UNIVERSITY OF COPENHAGEN

APPENDICES

University of Copenhagen
Faculty of Health and Medicine
School of Veterinary Medicine and Animal Science

COPENHAGEN, DENMARK

30 March – 3 April 2020

Accreditation site visit by EAEVE/ESEVT

EAEVE
European Association of Establishments for Veterinary Education

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Appendix 1.1 List of the councils/boards/committees

Councils, boards and committees at UCPH

Across the University, staff collaborate within and across the organisational units in order to resolve academic, research, educational and administrative issues. Below is an overview of the most common councils, boards and committees.

Rectoral committees

The Rector may appoint committees to advise the Rector and Prorectors within various areas central to the entire University. The composition of such committees varies. These are the current councils and committees:

- The University of Copenhagen Research and Innovation Council (KUFIR)
- The University of Copenhagen Academic Board on Education Strategy (KUUR)
- The University of Copenhagen Strategic Communication Council (KUSK)
- The Practice Committee

Collaboration committees

The collaboration committees contribute to promoting collaboration between management and staff and are therefore composed of representatives from both sides. The collaboration committees discuss and lay down guidelines on work and staff-related issues, change projects, new technology, supplementary training activities and the financial situation.

- See list of collaboration committees.

Academic councils

Each faculty has an academic council that consists of representatives of academic staff and students. The academic councils work with research, education and knowledge sharing. They also set up academic committees to assess applicants for academic posts, confer PhDs and doctorates and comment on academic matters that have significance for the faculty's activities.

- See list of academic councils.

Study boards

Study boards are composed of an equal number of representatives of academic staff and students and are responsible for organising the University’s study programmes. Among other things, this involves assuring and enhancing the quality of teaching, drawing up proposals for curricula, organising exams and processing applications for credit transfer and exemptions.

- See list of study boards.

Senate

The Senate is an advisory body where staff and student representatives appointed by the academic councils meet with the management to discuss topics and themes which are of significance to the University's core services and to advise the Rector.

The Senate can discuss the University's development and challenges as an academic institution just as the Senate is an open forum where the management can take in wishes, ideas and criticism from the entire University. In addition, the Senate discusses the University's budget, target plan and development contract once a year. The Senate may also be involved in important consultation processes.

Senate meetings take place two to four times a year, and are open for the entire university body.

- The Senate on KUnet (intranet)

Board of Representatives

The Board of Representatives acts as the Rector's strategic sounding board by inspiring and strengthening the university's work through identification and acknowledgement of (topical) issues. The representatives, who are appointed by the faculties' advisory boards, contribute to UCPH's strategy work through their own experiences and ideas.

Beyond acting as the Rector's strategic sounding board, the Board of Representatives is also in charge of appointing six members from the corporate sector and governmental authorities as well as from other research and educational institutions etc. for an appointment committee, which appoints external members to the Board at UCPH.

The Board of Representatives holds three annual meetings.

- Board of Representatives

Councils, Boards and Committees at the Faculty of Health and Medical Sciences - SUND

At The Faculty of Health and Medical Sciences there are established a series of councils, boards and committees, which help ensure that we conduct the best possible research, offer the best possible study programmes, and constitute the best possible workplace for the faculty staff.

These faculty-level councils, boards and committees advise the Dean's Office and the Faculty Management. In addition, advisory committees are found at department level and at Faculty Services.

Councils and Committees:

The Academic Council
The Faculty Collaboration Committee
Faculty Occupational Health and Safety Committee
Educational Councils

Boards and Other Fora:

Study Boards
Student Forum (in Danish)

Study Board for Veterinary Medicine and Animal Science

The Study Boards are responsible for ensuring the organisation, completion and development of study programmes and teaching. The Study Board for Veterinary Medicine and Animal Science home page - in Danish language only – outlines the tasks, responsibilities, members of the Board.

Rules of procedure for the Study Board for Veterinary Medicine and Animal Science
Members
Heads of studies
Minutes of meeting
Meeting dates

Appendix 1.2 - A non-exhaustive list providing an overview of main collaborative partners

Name of institution	**Type of collaboration**	**National**	**International**
Statens Seruminstitut	PhD-supervision	x	
Danish Technical University	PhD-supervision	x	
Aarhus University	Master thesis project work PhD-supervision	x	
Aalborg Slagteri	Rectal palpation, cows	x	
School of Veterinary Medicine, University of Utrecht	Student exchange, master level Exchange of teachers		x
Slagteriskolen	Meat inspection training	x	
University of Sydney	Student exchange, master level		x
University of Melbourne	Student exchange, master level		x
University of Gent	Student exchange, master level		x
University of Helsinki	Student exchange, master level		x
Norwegian University of Life Sciences (NMBU)	PhD-supervision, Student exchange, master level		x
Swedish University of Agricultural Sciences (SLU)	PhD-supervision, Student exchange, master level		x
University of Veterinary Medicine Hannover	Student exchange, master level		x
Justus-Liebig-University Giessen	Student exchange, master level		x
University of Veterinary Medicine Vienna	Student exchange, master level		x
Estonian University of Life Sciences	Student exchange, master level		x

Appendix 1.3 Summary of the Establishment strategic plan with an updated SWOT analysis

Vision and Mission for the Vetschool

Vision*: Health and welfare for animals and human beings in a changing world.*

Mission*: To deliver research and research based teaching necessary for education in veterinary medicine and animal science including research and research-based teaching on the challenges emanating from interaction between animals and human beings.Our research contributes to the solution of actual societal tasks and to anchor an evidence based growth of our society.*

The Vet. School **vision** is further detailed into:

- Research, teaching and clinical activities is world class
- The Veterinary School adds significantly to the ranking of University of Copenhagen by being high ranked within veterinary medicine

The Vet. School **mission** is further detailed into:

- Veterinary teaching hospitals supporting clinical research and teaching at the highest international level
- Performing high quality veterinary research to the benefit of single animals, animal populations and human beings
- To develop and customise diagnostic procedures, treatment and care to enhance single animals health and welfare
- Based on our high professional level to train and educate future veterinarians to a professional and balanced work life
- To communicate our knowledge on a high level to the society

The School of Veterinary Medicine and Animal Science and the two veterinary departments' strategy closely follows the general Faculty of Health and Medical Sciences and University of Copenhagen strategies 2019 – 2023 which are approved by the UCPH management and board.

The overall University of Copenhagen strategy is subdivided into 4 main pillars

1. Attracting, developing and retaining academic talent

2. Education with closer ties to research and practice

3. Collaboration and societal commitment – nationally and globally

4. One unified and focused university

SWOT, School of Veterinary Medicine, University of Copenhagen, 2019

Internal strenghts	Internal weaknesses
Highly qualified applicants for the DVM programme Strongly engaged Faculty, staff and students Strong job opportunities for veterinary graduates Strong research both within classical and emerging veterinary disciplines Currently (2019) ranked as no. 15 on the Times Higher QS-ranking and no. 3 on the Shanghai List Strong research benefits from being located in the center of the largest concentration of pharmaceutical industries in northern Europe Attracts a high proportion of competitive national and international research grants From 2020 we have a significant annual budget for research and scientific advice to the Danish Veterinary and Food Administration Formalised and effective forum for communication and interaction with external stakeholders in the form of an employer panel and regular employer surveys	Reduced possibilities for maintaining necessary teaching infrastructure Partially intransparant and potentially insufficient long-term funding of the VTH-activities Structural barriers for international student mobility (mainly outgoing) Relatively few possibilities funding for veterinary clinical science projects reduces the possibilities for attracting PhD-students to the clinical area Lack of sufficient up-to-date experimental Animal Facilities
External opportunities	**External threats**
Strategic research and teaching cooperation with more, international veterinary establishments Increased intra- and inter Facultary cooperation Attract more talented staff internationally Further develop the area of post-graduate education incl residency-training, master programmes, CPD etc. Further increase cooperation with external stakeholders	Further reduced basic funding due to economic cutbacks Reduction of governmental funding for research Increased competition from corporate private practices Some old buildings with challenges related to in-door climate including toxic mould in the VTH at Frederiksberg.

Appendix 1.4 - Written assessment procedures for QA at UCPH

1 SEPTEMBER 2019

Policy for Quality Assurance of Study Programmes at the University of Copenhagen

Introduction

The University of Copenhagen aims to run research-based study programmes of the highest international calibre. This makes regular and systematic quality assurance crucial. Highly qualified lecturers develop and run the programmes and are at the key to quality assurance and the quality culture at UCPH. The active role played in evaluations by the students is also crucial, e.g. they sit on study boards and are part of the process of dialogue with the other stakeholders.

The strategic objectives for quality assurance are defined in the University's strategies and target plans.

Quality assurance of study programmes requires a clear and unambiguous managerial and organisational structure. As per the University statutes, the responsibility for the study programmes, including quality assurance, lies with the deans, heads of department, study boards and heads of studies. The responsibility for follow-up on the Deans' annual reports on quality of education lies with the Rector. The Director for Education oversees the quality assurance work done by the faculties. This includes how they implement the University-wide policy.

Quality assurance is co-ordinated by management forums at University level – the Study Administration Co-ordination Committee[1] (SAK), the Academic Board on Education Strategy[2] (KUUR), the Executive Management[3] (DIR) and the University of Copenhagen's Management Team[4] (LT). Strategic educational initiatives, e.g. education portfolios, are approved by the University Board, following discussions in KUUR, the Executive Management and the Management Team.

These forums also develop University policies and guidelines for quality assurance, while the Rector approve, monitor and follow up on them. The quality assurance work is implemented at the faculties by programme managers, study boards and administrators and through lecturers' specific programme activities in dialogue with students.

The University statutes stipulate that responsibility for the study programmes lies with the six faculties. They are responsible for drawing up faculty quality-assurance policies, procedures and documentation that comply with University policies and guidelines. In other words, quality assurance is subject to a combination of University and faculty guidelines.

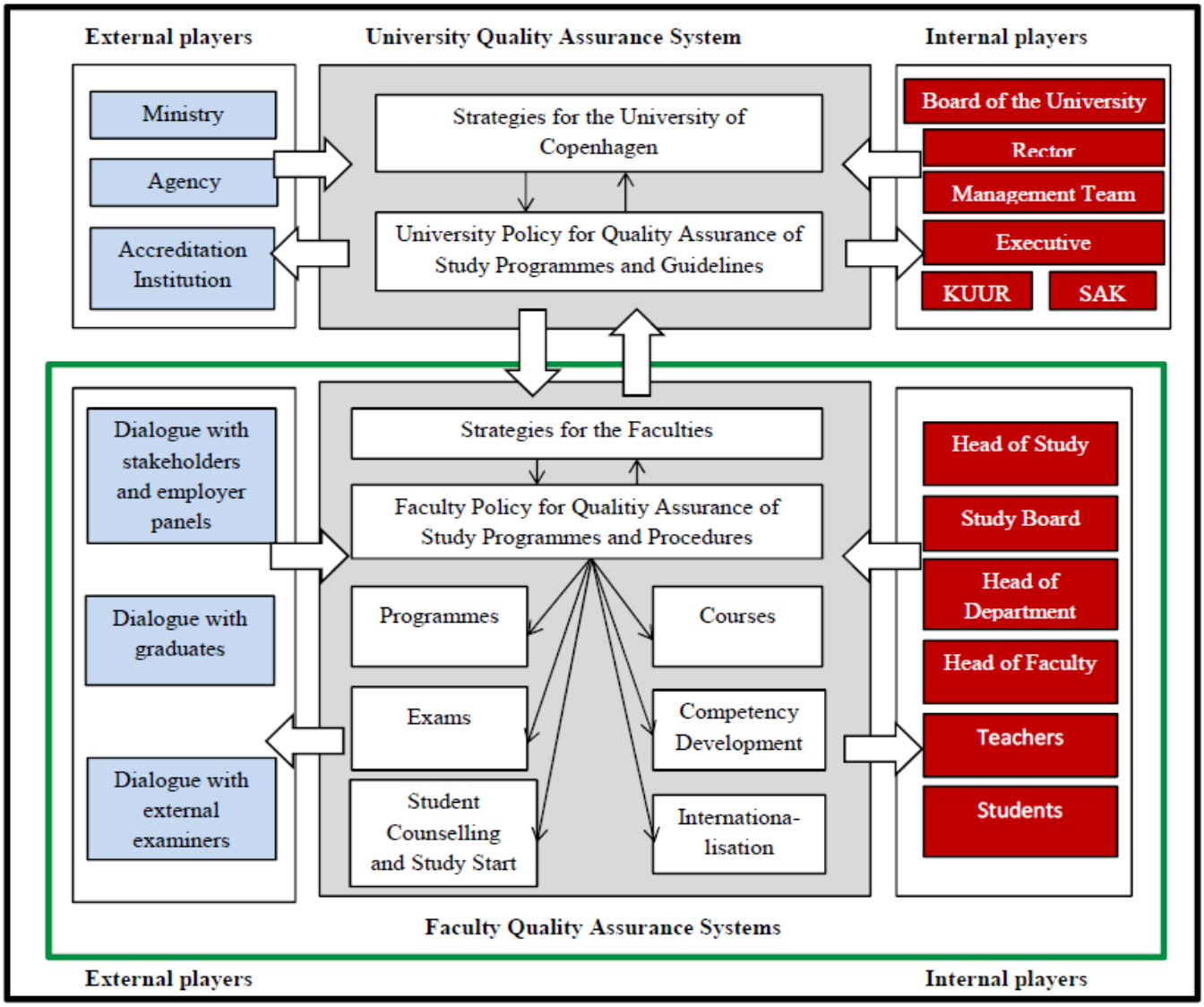
[1] SAK (the Study Administration Coordination Committee) consists of the faculties' directors of studies and the deputy director of the programme. SAK discusses and implements initiatives within the study-administrative area.

[2] KUUR (Academic Board on Education Strategy) consists of the faculties' associate deans for education, the prorector for education and student representatives. KUUR advises LT and DIR on education strategy issues.

[3] DIR (executive management) consists of the Rector's Office and the university director.

[4] LT (management team) consists of the faculties' deans and the Executive Management.

Figure 1. Quality Assurance System at the University of Copenhagen



The bold, black frame denotes the framework for the overall system. The diagram shows how internal and external stakeholders interact to set quality-assurance policy and educational strategies.

The bold, green frame denotes the framework for the faculty systems, including interaction between internal and external stakeholders. The faculty systems involve a number of procedures based on six themes. These procedures comply with the requirements of the "European standards and guidelines for internal quality assurance within higher education institutions".

The arrows between the faculty and University frameworks indicate where the University sets the parameters for the faculties and also where the faculties provide feedback on their work. The feedback helps improve policies and strategies.

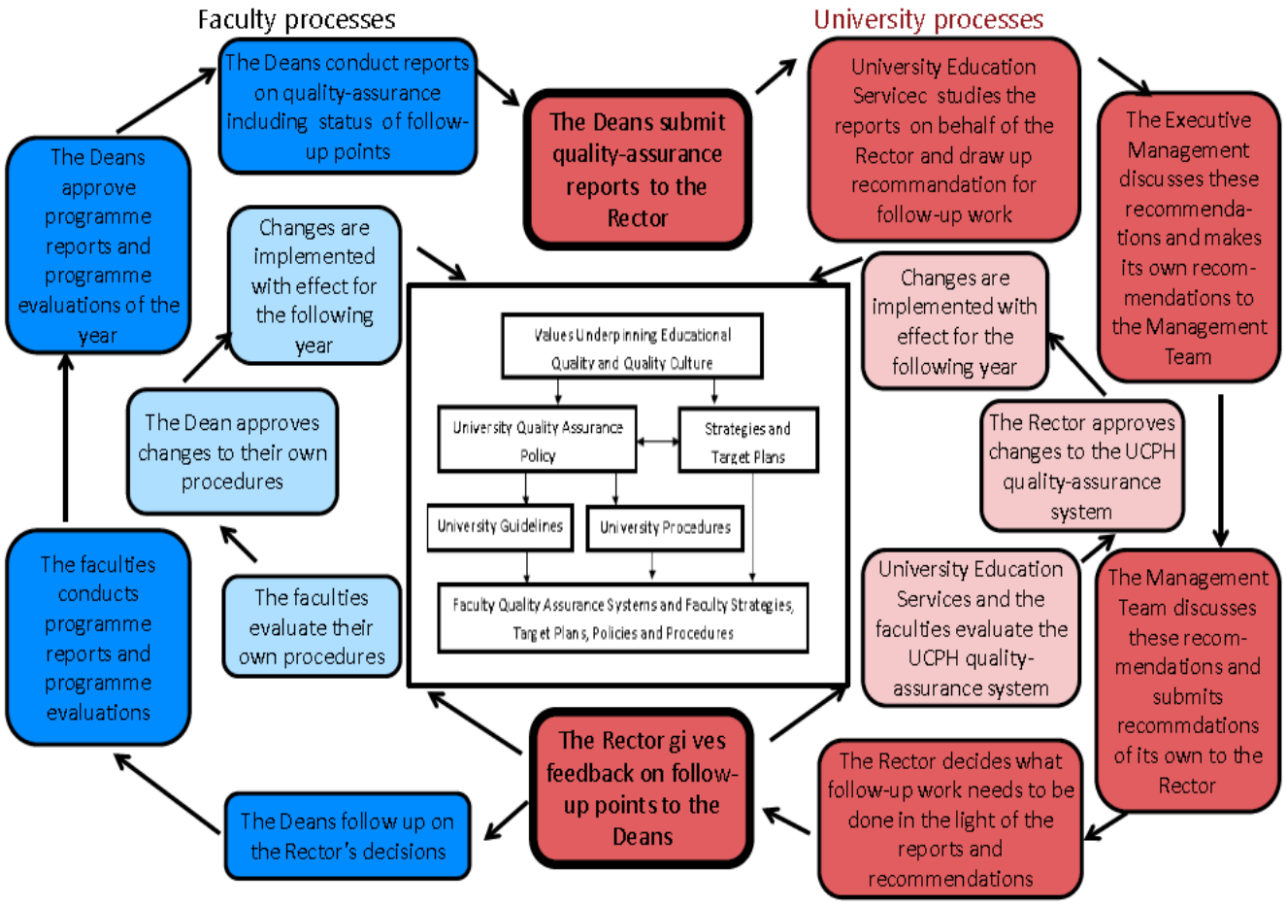
Reporting to University management

The faculties submit annual quality-assurance reports to the Rector. How the Rector deals with them is described in "University Procedure for Approval of and Follow-up on the Deans' Reports on Quality of Education". The faculty reports consist of the results of programme reports and/or programme evaluations and an analysis of other qualitative and quantitative material. The requirements for these reports are set out in "Guidelines for the Deans' Reports to the Rector Concerning Quality of Education".

Evaluation and development of UCPH's quality assurance system

As part of the follow-up on the Deans' annual reports on quality of education, University Education Services conducts regular evaluations of the UCPH quality assurance system on behalf of the Director for Education. These evaluations are designed to ensure that the quality assurance system complies with the requirements placed on it by both the University and external stakeholders and to develop best practice in all of the faculties. The faculties are involved in the evaluations, which are the responsibility of SAK–QA[5].

Figur 2. Evaluation of the quality-assurance system



[5] SAK–QA, a permanent sub-committee of UCPH's Study Administration Co-ordination Committee (SAK), which consists of a representative from University Education Services and one from each faculty.

The quality-assurance policy
The University's quality assurance policy complies with the requirements of the "European Standards and Guidelines for Quality Assurance in the European Higher Education Area" (ESG) and is divided into the same sections:

Section 1 **outlines the areas covered.**

Sections 2, 3, 4 and 5 **describe individual procedures and requirements.** UCPH has a range of overall procedures supplemented by faculty procedures. A list is also provided of information and guidelines to be published by the faculties and of the supplementary descriptions to be incorporated into the faculty policies.

Section 6 deals with documentation and monitoring, **section 7** with the publishing of information about the study programmes.

This policy comes into force on 1 September 2014.

The quality assurance policy has been revised with effect from 1 September 2016, 2017, 2018, and 2019.

ESG 1.1 – Policy and procedures for quality assurance

"Institutions should have a policy and associated procedures for the assurance of the quality and standards of their programmes and awards. They should also commit themselves explicitly to the development of a culture which recognises the importance of quality, and quality assurance, in their work. To achieve this, institutions should develop and implement a strategy for the continuous enhancement of quality. The strategy, policy and procedures should have a formal status and be publicly available. They should also include a role for students and other stakeholders." [6]

The University of Copenhagen:

The quality-assurance policy covers every higher education programme at the University[7], no matter where and how it is run. It stipulates that the faculties are responsible for:

1.2 Approval, monitoring and periodic review of programmes and awards

1.3 Assessment of students

1.4 Quality assurance of the lecturers

1.5 Learning resources and student support

1.6 Information systems

1.7 Public information

Requirements placed by the University on the faculties' quality-assurance systems:

a. **Key indicators of educational quality**
   Systematic collation of documentation and follow-up in each individual area. Faculty systems must stipulate clearly which parameters are used. The faculties monitor and follow up on a number of parameters used as key indicators of educational quality stipulated by the University (see ESG 1.6a).

b. **Organisation and responsibilities**

[6] The Danish translation of ESG is from the University and Property Agency's 2010 publication "Universiteternes kvalitetsarbejde".
[7] Bachelor's, master's, master's for working professionals, continuing education master's, professional bachelor, postgraduate diploma and adult higher education (academy) programmes.

Each faculty draws up a comprehensive description of the organisational and managerial responsibility for the quality assurance of its study programmes, including how students are involved. The description of the organisation includes a brief introduction to the main councils, boards, committees and management functions involved in quality assurance. It also clearly indicates who has overall responsibility and who are the main figures involved in the key procedures in the faculty.

c. Requirements to the faculty procedures

The faculty procedures must stipulate the frequency of each activity, who is responsible for implementation and follow-up, and whether any other parties are involved. These items must also be stipulated in cases where the University has decreed minimum frequency requirements or specific requirements about who is responsible for the process or its place in the management structure.

d. Implementation of quality assurance at faculty level

The faculties publish details about how they implement the quality assurance policy on their websites under "About the Faculty".

ESG 1.2 Approval, monitoring and periodic review of programmes and awards

"Institutions should have formal mechanisms for the approval, periodic review and monitoring of their programmes and awards."

The University of Copenhagen:

"Guidelines for Course Evaluations and the Publication of Course Evaluation Reports" prescribes the frequency of evaluations and sets out the requirements for evaluation plans, evaluation procedures and the publication of course evaluation reports.

"Guidelines for Annual Programme Reports at the University of Copenhagen" sets out the requirements for the content and scope of the faculties' programme reports.

"Guidelines for Programme Evaluations at the University of Copenhagen" sets out the requirements for the content and scope of the faculties' programme evaluations. The programme evaluations include more quantitative and qualitative data than the programme reports. This means that in a programme evaluation it is possible to perform deeper analyses of causal relationships for the programme than is the case with a programme report.

"Guidelines for Selection and Involvement of External Experts in Programme Evaluations at the University of Copenhagen" makes minimum requirements of the number and team of external experts and their role in the programme evaluations.

"Procedure for Graduate Surveys at the University of Copenhagen" sets out the requirements for the content and scope of graduate surveys and outlines the division of responsibilities between the University and the faculties. The procedure stipulates that the University conducts a graduate survey every three years. The University has decided that the graduate surveys by turn will form part of the programme evaluations (see ESG 1.2d) and part of the programme reports (see ESG 1.2c).

The University has joint "Guidelines for the Deans' Reports to the Rector Concerning Quality of Education", which set out requirements for how often the individual elements must be included in reporting, and for

which elements the faculties must set measurable standards. The University requires the faculties to use the same template.

"UCPH principles for calculating the ratios of full-time/part-time academic staff and student FTEs/full-time academic staff" lays down the requirements placed on the faculties for calculating both ratios. The faculties must provide a description of the method used to acquire data on the deployment of full-time and part-time academic staff at study-programme level. The method must comply with the UCPH principles, see Appendix 1 at the back of this document.

"University Procedure for Approval of and Follow-up on the Deans' Reports on Quality on Education" describes the process by which the University approves the Faculty Reports Concerning Quality Assurance and the Rector provides feedback to the Faculties.

The "Annual Cycle for Applying for Approval of New Study Programmes" details the University's internal deadlines for approving proposals for new study programmes and relates them to the Ministry's deadlines for applying for prequalification. The annual cycle is updated once a year.

"University Procedure for Approving New Study Programmes" describes the process by which the University approves proposals by the faculties for new study programmes. It contains a checklist for the faculties so that proposals are carefully prepared and meet the requirements for prequalification. Approval by the University is preceded by the faculties' own internal procedures (see ESG 1.2e).

"Guidelines for the Closure and Merger of Study Programmes" describes the elements that the faculties must incorporate into their considerations regarding the closure or merger of existing study programmes, as well as which stakeholders to involve.

"Procedure for the Rector's Approval of the Closure and Merger of Study Programmes" describes the process by which the University approves proposals by the faculties for closing and merging study programmes.

The University supports the quality of internationalisation work on its study programmes by monitoring bilateral exchange agreements, (see "Procedure and Checklist for Entering into and Ending Erasmus Agreements"), including the balance of mobility.

University Education Services provides assistance to the faculties on all matters relating to study programmes, including the regulatory and legal framework.

University requirements for faculty quality assurance systems:

a. **Quality assurance of curricula and course descriptions, including competence profiles, descriptions of objectives and assessment criteria.**
   The faculties have procedures for the quality assurance of curricula and course descriptions, including co-ordinating the terms used with the relevant descriptions in the Qualifications Framework. The procedures also cover competence profiles, descriptions of objectives for study activities and assessment criteria (see the curriculum). The competence profiles comply with the requirements for learning levels set out in the qualifications framework. The competence profile, descriptions of objectives and assessment criteria must relate to knowledge, skills and competences. The descriptions contained in the curriculum – of programme content, structure, objectives, assessment criteria – are there to help students achieve the competence profile. The procedure is designed to ensure that changes to the competence profile in the curriculum are recorded on the examination certificate, so that there is consistency between the competence profile in the

curriculum and the examination certificate. The forms of exams also reflect the competence profile. Curricula and course descriptions are monitored and reviewed at least every three years.

b. Procedures for course evaluations, including projects, internships, field studies and outsourced courses

The faculties have procedures that comply with the University's "Guidelines for Course Evaluations and the Publication of Course Evaluation Reports". The Dean is responsible for publishing course evaluation reports.

c. Procedure for annual programme reports

The faculties have procedures for programme reports that comply with "Guidelines for Programme Reports at the University of Copenhagen". These annual reports are submitted to the Dean. They are then submitted to the Rector as part of the Deans' annual report on quality assurance (see Guidelines for the Deans' Reports to the Rector Concerning Quality of Education").

d. Procedure for programme evaluations

The faculties have procedures for programme evaluations that comply with the University's "Guidelines for Programme Evaluations at the University of Copenhagen". External experts are involved in writing the programme evaluations. The definition of external participation is stipulated in the guidelines. The study programmes are evaluated at least once every six years and reports submitted to the Dean. They are then submitted to the Rector as part of the Deans' annual report on quality assurance (see "Guidelines for the Deans' Reports to the Rector Concerning Quality of Education").

e. Procedure for developing new programmes

The faculties have procedures for developing new study programmes, including how employers and other stakeholders are involved in the process and the role played by the management in the decision-making process. Each faculty sets quantifiable standards for quality, i.e. the requirements that the programme must meet before the faculty approves the proposal. For each proposed programme, the faculty draws up a competence matrix and a research matrix.

f. Procedure for closing and merging programmes

The faculties have procedures for closing and merging study programmes that comply with "Guidelines for the Closure and Merger of Study Programmes". Deliberations concerning the closure and merger of programmes are included in the annual programme report (see. ESG 1.2c). The faculties define the criteria for when consideration should be given to closing programmes.

g. Procedure for dialogue with graduates

The faculties have procedures for regular and systematic dialogue with graduates. The procedure describes the purpose of the dialogue, who is responsible for incorporating the findings into quality-assurance work and who else is involved. "Procedure for Graduate Surveys at the University of Copenhagen" stipulates how often the University conducts graduate surveys, i.e. collates and disseminates answers from respondents. The faculty procedures describe how the findings will be applied in the quality-assurance work.

h. Procedure for dialogue with employer panels

The faculties have procedures for regular and systematic dialogue with employer panels. This purpose of the dialogue is to assure and enhance the quality and relevance of the programmes. The

Dean is responsible for ensuring that all study programmes engage in regular dialogue with employer panels. These findings are included in programme reports and evaluations.

i. **Procedure for involving the chairs of external examiners**
The faculties have procedures for involving the chairs of the corps of external examiners, e.g. following up on the annual chair of external examiners reports. These reports are included in at least the programme reports and programme evaluations.

j. **Erasmus agreements and exchange balance**
The faculties have procedures for Erasmus agreements that comply with the University's "Procedure and Checklist for Entering into and Ending Erasmus Agreements", including monitoring the balance between incoming and outgoing students[8]. This also applies to the balance in other exchange agreements to which the faculties are party. A separate annual report on balance is submitted to the Rector.

k. **Procedure for following up on the Rector's feedback on the quality of education**
All faculties must have a procedure in place for following up on the Rector's feedback to the deans on their reports about the quality of education. The description of this procedure must include who is involved in it, how they are involved and who is responsible for the follow-up.

ESG 1.3 Assessment of students

"Students should be assessed using published criteria, regulations and procedures which are applied consistently."

The University of Copenhagen:

Student assessments must comply with national regulations. Curricula and faculty exam rules and procedures are drawn up in accordance with the relevant ministerial orders. University rules concerning students and programmes are published on the website and Intranet, (e.g. disciplinary measures, exam conditions for students with disabilities, etc.).

University requirements for the content of faculty systems:

a. **Curricula and exam rules**
The faculties are responsible for publishing curricula. The faculties' exam rules and procedures are published on their own intranet/websites so that students are aware of their rights and obligations. The University requires that students familiarise themselves with the rules.

b. **Rules regarding cheating and plagiarism**
The faculties are responsible for informing students about the University's rules regarding exam cheating and plagiarism.

c. **Procedure for exam complaints and appeals**
The faculties have procedures for complaints and appeals that are available to students and lecturers.

ESG 1.4 Quality assurance of teaching staff

[8] Balance is defined as the value of credits for FTEs transferred from UCPH students studying abroad (FTE exports) at least equalling the value of credits earned by international students at the University of Copenhagen (FTE imports).

“Institutions should have ways of satisfying themselves that staff involved with the teaching of students are qualified and competent to do so. They should be available to those undertaking external reviews, and commented upon in reports.”

The University of Copenhagen:

The University wants to provide the best-possible framework for teaching, including robust support systems and learning resources. Systematic evaluation is the main method of quality assurance in teaching (see the University’s “Guidelines for Course Evaluations and the Publication of Course Evaluation Reports”).

Another method is to employ lecturers with research skills who are capable of integrating their research knowledge into their teaching (“Values underpinning the Quality of Education and Quality Culture at the University of Copenhagen”).

The University seeks to enhance the quality of its teaching by offering skills-enhancement courses for all lectures who need it. Performance and development reviews for lecturers cover their teaching, and negotiations on pay and conditions focus on their teaching qualifications.

”Policy Guidelines for Deploying and Developing the Skills of full- and part-time Academic Staff” sets out the requirements for the content of the faculties’ policy for deploying and developing the skills of full- and part-time academic staff.

The University has also issued guidelines to enhance the pedagogic skills of lecturers and supervisors:

1. “Common Guidelines for the Teaching and Learning in Higher Education Programme”
2. “Common Guidelines for Teaching Portfolios when Appointing Academic Staff at the University of Copenhagen” supported by ”UCPH Pedagogic Competence Profile”.
3. ”Teaching Portfolio for Ongoing Reflection on own Teaching” is supported by the “UCPH Pedagogic Competence Profile”.

The Centre for Internationalisation and Parallel Language Use (CIP) is responsible for the quality assurance of English-language teaching and runs skills-enhancement programmes.

University requirements for faculty quality assurance systems:

a. Advertising academic posts
The faculties are responsible for publishing requirements for advertising academic posts that comply with national regulations and with the University of Copenhagen’s human resources rules, including “Common Guidelines for Teaching Portfolios when Appointing Academic Staff at the University of Copenhagen”. UCPH requires students to be included in appointment committees when permanent academic staff appointments are made.

b. Implementation of pedagogic guidelines
The faculties describe how they intend to implement the University’s pedagogic guidelines, including quality assurance of the “University guidelines for the “Teaching and Learning in Higher Education Programme”.

c. Deploying and Developing the Skills of full- and part-time Academic Staff
Faculties have policies for Deploying and Developing the Skills of full- and part-time Academic Staff in accordance with ”Policy Guidelines for Deploying and Developing the Skills of full- and part-time Academic Staff”. The policy should, among other things, describe what is done by

permanent academic staff and part-time academic staff respectively, and how part-time staff are integrated into the academic environment and contribute to the development of the individual study programmes. The policy must also describe the options both full-time and part-time academic staff have for pedagogic skills development (see ESG 1.4d and e).

d. Pedagogic skills enhancement for full-time, new and part-time teaching staff
The faculties have procedures for pedagogic skills enhancement for full-time academic staff, for following up on course evaluations and for setting quality targets. The faculties have procedures for introducing new teachers and part-time staff to their duties and setting quality targets. A report on pedagogic skills enhancement for full-time, new teachers and part-time academic staff is submitted to the Rector at least every three years (see "Guidelines for the Deans' Reports to the Rector Concerning Quality of Education").

e. Research-based study programmes
The University has a definition of research-based study programmes in "Values Underpinning the Quality of Education and the Quality Culture at the University of Copenhagen" The faculties assess the research base of the study programmes annually based on the research matrix and full-time/part-time academic staff ratios, FTEs. The faculties set their own criteria for its quality, as a minimum for full-time/part-time academic staff ratios, FTEs. Research-based study programmes is included in programme reports, programme evaluations and in the faculty reports on quality assurance to the Rector (see "Guidelines for the Deans' Reports to the Rector Concerning Quality of Education").

ESG 1.5 – Learning resources and student support

"Institutions should ensure that the resources available for the support of student learning are adequate and appropriate for each programme offered."

The University of Copenhagen:

The University conducts every third year a student evaluation of the teaching environment. The faculties draw up action plans based on the results of the teaching environment evaluations. The status of the follow-up work on the action plans for the teaching environment evaluations is included in the deans' annual report on the quality of education, (see "Guidelines for the Deans' Reports to the Rector Concerning Quality of Education"). All refurbishment and building projects are subjected to a study-environment screening process.

"Guidelines for Quality Assurance of Student Counselling and Career Guidance" sets out the content and scope of the faculties' quality assurance of their student-counselling and career-guidance services.

As part of its internationalisation process, the University provides advice to academic staff from other countries about residency and employment in Denmark to students planning a study trip abroad about what to expect.

University requirements for faculty quality assurance systems:

a. Procedure for study start

The faculties have a procedure for getting students off to the best-possible start to their studies. The procedure describes the minimum requirements for study-start activities, and who is responsible for them. It also complies with the University's "Guidelines for Introductory Activities". Reports on study start are submitted to the Rector at least once every third year as part of the annual faculty report on quality assurance (see "Guidelines for the Deans' Reports to the Rector Concerning Quality of Education").

b. Procedure for student counselling and career guidance

The faculties have procedures for student counselling and career guidance that comply with "Guidelines for Quality Assurance of Student Counselling and Career Guidance". The procedures describe how quality is assured and define a series of quantitative and qualitative parameters. Each faculty describes its system for collating statistics, how knowledge and experience derived from the faculty's contacts with business and industry are passed on to career-guidance staff, and how knowledge and experience relating to students, study programmes and careers is relayed from student-counselling and career-guidance services to the study programmes.

Annual reports are submitted to the Dean. Reports are submitted to the Rector at least once every third year as part of the annual faculty report on quality assurance (see "Guidelines for Faculty Reports to the Rector Concerning Quality Assurance").

c. Support for learning, student life and physical frameworks

The faculties have procedures that describe how they provide support for learning, student life and the physical frameworks and how they assure the quality of these services.

d. Influence on the study environment and learning resources

The faculties have procedures that describe student involvement in enhancing the study environment and learning resources.

e. Students' contact with researchers

The faculties have procedures that describe how students are guaranteed interaction with the relevant research environments and set parameters for quantification, e.g. student/full-time academic staff ratios. FTEs. Reports on student interaction with research is included in programme reports, programme evaluations and in the faculty reports on quality assurance to the Rector (see "Guidelines for Faculty Reports to the Rector Concerning Quality Assurance").

f. Internationalisation

The faculties have procedures for encouraging student participation in an international study environment, e.g. via the presence of, and interaction with, lecturers and students from other countries. The international nature of the study environment is also supported by making information available in English, e.g. teaching material, advice and administrative services. The University publishes information and guidelines aimed at making it easy and attractive for Danish students to go on study trips abroad. The faculty sets and monitors targets for information about study trips abroad.

Annual reports are submitted to the Dean.

ESG 1.6 – Information systems

"Institutions should ensure that they collect, analyse and use relevant information for the effective management of their programmes of study and other activities."

The University of Copenhagen:

The faculties and University Education Services produce statistics on the study programmes for use by management and for monitoring purposes. Programme managers in the faculties and University management forums such as the Study Administration Co-ordination Committee (SAK) and the Academic Board on Education Strategy (KUUR) follow up on these statistics. The statistics generated by monitoring the study programmes also provide a basis for student counselling work, and inform University Education Services' casework and educational development strategy.

Regular statistics are produced for intake, student numbers, completion times, drop-out rates, number of degrees conferred, FTEs and students who are behind in their studies. This data facilitates counselling sessions when necessary.

University Education Services reports relevant information to official agencies and, when required, publishes it on the University website.

University Education Services also compiles official statistics and management information, which is validated by the faculties. The faculties can submit data requests to University Education Services, e.g. graduate analyses, drop-out rates, etc.

University requirements for faculty quality assurance systems:

a. Monitoring of management information

The faculties have procedures for how programmes are monitored, which areas are monitored and how the programme managers make use of this information. The description specifies who is responsible for the monitoring and the follow-up work, and determines when action is required to rectify problematic trends. The following is included in the faculties' programme evaluations and in the Deans' reporting of quality of education to the Rector.

The faculties monitor at least the following:

A. Intake*
B. Student numbers*
C. Drop-out rate(s)*
D. Degrees conferred*
E. Study progression*
F. Completion times*
G. Pass rates for study activities
H. Employment/unemployment*
I. Teaching hours on bachelor's programmes*
J. Teaching hours on master's programmes*
K. Outgoing exchange programmes*
L. The number of international students on master's programmes*
M. Educational environment assessment*

N. Full-time/part-time academic staff ratio (FTEs)
O. Student/full-time academic staff ratio (FTEs)
P. Study start
Q. Student counselling and career guidance
R. Dialogue with graduates
S. Pedagogic skills enhancement for full-time, new and part-time academic staff
T. Support for the study programmes' competence profil Understøttelse af uddannelsernes kompetenceprofil (competence matrix)
U. Research-based study programmes (research matrix)
V. Research quality (reporting on current research evaluations)

Data is assessed at programme level, except P, Q and S, which can be assessed at faculty level.

A, B, C, D, E, F and H are assessed separately for master's degree programmes for working professionals and ordinary master's degree programmes. The other programme-specific data is assessed jointly for master's degree programmes for working professionals and ordinary master's degree programmes.

Programme-specific data for professional master's, diploma and academy programmes only covers A, B, C, G, N, O, P, T and U if P is not assessed at faculty level.

*University Education Services collates and publishes data on the intranet every year on 1 December. Graduate surveys are not, however, available until the end of December.

b. Quantifiable quality standards

The faculties must define ambitious standards for several parameters, which are monitored by the faculties in programme reports, programme evaluations, faculty reports concerning quality assurance, study counselling and career guidance and developing new programmes. On 1 October, the deans submit their faculties' quantifiable standards for the next report period as part of the follow-up on the annual reporting on the quality of study programmes. The Rector must approve these standards by 1 December. The standards are published on the faculty websites.

The faculties must define standard for the following parameters:

A. Drop-out rate(s)
B. Study progression
C. Unemployment, master's and professional bachelor's programmes
D. Teaching hours on bachelor's programmes
E. Teaching hours on master's programmes
F. Full-time/part-time academic staff ratio (FTEs)/Research-based study programmes
G. Student/full-time academic staff ratio (FTEs)/Student's contact with researchers
H. Study start
I. Student counselling and career guidance:
    i. level of competence and education of counsellors
    ii. action plan for student counselling
    iii. evaluation of counselling services
    iv. registering referrals

v. SLA (Service Level Agreement)
vi. Student/counsellor ratio

J. Pedagogic skills enhancement for full-time, new and part-time academic staff
K. Developing new programmes

Measurable standards are as a minimum set at programme level, except H, I and K, which can be set at faculty level.

Separate measurable standards are set for A and B in the master's degree programmes for working professionals. Measurable standards for the other parameters at programme level are set jointly for master's degree programmes for working professionals and ordinary master's degree programmes.

Measurable standards for professional master's, diploma and academy programmes only cover F, G and H if H is not set at faculty level.

ESG 1.7- Public information

"Institutions should regularly publish up to date, impartial and objective information, both quantitative and qualitative, about the programmes and awards they are offering."

The University publishes information about its study programmes in accordance with the requirements of the Act on Transparency and Openness. The information is published on the University and faculty websites. The faculties publish information about quality as per the University guidelines listed above. These guidelines and the faculty procedures constitute the quality-assurance system at the University of Copenhagen.

Appendix 2.1 List of the ongoing and planned major investments for developing, improving and/or refurbishing facilities and equipment, and origin of the funding

10-years investment plan

Type of investment	Budget (mio.DKK)	Possible related costs
IVH		
New rodent stables – being discussed wit SUND		
No actual plans for larger investments (more than 1 mio., DKK)		
IKV		
CT Scanner Frederiksberg	5.000.000,00	2.000.000,00
Ultralydsscanner Frederiksberg		
Hjertescanner Frederiksberg		
CT/MRI samt bygning Taastrup	80.000.000,00	15.000.000,00
Isolationsstald Taastrup	15.000.000,00	2.000.000,00
Digital Røntgen - Taastrup	2.000.000,00	2.000.000,00
Operationslamper	5.000.000,00	1.000.000,00
Operationslamper	5.000.000,00	1.000.000,00
Klinisk Patologi/undervisningsudstyr	5.000.000,00	1.000.000,00
Truks	500.000,00	50.000,00
Høvogne/ergonomisk udstyr	1.000.000,00	100.000,00

Appendix 3.1. BSc and MSc Curricula Overviews

Veterinary BSc curriculum overview

(Excerpts from 2009 BSc-curriculum description; in Danish)

§ 1 § 1 Aim

(See SER Standard 3.1 for English translation)

§ 2 Competence profile

During the bachelor program, the student must at least obtain the following knowledge, skills and attitudes / abilities[9] in the veterinary fields of education, ie after having completed the training courses required for admission to the Master's program in veterinary medicine.

Knowledge

- Summarize basic laws, theories, methods, principles, structures and / or mechanisms in the field of education.
- Have an overview of different societal views on animals and perceptions of disease and health in veterinary contexts, including explaining and reflecting on ethics and animal welfare issues
- Describe and understand the normal anatomical structures and physiological functions of domestic animals at both cellular and whole animal levels
- Explain optimal use of drugs for animals with the least possible side effects for animals, people and the environment
- Describe the principles of risk assessment and tracking infectious microorganisms and toxic substances.
- Explain and classify general clinical and pathological findings, lesions and parameters, including describing the overall etiology, pathogenesis and pathology of the most common disease conditions in domestic mammals, poultry and fish in Denmark.
- Explain the role of epizootic and zoonotic diseases and agents (including toxins) for diseases of animals and humans, including mechanisms of infection and poisoning.
- Describe the most important methods and principles for health management in cattle, pigs, fish, poultry, mink and experimental animals
- Describe relevant legislation and environmental and food safety aspects in relation to veterinary profession, livestock production and public health.
- Describe the roles and tasks of the veterinary profession, including the functions as "Herd Health Veterinarian" and "Official Veterinarian" (cf. Danish veterinary legislation and EU food law).

Skills

- Apply basic academic and professional principles, concepts and methods within the subject areas of the veterinary bachelor program
- Perform microscopy and dissection, and perform basic (bio) chemical, molecular biological, microbiological and parasitological analyzes.
- Handle small and large domestic animals in compliance with relevant safety regulations and according to current legislation, as well as assessing their general health.
- Handle medications including correct subcutaneous, intramuscular and intravenous administration of drugs for injection.

- Evaluate the significance of the presence of microorganisms and undesirable substances in food and feed in relation to food quality and animal and human health
- Evaluate breeding strategies and feeding plans
- Explain and reflect on the principles of systematic, problem-oriented approach to clinical disease manifestations.
- Perform basic diagnostic analyses of sample materials from animals and food as well as analyze and evaluate the results thereof
- Perform basic elements of a clinical examination of animals
- Seek relevant professional sources of information and reflect on this in a cientifical and critical manor.
- Formulate research questions, draw up and verify hypotheses and perform scientific analysis
- Communicate and collaborate on professional issues and solutions with both colleagues and laymen

Competencies (attitudes & abilities)[9]

- Identify and discuss veterinary issues
- Be aware of conditions of importance to the animal diseases and health, and be able to assess the importance of these matters in a veterinary context, including possible relevant legal issues.
- Participate in both academic and interdisciplinary collaboration, including discussing solutions and finding consensus
- Work independently and take responsibility for your own scientific and professional work practice.
- Participate in laboratory animal research under another person's experimental animal license and guidance, under the "Directive 2010/63 / EU of the European Parliament and of the Council of 22.09.10 on the protection of animals used for scientific purposes" and the "Ministerial Order on Animal Testing No. 12 from 07 January 2016, Chapter 14, § 57 (only applicable to undergraduate students admitted in 2011 and later, cf. section 13)"
- Acquire new knowledge and reflect on own learning, including identifying subject areas where continuing education is appropriate

§ 3 Module structure and teaching methods

The program is adapted to UCPH's block structure with four teaching blocks per year. It consists of one a range of veterinary courses, which are predominantly discipline-oriented and supported by a few natural science courses (see §5 and §7). The individual courses run over 9 or 18

teaching weeks (1 or 2 blocks, respectively) with examination primarily in the last course week. Together, the courses contribute towards fulfilment of the EAEVE's requirements for veterinary training in Europe. The academic progression of the courses is shown in § 5.

Teaching is predominantly conducted as a mixture of lectures for a whole year of students, practical and theoretical exercises in small groups and guided self-study modules including e-learning.

[9] In Danish: "Kompetencer", which in higher educational context is used as the 3rd level of learning categories after "Knowledge" and "Skills". It Danish it comprises both "Attitudes" and "Abilities", which both are used the term for the third level level of learning goal categories in English literature. At the Danish veterinary program, the term "Kompetencer" generally refers to the ability use of learned "Knowledge" and "Skills" within a professional veterinary work situation.

§ 5 The Bachelor's program in veterinary medicine contains the following courses and exams:

Year 1	**Block 1**	Veterinary Ethics and Philosophy of Science	Veterinary Zoology	Chemistry and Biochemistry for Veterinary Students
	Block 2	Cytology and Basic Histology		Veterinary Anatomy and Physiology part 1
	Block 3	Veterinary Genetics		Veterinary Anatomy and Physiology part 2
	Block 4	Veterinary Anatomy and Physiology - exam		

Year 2	**Block 1** **Block 2**	Immunology, General Pathology and Pathophysiology	Infection Microbiology
	Block 3	Veterinary Pharmacology and Toxicology	Basic Statistics and Epidemiology
	Block 4		Microbiel Food Safety

Year 3	**Block 1**	Special Pathology and Poultry Diseases - Theory	Small Animal Basic Clinical Theory	Animal Nutrition
	Block 2		Herd Health and Public Health	
	Block 3	Special Pathology and Poultry Diseases - Practicals	Large Animal Basic Clinical Theory	
			Applied ethology	Animal Breeding
	Block 4		Veterinary BSc project	Veterinary Jurisprudence and Laboratory Animal Science

Veterinary MSc curriculum overview

(Excerpts from 2009 MSc-curriculum description; in Danish)

§ 1 Aim

(See SER Standard 3.1 for English translation)

§ 3 Competence profile

The students gain as a minimum knowledge, skills and competences in the compulsory subjects and subject areas:

Knowledge

- Explain the cause, diagnosis, prevention and treatment of common medical and surgical disorders in domestic animals, as well as for malignant infectious diseases and zoonoses, including the relation between etiology and pathological lesions
- Describe animal welfare, diseases / health, breeding, disease prevention, disease control and quality assurance programs within the common animal production systems and relate this to consumer requirements and attitudes.
- Describe relevant diagnostic methods and surveys, prophylaxis and health programs, including advisory services in relation to clinical practice and One Health (veterinary public health, including food safety and hygiene).
- Describe common clinical pathological analyzes and their use in clinical work.

Skills

- Perform clinical examination and pregnancy diagnosis on common domestic mammals, including autopsy and assessment of diagnostic results
- Diagnose and treat diseased domestic animals, including common obstetric disorders and common infectious diseases in Europe, and implement preventive medical measures at both single animal and at herd levels.
- Apply clinical, pathological and paraclinical methods, principles, analyzes and concepts in diagnostics, treatment, monitoring and prevention of common medical, surgical, reproductive and obstetric disorders, including malignant infectious diseases and zoonoses, in domestic animals under normal Danish clinic and practice conditions.
- Perform basic meat and hygiene inspection and supervision, and identify conditions that pose a risk to food quality and safety.
- Advise animal owners and producers on animal welfare, health and economic importance of veterinary recommendations.

Competencies (attitudes & abilities)[10]

- Perform veterinary professional functions as a licensed veterinarian in accordance with current legislation.

[10] In Danish: ”Kompetencer”, which in higher educational context is used as the 3rd level of learning categories after “Knowledge” and “Skills”. It Danish it comprises both “Attitudes” and “Abilities”, which both are used the term for the third level level of learning goal categories in English literature. At the Danish veterinary program, the term “Kompetencer” generally refers to the ability use of learned “Knowledge” and “Skills” within a professional veterinary work situation.

- Manage complex and unpredictable situations in veterinary professional contexts, including collaborating with colleagues and other professionals to solve multidisciplinary and interdisciplinary veterinary matters.
- Reflect on and take responsibility for own professional development in a lifelong perspective, including attending appropriate continuing education.

In addition to the above competencies, the student obtains extended competencies related to the subject areas of the chosen tracking course:

Advanced companion animal practice (cf. Advanced companion animal track):
Veterinary competencies related to modern specialized companian animal practice, including:
Communication with colleagues and lay people, specialized clinical examination and problem-oriented medical recording through the use of modern diagnostic methods and initialization, management and follow-up of treatments.

Horse clinical practice (cf. Equine Clinic Track)
Veterinary competencies related to equine practice, including:
Transferal of principles and methods from advanced clinical hospital practice and clinical research to clinical equine practice in order to perform visitation of patients, diagnosis, treatments, prognosticate, prophylactic management including give advice on feeding.

Herd Health Management (cf. Herd Health Consultancy and Veterinary Public Health and Herd Health Management tracking courses)
Veterinary competencies related to the functions of Herd Health Veterinarians, including ability to:
Identify of the relationship between herd health matters and veterinary public health,
conduct complex health and production-oriented analyzes of swine or cattle production units and, on this basis, provide comprehensive health-care advice to decision-makers in the respective production units.

One Health (cf. Herd Health Consultancy and Veterinary Public Health and One Health tracking courses)
Veterinary competencies related to the functions of Official Veterinarians and veterinarians employed in national or international institutions that conduct research, risk assessment or risk management related to animal and public health through:
Seminars and project and research work, mainly within the field of veterinary public health and zoonotic control, including the relationships between animals, humans and their common environment used holistic approaches targeted at ensuring animal and human health and welfare.

Biomedicine (cf. Biomedicine track)
Veterinary competencies related to biomedical research and product development meeting the EU requirements for holders of animal permits (FELISA functions ABD), including:
Knowledge and skills within modern principles and methods in microbial, parasitic and clinical pathological diagnostics and perform basic research and development tasks using both animal and in vitro methods.

Alternative (international) tracking (for details see UCPH-intranet, in Danish):
Veterinary competencies within one or more specific veterinary fields, obtained on the basis of self-chosen veterinary-relevant university courses at graduate level at home or abroad.

§ 6 The MSc program in veterinary medicine contains the following courses and exams:

<table>
<tr><td rowspan="5">Year 1</td><td>Block 1</td><td colspan="2" rowspan="2">Medicine, Surgery, Reproduction and Obstetrics- Large Animal</td><td colspan="2" rowspan="2">Medicine, Surgery and Reproduction - Small Animal</td></tr>
<tr><td>Block 2</td></tr>
<tr><td rowspan="2">Block 3</td><td>Veterinary Imaging</td><td>Emergency, Obstetrics, Critical Care and Clinical Anesthesiology</td><td>Veterinary Paraclinics</td><td>Practical Herd Health Management and Meat Inspection</td></tr>
<tr><td colspan="2">General Clinical Practice, Large Animals</td><td colspan="2">General Clinical Practice, Companion Animal</td></tr>
<tr><td>Block 4</td><td colspan="4">All the rotation courses of block 3, Year 1 are repeated in this block</td></tr>
<tr><td rowspan="3">Year 2</td><td>Block 1</td><td colspan="4">All the rotation courses of block 3, Year 1 are repeated in this block</td></tr>
<tr><td>Block 2</td><td colspan="4">All the rotation courses of block 3, Year 1 are repeated in this block</td></tr>
<tr><td>Blocks 3-4</td><td colspan="3">One of the following tracks: “Advanced companion animal”, “Equine Clinic”, “Herd Health Consultancy and Veterinary Public Health and Herd Health Management”, “Herd Health Consultancy and Veterinary Public Health and One Health”, “Biomedicine” or “Alternative (international) tracking”.
---------- or ----------
MSc-thesis</td><td rowspan="2">Veterinary Jurisprudence and Animal Welfare Assessment</td></tr>
<tr><td>Year 3</td><td>Blocks 1-2</td><td colspan="3">One of the following trackings: “Advanced companion animal”, “Equine Clinic”, or “Alternative (international) track”.
---------- or ----------
MSc-thesis</td></tr>
</table>

(1) The blocks 3 and 4, Yr. 1 and blocks 1 and 2, Yr. 2 rotation courses are all taught in each of the 4 blocks. The students is divided into 4 rotation teams of a maximum of 45 students, which rotate alternately between courses through 4 blocks in a predetermined course order.

(2)Tracking courses offered in block 3-4, Yr. 2 and block 1-2, Yr. 3. The tracking courses within advanced companion animal diseases and equine Clinical Practice are taught in block 3-4, Year 2 for one half of the enrolled students (team A) and in block 1-2 Year 3 for the second half of (Team B). The other tracking courses (i.e. Biomedicine, Herd Health and One Health) are taught only in the block 3-4, Year 2.
The thesis can be completed over the entire last academic year in parallel with the tracking courses or concentrated in the semester that is not occupied by the tracking course.

(3) Veterinary Jurisprudence and Animal Welfare Assessment is an e-learning course which is conducted in block 4 in parallel with thesis and / or differentiation.

Appendix 3.2. Scheduled course hours used within the mandatory core BSc and MSC courses on the EAEVE subjects

		BSc-courses																							MSc-courses									
Courses taken by all students / EAEVE subjects	Total no. of EAEVE subject hours taken by all students	Veterinary Ethics and Philosophy of Science	Veterinary Zoology	Chemistry and Biochemistry for Veterinary Students	Cytology and Basic Histology	Veterinary Genetics	Veterinary Anatomy and Physiology part 1	Veterinary Anatomy and Physiology part 2	Veterinary Anatomy and Physiology - exam	Infection Microbiology	Immunology, General Pathology and Pathophysiology	Basic Statistics and Epidemiology	Veterinary Pharmacology and Toxicology	Microbiel Food Safety	Herd Health and Public Health	Animal Nutrition	Animal Breeding	Small Animal Basic Clinical Theory	Large Animal Basic Clinical Theory	Special Pathology and Poultry Diseases - Theory	Special Pathology and Poultry Diseases - Practicals	Applied ethology	Veterinary jurisprudence and Laboratory Animal Science	Veterinary BSc project	Medicine, Surgery, Reproduction and Obstetrics- Large Animal	Medicine, Surgery and Reproduction - Small Animal	Veterinary Imaging	Veterinary Paraclinics	General Clinical Practice, Companion Animal	General Clinical Practice, Large Animals	Emergency, Obstetrics, Critical Care and Clinical Anesthesiology	Practical Herd Health Management and Meat Inspection	Veterinary jurisprudence and Animal Welfare Assessment	MSc-thesis
Total scheduled schedules course hours taken by all students	4829	70	32	99	77	76	77	273	6	145	132	96	230	98	83	66	32	65	68	143	61	60	55	276	162	206	206	114	268	314	206	114	96	825
Basic subjects																																		
Medical physics	10						3	4																			3							
Chemistry (inorganic and organic sections)	66			66																														
Animal biology, zoology and cell biology	59		32		27																													
Food plant biology and toxic plants	6												4			2																		
Biomedical statistics	38											38																						
Basic veterinary Sciences																																		
Anatomy, histology and embryology	273				41		41	174	2										5						3		7							
Physiology	142						34	95	4		9																	1						
Biochemistry	42			33	9																													
General and molecular genetics	69					69																												
Pharmacology, pharmacy and pharmacotherapy	144												144																					
Pathology	63										62																	1						
Toxicology	32												32																					
Parasitology	55									55																		20						
Microbiology	119									89																		30						
Immunology	61										61																							
Epidemiology	38											38																						
Information literacy and data management	723	5				7													1					102					2			1		605
Professional ethics and communication	477	42																6	1,5					174		4	11		13	4		2		220
Animal health economics and practice management	6																												2	4				
Animal ethology	61																		1			60												
Animal welfare	69	23													4				1														41	
Animal nutrition	65															64													1					
Clinical Sciences																																		
Obstetrics, reproduction and reproductive disorders	128																								22	7				40,4	50	8		
Diagnostic pathology	279														8			3	2	143	61				4,2			55		2,1		1		
Medicine	242														16			19	16						44	66			45	2,5	34	0		
Surgery	145														2			11	6						31	51			43	1,5	0			
Anesthasiology	48														2			4	1						6	3,5				1	31			
Clinical practical training in common animal species	503												17												28				160	194	81	23		
Preventive medicine	30														8			3											2			17		
Diagnostic imaging	187																	2									183			2				
Therapy in common animal species	107												31		8			19										7		30,2	10	3		
Propaedeutics of common animal species	133																		35						24	74								
Animal Production																																		
Animal Production, including breeding, husbandry and economics	51														16		32															3		
Herd health management	12														8																	4		
Food Safety and Quality, Veterinary Public Health and One Health Concept	-																																	
Veterinary legislation including official controls and regulatory veterinary services, forensic veterinary medicine and certification	161												2,5		8				1				35				2,5			32		6	35	0
Control of food, feed and animal by-products	69													28																		41		
Zoonoses	27									21					4																	2		
Food hygiene and food microbiology	63													60																		3		
Food technology	10													10																				

The table above can be downloaded here

Appendix 3.3. The contribution of the veterinary BSc and MSc curriculum courses towards the development of the ESEVT Day 1 competences (cf. ESEVT SOP, 2019, Annex 2)

The matrix on the following page provides an overview and specification of how the Vetschool courses contributes to the ESEVT Day 1 competences.

Annex 3.3. The contribution of the veterinary BSc og MSc curriculum courses towards the development of the ESEVT Day 1 competences (cf. ESEVT SOP, 2019, Annex 2)

Legends:
S = The course supports development of the Day 1 competence
A = The course supports and assesses the development of the Day 1 competence or an essential part of it as part of the Course Certificate or summative course exam.
Blank cell = The course does not support the Day 1 competence

Day One competences according to ESEVT SOP -2019	Core BSc and MSc course - taken by all students																																Tracking courses - of which all students choose one						
	Veterinary Ethics and Philosophy of Science	Veterinary Zoology	Chemistry and Biochemistry for Veterinary Students	Cytology and Basic Histology	Veterinary Genetics	Veterinary Anatomy and Physiology part 1	Veterinary Anatomy and Physiology part 2	Veterinary Anatomy and Physiology - exam	Infection Microbiology	Immunology, General Pathology and Pathophysiology	Basic Statistics and Epidemiology	Veterinary Pharmacology and Toxicology	Microbial Food Safety	Herd Health and Public Health	Animal Nutrition	Animal Breeding	Small Animal Basic Clinical Theory	Large Animal Basic Clinical Theory	Special Pathology and Poultry Diseases - Theory	Special Pathology and Poultry Diseases - Practicals	Applied ethology	Veterinary Jurisprudence and Laboratory Animal Science	Veterinary BSc project	Medicine, Surgery, Reproduction and Obstetrics- Large Animal	Medicine, Surgery and Reproduction - Small Animal	Veterinary Imaging	Veterinary Paraclinics	General Clinical Practice, Companion Animal	General Clinical Practice, Large Animals	Emergency, Obstetrics, Critical Care and Clinical Anesthesiology	Practical Herd Health Management and Meat Inspection	Veterinary Jurisprudence and Animal Welfare Assessment	MSc-thesis	Familiedyrsydomme	Hestekirurgi	Besætningsrådgivning og veterinær folkesundhed	Besætningssundhed	One-Health	Biomedicine	Alternative (international) tracking*
1.1 Understand the ethical and legal responsibilities of the veterinarian in relation to animals under his/her care, the environment, clients, policies and society.	A								S			A	S	A			S	A			S	A		A	S	A		S	A	S	A	S		S	S	A	A	S	S	N/A
1.2 Demonstrate knowledge of the organisation, management and legislation related to a veterinary business economics and employment rights.														A										A		A		S				S		S	S	S		S	N/A
1.3 Promote, monitor and maintain health and safety in the veterinary setting; demonstrate knowledge of systems of quality assurance; apply principles of risk management to their practice.									S			S	A	S			A	A						A		A	S	S	S	S	A		S	S	S	S			N/A
1.4 Communicate effectively with clients, the public, professional colleagues and responsible authorities, using language appropriate to the audience concerned and in full respect of confidentiality and privacy.		A		S					S				S	A	S		A	A	S			A	A	S	S	A	S	A	A	S	A		A	A	S	A	A	S	S	N/A
1.5 Prepare accurate clinical and client records, and case reports when necessary, in a form satisfactory to colleagues and understandable by the public.				S										S			A	A		S		A		A	S	S		A	A	S	A			A	A		S	S		N/A
1.6 Work effectively as a member of a multi-disciplinary team in the delivery of services.	S		S	S		S	S	S	S				A	A	S					S		S	S	S	S	B		A	S	S	S		S	A	S	A	A	A	A	N/A
1.7 Understand the economic and emotional context in which the veterinary surgeon operates.														A				S						A	S	S		S	S	S	S			A	S	A	A			N/A
1.8 Be able to review and evaluate literature and presentations critically.	A	S			S	S	S	S			A		S	A	S		S				S	S	A	A		S		A	S	S	S	S	A	A	S	A	A	A	A	N/A
1.9 Understand and apply principles of clinical governance, and practise evidence-based veterinary medicine.						S	S	S			A		S	A			S							A	A	A		A	S	S	S			A	S	A	A		S	N/A
1.10 Use their professional capabilities to contribute to the advancement of veterinary knowledge and One Health concept, in order to improve animal health and welfare, the quality of animal care and veterinary public health.						S	S	S	A			S		S	S			S		S	S		S			S		S			S	S	S	A	S	B	S	N/A
1.11 Demonstrate ability to cope with incomplete information, deal with contingencies, and adapt to change.											A			A				S				S		A		S		S	S	S	A		S	A	A	A	A	B	U	N/A
1.12 Demonstrate that they recognise personal and professional limits, and know how to seek professional advice, assistance and support when necessary.			S		S	S	S	S	S					S	S				A	A		S	S	A		S		S	S	S	S		S	A	S	A	S	B	B	N/A
1.13 Demonstrate an ability of lifelong learning and a commitment to learning and professional development. This includes recording and reflecting on professional experience and taking measures to improve performance and competence.						S	S	S				S	S	S	S							S	S	A	S	S		S		S	S		S	A	S	S	S	S	S	N/A
1.14 Take part in self-audit and peer-group review processes in order to improve performance.	S								S			A	S	A								S	S	S	S		A		A				A	S	S	A		S	N/A
1.15 Obtain an accurate and relevant history of the individual animal or animal group, and its/their environment.		S							S					A	A	A		A	A			A		A	S			A	A	S	A		A	S	S	A		S	N/A
1.16 Handle and restrain animal patients safely and with respect of the animal, and instruct others in helping the veterinarian perform these techniques.														S				A				A		A	S	S		S	A	S	A			A	A		S			N/A
1.17 Perform a complete clinical examination and demonstrate ability in clinical decision-making.				S										S				S	S					A	A			A	A	A	A			A	A		S	S		N/A
1.18 Develop appropriate treatment plans and administer treatment in the interests of the animals under their care with regard to the resources available.												A		A	S							A		A	A		S	A	A	A	S			A	A		A	S	S	N/A
1.19 Attend in an emergency and perform first aid in common animal species*.												S												A					A	A				A	S				A	N/A
1.20 Assess the physical condition, welfare and nutritional status of an animal or group of animals and advise the client on principles of husbandry and feeding.														A	A			S	A	A	S	S		A	S			S	A	S	A	S		A	A	B	A	S		N/A
1.21 Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.			S	S	A				A		A		A	S				A	A	A				A	A	A	A	A	A	S				A	A	U	S	S		N/A

1.22 Communicate clearly and collaborate with referral and diagnostic services, including providing an appropriate history.		S		S		S	S	S	S									A		S		A		S		A	S	S	A	S	A			A	S			S		N/A
1.23 Understand the contribution that imaging and other diagnostic techniques can make in achieving a diagnosis. Use basic imaging equipment and carry out an examination effectively as appropriate to the case, in accordance with good health and safety practice and current regulations.						A	A	A	A	A							S	S	A	A				B	S	A		S	A	S				A	A			S		N/A
1.24 Recognise signs of possible notifiable, reportable and zoonotic diseases as well as abuse and take appropriate action, including notifying the relevant authorities.									A				A	A				S	A	A		A		B	A			S	A	S	A			A	S	B	A		S	N/A
1.25 Access the appropriate sources of data on licensed medicines.												A		A										S				S	S					A	S		A			N/A
1.26 Prescribe and dispense medicines correctly and responsibly in accordance with legislation and latest guidance.												A		A								A		S	S		A	S	A	S				A	S	U	A	S	A	N/A
1.27 Report suspected adverse reactions through the appropriate channel.												A										A		S				S	S	S	A			S					A	N/A
1.28 Apply principles of bio-security correctly.			A						S		A		S					S		S		S		A				S	S	S	A			S	S	U		S	A	N/A
1.29 Perform aseptic procedures appropriately.																				S				A	A			A	A	S				A	S				A	N/A
1.30 Safely perform sedation, and general and regional anaesthesia; implement chemical methods of restraint.												A												A	S				A	A				A	S					N/A
1.31 Assess and manage pain.						S	S	S				A		S				A			S			A	S			S	A	A	S	S		A	A		S		A	N/A
1.32 Recognise when euthanasia is appropriate and perform it with respect of the animal, using an appropriate method, whilst showing sensitivity to the feelings of owners and others, with due regard to the safety of those present; advise on disposal of the carcase.												A		S				S	S	S		S		A	S			S	A	S	S			A	S		S			N/A
1.33 Perform a systematic gross post-mortem examination, record observations, sample tissues, store and transport them.		S		S						S				S					A	A									S		S			S			S	S		N/A
1.34 Perform ante-mortem inspection of animals destined for the food-chain, including paying attention to welfare aspects; correctly identify conditions affecting the quality and safety of products of animal origin, to exclude those animals whose condition means their products are unsuitable for the food-chain.						S	S	S					S	A															S		S						A	A	A	N/A
1.35 Perform inspection of food and feed including post-mortem inspection of food producing animals and inspection in the field of related food technology.													A	A	S				S	S											A						A	A		N/A
1.36 Advise on, and implement, preventive and eradication programmes appropriate to the species and in line with accepted animal health, welfare and public health standards.					A						A			A		S						A					S		S		A			S		B	A	A		N/A

The table above can be downloaded here

Appendix 3.4 Copy of EPT rotation contract

External practice rotation for veterinary students

To provide the students with an opportunity to achieve a better insight into the working environment of privately practicing veterinarians, the students have external practice rotations as part of their mandatory courses.

The aim of the EPT is for the student to obtain a first hand impression of private practice workflow and patient handling. The students are expected to make individual arrangement with a private practice, but if they are unable to find a place, the Vetschool can provide guidance to practices who have volunteered to host students.

Prior to this external practice rotation, the students have participated in and passed several preclinical and clinical courses such as clinical examination methodology, basic surgical technique and lectures on medicine, surgery and reproduction in companion and large animals. Some students may also have had clinical rotations, including general clinical practice companion and large animal rotations or emergency, obstetrics, intensive care and clinical anaesthesiology.

It is not expected that the student undertake primary patient responsability, but that the student is allowed to participate in all relevant activities, including consultations, client communication, operations, laboratory work, X-ray examinations, general owner advice, product replenishment etc.

To ensure that the student is covered by the practice insurance during the unpaid stay, it is required that you sign an agreement before the student arrives. The student has access to the template for the agreement.

At the end of the private practice rotation, we ask the veterinarian in charge to confirm the rotation in written and to evaluate how the student performed during the visit. This is to document the visit as well as to enable us to prepare the students for their external rotation in the best way. On the following page, you are asked to evaluate the individual visit, and you are welcome to do it together with the student.

Student name_____

Student number_____

Practice host/stamp

_____

time periode_____

Course number	SVEK13008 General clinical practice, large animals	SVEK13023 General clinical practice companion animals	
Check			
Course organiser	nyc@sund.ku.dk	crb@sund.ku.dk	
Course number	SVEK13012 Horse tracking	SVEK13013 companion animal tracking	SVEK13111 production animal tracking, pigs
Check			
Course organiser	rib@sund.ku.dk	koch@sund.ku.dk	jpni@sund.ku.dk

External practice	satisfying	less satisfying
The student's effort was		
comments are welcome		

The student will upload the document through the course platform for documentation

Appendix 4.1 Building facilities for the two departments

Facilities for D-VAS

Teaching laboratories: The two main teaching laboratories are located in Building 1-20. They can each accommodate 60 students in laboratory-based exercises. They are equipped with 20 teaching light microscopes each in addition to a number of loop microscopes and a few specially equipped microscopes (dark field microscopy, dissection microscopes and the like). The laboratories are built to allow students to handle infectious agents (class two safety level) and genetically manipulated microorganisms (GMO class one). Complete sets of molecular biology equipment (centrifuges, pipettes, electrophoresis equipment) are available for teaching. The laboratories are used for training students in practical bacteriology, immunology, parasitology and virology. For teaching involving class two genetically modified organisms (mainly post graduate courses), large research laboratories in building 1-20 are used. The students have access to lockers in the basement of the building.

In addition to the two large teaching laboratories, a smaller laboratory exists in building 1-05. The laboratory (room A018, including preparation room A016) is intended for 24-36 students, depending on the exercise. It is used for teaching in veterinary physiology, including exercises on a) muscles, b) circulatory system (heart), c) respiratory system, and d) metabolism (liver)) and for exercises in chemistry and biochemistry. It is equipped with two fume cupboards with gas-outlets, 3 x 2 sinks, emergency shower, internet, a lift for disabled, a blackboard, a whiteboard, and a canvas-screen. For each exercise, the necessary equipment is set up and removed again. The laboratory is equipped with the PowerLab system (AD Instruments) for electronic data acquisition and analysis as well as other hard- and software supporting student exercises in veterinary physiology. The PowerLab (AD converter) is connected to exercise equipment to determine various physiological functions (ECG, Spirometry etc., muscle function and strength). For the biochemistry exercise, equipment for PCR and gel electrophoresis are used. The students have access to 12 lockers right next to the exercise lab and also an additional 40 + 20 lockers on the first floor (just above the exercise lab).

Three laboratories for a total of 45 students are used in “Paraclinics” (Dyrlægevej 100, 2nd floor). The laboratories are built to allow students to handle infectious agents (class two safety level) and are equipped with 15 microscopes, 15 dissection microscopes, fume cupboard, and photographic equipment for size measurements besides standard parasitology equipment, including facilities for post mortem examination of intestines and/or whole small animals.

For teaching laboratory animal science and biomedicine, teaching facilities for up to 45 students are located at Dyrlægevej 43. In building 1-35 there are two exercises rooms with equipment for handling, small procedures and rodent macrosurgery for up to 18 students in each. One of the rooms is shared between laboratory animal science teaching and surgical technique Skills Lab teaching offered by the Department of Veterinary Clinical Sciences, while the other room is fully dedicated to laboratory animal science. In building 1-62 there is a microsurgery lab with 12 video-surveilled microscopes and equipment for teaching microsurgery. We have a state of the art laboratory that can accommodate 30 students. This laboratory is used for more advanced immunological exercises, including flow cytometry, transfection, Western blotting, RT-PCR, cell cultivation and various bio-assays.

The exercise rooms for rodent handling and macrosurgery includes equipment for minor procedures to be performed by all students on the same time. The microsurgery lab includes 12 stereo microscopes with their own monitor for external microscopic view (teacher), heating pads, and microsurgical equipment available for all 12 students on the same time.

The main rooms for pathology, histology and anatomy are:

Main pathology teaching theatre: This facility is housed in a building from 2001, which contains two state-of-the-art necropsy rooms and a laboratory for histology. Next to and included in the largest necropsy room is an auditorium with 120 seats, from which the room can be overlooked. Both necropsy rooms are well equipped for simultaneous necropsy of 2-3 large animals (e.g. horses and cattle) and 2-4 small animals (e.g. dogs and cats). In connection to the necropsy facilities there are two cold-rooms, rooms for taking pictures, modern locker room facilities for students and support rooms. The laboratory for histology includes equipment appropriate for conventional and fluorescence microscopy, processing of cryostate sections, and research histology/immunohistochemistry. This is, however, not used for basic training of students in histopathology. In addition to this there is a video-link from the teaching theatre to the UH-LA in Taastrup, making it possible for students and faculty in Taastrup to communicate with pathologists and to follow the necropsy of animals at the Frederiksberg Campus. In the basement of the pathology-building changing rooms for male and female students, respectively, are present. The rooms are equipped with lockers for the students, toilets and shower facilities. The regulation clothing to be wearing for entering the necropsy room is provided by the department.

Two histology class rooms each fully equipped for 90 students. The class rooms are connected through a controlled A/V-equipment with a teacher bright field microscope attached to it. Hence, practical microscopy demonstrations can be given in both class rooms to 180 students by one teacher. The students perform a combination of practical light microscopy and virtual microscopy. Hence, the histology class rooms are equipped with full internet access for simultaneous use of the virtual microscopy platform (VIRMIK) by all students. All almost 100 histological slides are available at high resolution through this database. Further, each of the two class rooms is equipped with 45 bright field microscopes to serve the 90 students working on a combination of practical and virtual microscopy. Moreover, the microscopes are placed in groups of 4-5, and in each group one microscope projects to a screen hereby allowing for group discussions.

A dissection hall fully equipped for 180 students. The hall is furnished by a controlled A/V-equipment allowing for one teacher to demonstrate organs from full intestinal systems to details of e.g. the kidney. Adjacent to the dissection hall, four small rooms for presentation and discussion of dissected specimens are located.

A dedicated building for preparation of dissection material and for teaching topographic anatomy on e.g. full standing euthanized cows and horses (Anubis).

A dedicated building for preparation of dissection material and for topographical anatomical practices (Anubis).

The Department also provides two wet-laboratories and one dry laboratory with capacity for 20 – 30 students.

Research laboratories accommodating 4-6 master student at a time with equipment for state of the art molecular genetic research

In building 1-35 there are two exercises rooms with equipment for handling, small procedures and rodent macrosurgery for up to 18 students in each. One of the rooms is shared between laboratory animal science teaching and ‘dummy’ surgery teaching offered by the Department of Veterinary Clinical Sciences, while the other room is fully dedicated to laboratory animal science.

In building 1-62 there is a microsurgery lab with 12 video-surveilled microscopes and equipment for teaching microsurgery.

In building 1-20, there is 1 large laboratory for immunological exercises that can accommodate 60 students. The laboratory is used for handling standard immune techniques such as: ELISA, isolation and separation of leukocytes from experimental animals. I building 1-62 we have a state of the art laboratory that can accommodate 30 students. This laboratory is used for more advanced immunological exercises, including flow cytometry, transfection, Western blotting, RT-PCR, cell cultivation and various bio-assays.

The exercise rooms for rodent handling and macrosurgery includes equipment for minor procedures to be performed by all students on the same time.

The microsurgery lab includes 12 stereo microscopes with their own monitor for external microscopic view (teacher), heating pads, and microsurgical equipment available for all 12 students on the same time.

The laboratory in 1-20 is equipped with pipettes, centrifuges, microscopes and standard laboratory equipment for standard immunological techniques.

The laboratory at 1-20 is state of the art, including Accuri Flow Cytometer, high speed centrifuges, RT-PCR facility, transfection and Western Blotting equipment, LI-COR scanner and Mesoscale. Next to the laboratory there is a fully equipped cellular laboratory with flow hoods, CO_2 incubators and microscopes for cellular bioassays.

Building facilities for D-VCS

UH-CA, Frederiksberg Campus

- **Teaching rooms**: The UH-CA has a large auditorium that can accommodate 94 students as well as 6 other lecture rooms, two of which also function as clinical rounds rooms, capable of accommodating 18-45 students each, all fully equipped with A/V facilities. In addition to this, the UH-CA is equipped with three “flex” rooms that function both as rounds rooms for the specialty services, as well as student rooms for students participating in specialty service rotations and in veterinary imaging.
- **The microscopy clinical pathology laboratory** can accommodate 45 students with a digital camera equipped microscope and laptop computer for each student. Instructors can interact electronically with individual students or more students and the students can interact electronically with the instructor as well as with other students.
- **Skills/surgery laboratory**: The UH-CA has a combined surgical skills/ surgery laboratory that can accommodate 36 students. In addition when surgical skills are taught, the students are initially taught in a skills lab facility currently situated at the Department of Veterinary and Animal Sciences
- **Room for teaching physical examinations on dogs and cats:** adjacent to one of the lecture rooms, a room equipped for teaching physical examination on dogs and cats is available and includes height adjustable tables for 12 dogs and fits 36 students.
- **Teaching laboratory**: The UH-CA is equipped with a student laboratory in which students can examine skin scrapings, cytologies, bloodsmears, fecal and urine samples as well as perform standard blood analyses.

UH-LA, Taastrup

- **Teaching laboratory**: One teaching laboratory with 12 workstations, each equipped with standard laboratory equipment for haematology, fecal analysis, cytology and semen analysis, including microscope and access to in-lab broadband transmission screens.
- **Skills laboratory:** Two Skills labs.: One for training basic clinical/surgical skills and one orthopaedic skills lab.
- **Rooms for clinical teaching**: Three specially designed teaching rooms are available. One big multipurpose room for different clinical teaching situations (four moveable stocks are available (gynaecology in mares, equine rectalisation, laparotomy cattle), facilities for inhalation anaesthesia of

up to eight pigs at a time), one room for teaching surgery on cattle and one room specially designed for teaching fetotomy.

- **Teaching rooms**: Three rooms are fully equipped with beamer, PC, etc. and with the possibility of accommodating 62 students are available. A large auditorium seating 85 persons is also available. This room is fully equipped with all A/V facilities and houses the two screens used for daily direct transmission from the pathology theatre at Frederiksberg.
- **Locomotion unit/Riding arena ("KUSTOS-Hallen")** which can accommodate approx. 100 student a time.
- **Skill labs** (preclinical stimulation-based training on dummies, ...)

In the lab. animal exercise rooms there are toy rodents for practicing handling, and in the microsurgical exercise room there are rubber membranes for practicing sutures.

In the clinics at both campuses the skills labs are introduced in the pre-clinical courses. The skills laboratories contains a huge selection of mannequins for practicing and simulation of basic clinical skills.

Appendix 4.2 List of equipment, UH-CA, Frederiksberg, University of Copenhagen

Small animal Diagnostic Imaging

Radiography

Stationary: direct Radiography Fuji Digital, Shimadzu X-ray generator (800 mA)
Mobile: computed radiography Fuji, Gierth, High Frequency HF80 ML (15 mA)
Mobile fluoroscopy: GE Fluoroscopy (Digital C-arm unit)
Portable Dental: heliodent (15 mA dental unit)

Ultrasound

General Electric Logiq E9
General Electric Vivid-I (acutescanner)
General Electric Vivid E9
General Electric Logic 9
General Electric Logic 9

Large selection of transducers ranging from 3 to 15MHz, linear, curvi-linear, phased array and 3D imaging.
CT equipment: Siemens (Somatom Emotion) single slice helical CT scanner
Dual energy X-ray absorptiometry DXA scanner (Lunar DPX αlpha)
SPECT unit (3-headed gamma camera)
9.5 T closed magnet Research unit, 20 cm bore size limitation. Ready access for anatomical / specimen studies.
I-131 treatment facility for cats with hyperthyreoidism
Archiving
PACS system (radiography, ultrasound, CT)
Fluoroscopic images stored on digital media

Veterinary Laboratory Equipment

Facs Canto (Flow cytometer)
Immulite 2000 XPI (Endocrinology)
Advia 1800 (Biochemistry)
Minicap Cappilary Electrophoresis (Biochemistry)
Airfuge centrifuge
Elix 5 Water purification System
Advia 2120 (Haematology)
ACL TOP 500 (Coagulation)
TEG 5000 (Hemostasis)
Multiplate (Platelet aggregometry)
TGT (Thrombin generation)
Spectral (Endotoxin)
Luminex (Inflammation, cytokines)
Freezer -80^0
Microscopes
Centaur CP (Biomarkers)

Inhouse lab

6 microscopes (Nikon, Gundlach, Labophot-2)
1 teaching microscope with 4 additionel teaching oculars (Nikon)
Refractometer
Cytology staining

Out of hours in house lab

IDEXX ProCyte Dx (Haemotology)
IDEXX Catalyst One (Biochemistry)
IDEXX SNAPshot Dx
IDEXX Coag
MacAulay osmomoter
3 Centrifuges
GEM4000
CRP

Surgical equipment

3 surgery theaters fully equipped for soft tissue procedures including endoscopy

2 surgery theaters fully equipped for orthopedic procedures including arthroscopy

Inhalation anaesthesia, assisted ventilation, hypothermia prevention (Bair Hugger/Gaymar)

All equipment and instrumentation permitting basic and advanced soft tissue and orthopedic intervention.

Pneumatic and battery-driven orthopaedic drills (3) sagittal (2) and TPLO saws (1)
Standard AO equipment (1.5, 2.0, 2.7, 3.5 and 4.5), locking plate system, linear external fixation systems (IMEX, Vi)
Anspach EMAX neurosurgery bur for spinal surgery
Electrosurgery units (bipolar, monopolar with extraction facilities) for each theatre, suction
Assorted stapling devices (endo-GIA and TA-stablers)

Electrosurgery

4 x Erbe electrosurgical units
2 x Eicktron 600 electrosurgical unit
Assorted mono- and bipolar instruments
1 x vessel sealing unit (Ethicon Harmonic Scalpel 300)
1 x Smoke evacuator (Lina SEU-0100)

Endoscopy

Camera units

Fujinon gastroscopy-laparoscopy-arthroscopy (Fijinon Xl-4400)
2 x Karl Storz gastro-laparo-arthroscopy (Telecam VetIII 69236020/SCB Xenon 100 20132620; Karl Storz Telecam Dx 20232020/Laparoflator 26430020/Xenon175 20132020)
2 x ENT units (Karl Storz Telecam Dx 20232020; AtmosCam 31/Heine HK7000)

Endoscopes:

Flexible endoscopes:
1 x Fujinon video endoscope EVE 530 (9.4 mm x 110 cm)
1 x Karl Storz Veterinary video endoscope PV-SG 20-110 (5.9 mm x 110 cm)
2 x Karl Storz fiberscope 60001Vl2 (5.8mm x 85 cm)

Rigid endoscopes:

2 x Karl Storz 30 degrees arthroscopes, 1 Wolf 25 degrees arthroscope
2 x Karl Storz laparoscopes (3 mm and 5 mm)
2 x 160 mm rigid Karl Storz rhinoscopes (0/30 degrees)

Anaesthesia:

27 anaesthetic evaporators for isoflurane or sevofluran
6 ventilators
9 ventilators Bag in Bottle
4 Bain systems
11 Circle systems
5 Bair Huggers
3 BP monitors (Cardell)
7 suction systems
17 Laryngoscopes
4 Datex monitors
11 Pulse Oximetry
2 capnographs
7 TIVA pumps
7 Infusion pumps (Heska)

ICU

2 x Snyder oxygen cages
2 x Purpose build multifunction, mobile and adjustable intensive care cages
Baxter infusion pumps
Blood gas
1 Schiller AT-102 ECG units
1 BP monitors (Cardell)
18 Infusion Pumps (Heska)
Fluid warmer

ISO

1 i-STAT Alinity acid-base blood analyzer
2 glucometers
1 lactometer
2 HESKA/InfuVet fluid pumps
2 Enmind syringe pumps

2 Cardell Touch Veterinary Monitor (1 with invasive blood pressure and print)
1 EKG Schiller AT-101
1 MINDRAY monitor
1 PetMap graphic
1 Nonin pulse oximetry
1 Welsh Allyn ophthalmoscope head
1 Welsh Allyn otoscope head
1 Welsh Allyn Lithium Ion Rechargeable Handle
1 Laryngoscope handle, 1 short and 1 long head

Oncology

EviVax Electroporator (solid tumor local therapy modality)

Cardiology

1 Schiller AT-102 ECG units
2 HDO blodpressure units
Life-pak 20e defibrillator
Echopac (6 licenses)
Holter monitors (3 units including analyzing station)
Meditron cardiophonoanalysis system

Ophthalmology

1 Keeler PSL slitlamp - handheld
1 Keeler indirect headset with teaching mirrors
Indirect lenses 14D, 20D, 2.2D, 30D
2 Welsh Allyn PanOptic ophthalmoscope
4 Welsh Allyn Lithium Ion Rechargeable Handle
4 Welsh Allyn Transilluminator with direct ophthalmoscope
4 Welsh Allyn Coaxial ophthalmoscope
1 TonoVet ICare
1 Tonopen XL
1 Lova Barkan goniolens

Otoscopy

1 Karl Storz video otoscope
1 Inventis tympano-audiometer system model Flute incl. reflex testing
17 Welch Allyn wall mounted oto-ophtalmoscopes
2 Welch Allyn hand-held otoscopes

Sterilization area

Steam autoclave - Matachana
Medisafe ultrasound cleaning machine
Steelco Instrument washing machine

Rehabilitation equipment

Water walker treadmill HP200
Land based treadmill
Eickemeyer K-Laser unit

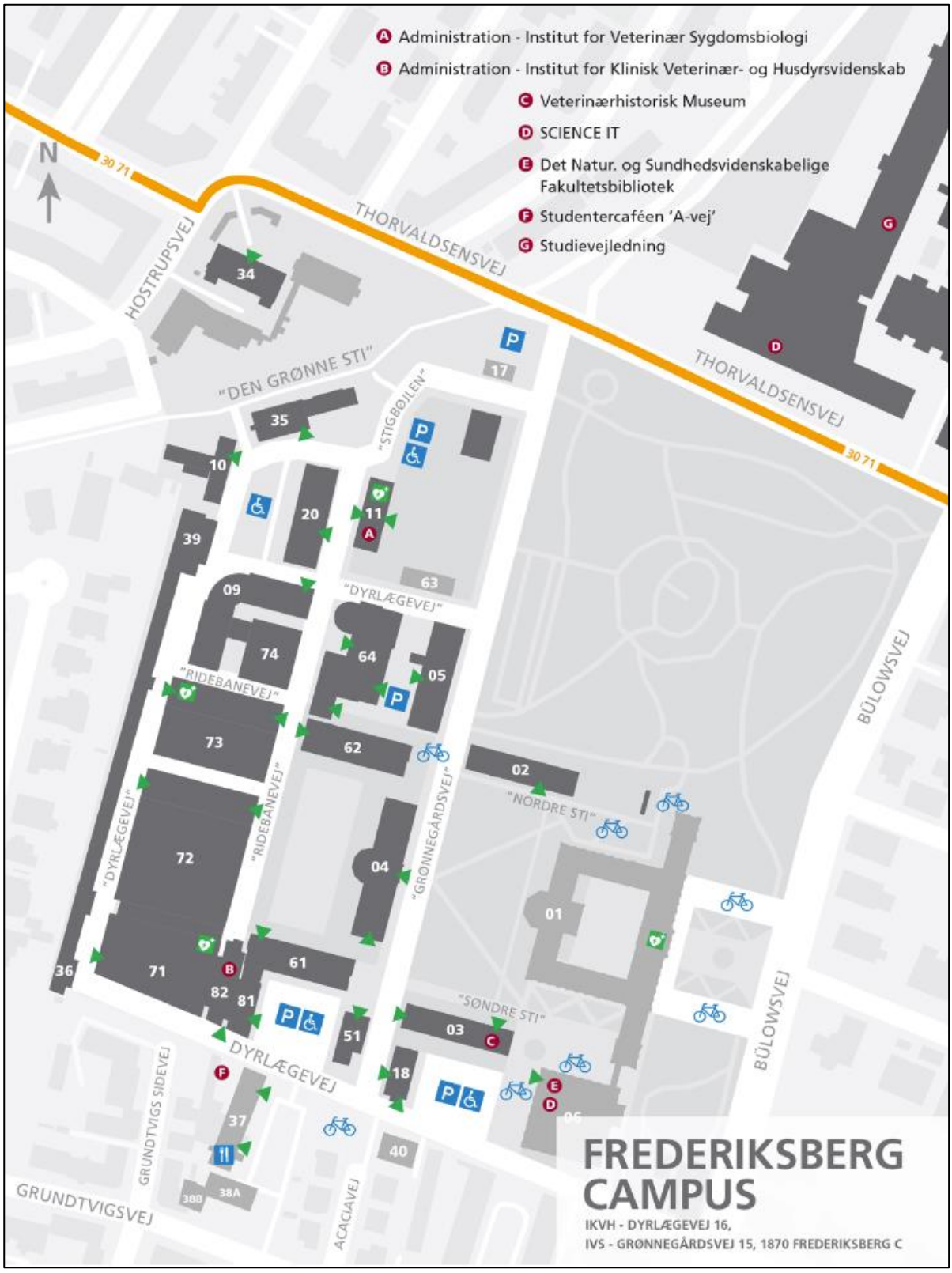
Blood bank

Beckman Coulter J6-MI Centrifuge
Baxtr Optipress plasmaseperator
Jun-air Compressor
Baxter hematron III sealer 2 stk
Domestic ML295 -35^0 freezer
Gram Bioline $+4^0$ refrigerator
Fresenius kabi Volumat agilia pump
Helmer Plasma thawer
Granzow vacuum pump

Dentistry

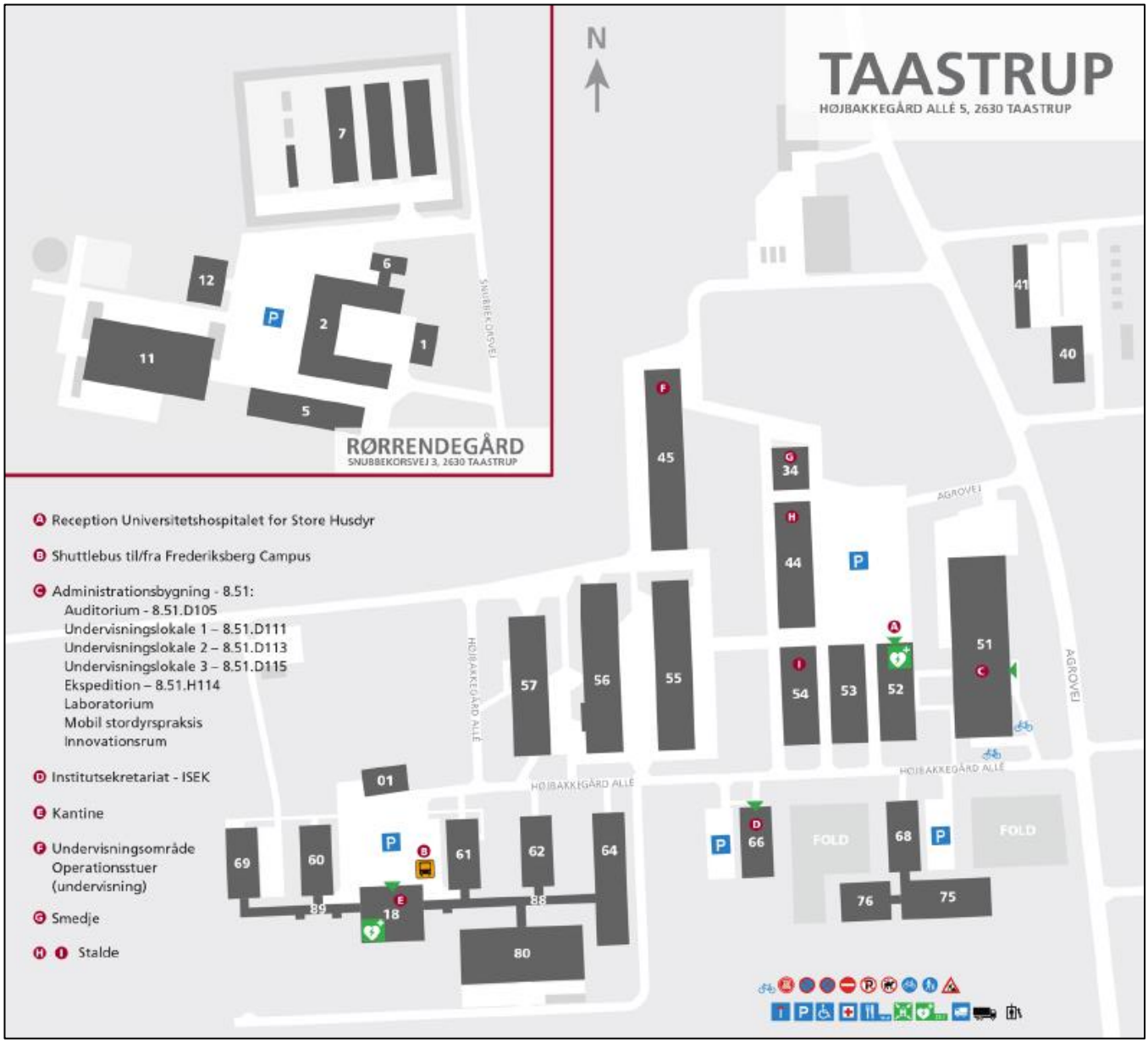
2 x Dental Unit incl. 3-way syringe, airrotor, low speed micromotor, indirect intraoral radiography.
Dental Units/Heka wall mounted; Kavo Mobile
Radiography: CR 7 Vet Image Plate X-ray generator: Phillips Oralix
Endodontic rotary engine (HyFlex)
Full sets of instruments for endo-, perio- and maxillofacial surgery

Appendix 4.3 Map of Frederiksberg Campus



Aerial view of Frederiksberg Campus

Appendix 4.4 Map of Taastrup Campus



Aerial view of Taastrup Campus

Appendix 4.5 List and map of locations for extramural activities under academic supervision

The Copenhagen VetSchool students visit a number of external sites

Course responsible	Activity	Animal species and #	Company	Address	Map location
Jørgen Agerholm	Transrectal palpation (TRP). Pre slaughter welfare control	140 cows for TRP	Danish Crown	Svanningevej 1, 9220 Aalborg Øst	A
Dorte Bay	Cattle week: Milking procedures morning and evening	120 cows plus heifers and calves	Kjærgård Landbrugsskole	Kjærgårdsvej 31, 6740 Bramming,	B
Dorte Bay	Cattle week – clinical training on herd health screening and advisory services. See film	750 cows plus milk feed calves	Lauridsen, Toftgård I/S	Ålbæk Møllevej 32, 6740 Bramming	C
Dorte Bay	Cattle week – clinical training on herd health screening and advisory services.	450 cows plus heifers and calves	Jan Toft Nørgård	Nørremarksvej 31, 6780 Skærbæk	D
Dorte Bay	Cattle week – clinical training on herd health screening and advisory services.	215 cows plus heifers and calves	Hans Thyssen	Gyvelvej 52, 6780 Skærbæk	E
Dorte Bay	Cattle week – clinical training on herd health screening and advisory services.	800 cows plus milkfeed calves	Wenzel	Vrenderupvej 31, 6818 Årre	F
Dorte Bay/ Nynne Capion	Herd Health + One Health track Dehorning	350 cows plus heifers and calves	Gjorslev Gods (2019) Another farm on Sjælland to be used in (2020)	Gjorslevvej 20, Holtug, 4660 St. Heddinge	T
Dorte Bay/Volker Krömker	Herd Health track, focus on udder health		Used in 2019 Another farm on Sjælland to be used in 2020	Hjørnegårdsvej, 4070 Kirke Hyllinge	O
Dorte Bay	Herd Health track	Cows, heifers calves	different private practitioners and farms		
Rikke Buhl	Internal medicine, surgery and reproduction (propaedeutics, KUM)	250 cows and calves	Assendrup Hovedgård	Assendrupvej 10, 4690 Haslev	V
Rikke Buhl	Internal medicine, surgery and reproduction (propaedeutics, KUM)	50 horses	Herlev Riding facility	Krebsdammen 23 2730 Herlev	X
Rikke Buhl	General clinical practice	350 cows plus heifers and calves	Gjorslev Gods	Gjorslevvej 20, Holtug, 4660 St. Heddinge	T
Rikke Buhl	Horse tracking, Reproduction	horses	different private practitioners		
Helle Stege	1) Clinical examination of six patients followed by euthanasia and necropsy.	800 sows 4,000 weaners/growers	Brådegård	Næbbevej 18 A 4560 Vig St	M

	2) "Advisory visit" with clinical assessment of groups of pigs, housing, management, climate, biosecurity, productivity and animal welfare.	120 finishers			
Helle Stege	1) Clinical examination of six patients followed by euthanasia and necropsy. 2) "Advisory visit" with clinical assessment of groups of pigs, housing, management, climate, biosecurity, productivity and animal welfare.	410 sows 2,100 weaners/growers 800 finishers	Askely	Ledreborg Alle 30 A 4000 Roskilde	S
Peter Sandøe	Ethics and Scientific Theory	pigs		Nyrupvej 76, 4180 Sorø	N
Peter Sandøe	Ethics and Scientific Theory	dairy cows	Assendrup Hovedgård	Assendrupvej 10, 4690 Haslev	V
Peter Sandøe	Ethics and Scientific Theory	layers (organic)	Vallø Øko Aps	Vallø Slot, Slotsgade 3, 4600 Køge	U
Peter Sandøe	Ethics and Scientific Theory	mink	Nordgaard Mink,	Brandelev Stationsvej 11, 4700 Næstved	P
Ida Thøfner	Herd Health and biosecurity	36,000 non-caged/barn housed plus replacement pullets	Aalundgård	Ladegårde Byvej 10, 5560 Årup	L
Ida Thøfner	Herd Health and biosecurity	130,000 broilers	Williamsborg Gods	Søkærvej 33, 8722 Hedensted	K
Ida Thøfner	Herd Health and biosecurity	24,000 layers (organic) plus replacement pullets	Vallø Øko Aps	Vallø Slot, Slotsgade 3, 4600 Køge	U
Hanne Ingmer	Meat inspection, slaughterhouse	pigs	ZBC Roskilde	Maglegårdsvej 8, 4000 Roskilde	R
Hanne Ingmer	Meat inspection, slaughterhouse	cattle, sheep, a.o.	Harald Hansens Eftf. I/S	Fabriksvangen 27, 3550 Slangerup	Q
Anne Sofie Hammer	Introduction to mink management, production system and biosecurity. Farm review together with herd veterinarian.	5,800 mink	Sole A/S	Toftegårdsvej 11, 8722 Hedensted	G
Anne Sofie Hammer	Introduction to chinchilla management and health (including breeding, feeding, watering systems and euthanasia)	970 chinchillas	Jørgen Jørgensen	Vesterbyvej 13, 8722 Hedensted	H
Anne Sofie Hammer	Large scale feed production for mink. Introduction to raw materials, feed production, feed hygiene and feed related health issues	mink	SOLE mink feed company	Kærvej 45, 8722 Hedensted	I


Extramural, clinical teaching sites for VetSchool students under academic supervision
DENMARK
SWEDEN
GERMANY
A
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Appendix 8.1 Logbooks

Core Clinical Rotation within Large Animals

General Clinical Practice, Large Animal, SVEK 13008U

Name: _____

Telephone: _____

Course period: _____

Dear Vet Students
Welcome to the course "General Clinical Practice, Large Animal" at the University Hospital for Large Animals in Taastrup. The course consists of four rotations: Internal Medicine-horse (2 weeks), surgery-horse (2 weeks), production animals (2 weeks) and reproduction (1 week). On this course, you should now refresh and upgrade the clinical skills you have learned in previous courses (basic orthopedics, surgical technique and clinical examination methodology), and use and combine the theoretical knowledge you have gained on the program's former subjects. You may also acquire a new clinical skill that specifically addresses the reproduction, diagnosis, therapy, assessment of prognosis and prevention of disease. This logbook includes only selected evaluable practical skills. The more theoretical / practical skills, as indicated in the course description will be assessed by examination. Learning objectives of the course are inserted at the end of the document.

There are 3 levels, you are expected to master the various practical skills to:
1 = Has attended
2 = Has carried out under the supervision
3 = Can perform independently

The date by which the skill is mastered at the desired level is recorded by you, and a teacher is signing and will provide ongoing or future feedback. In addition, it also includes a list of skills that you can continuously test yourself.

Beyond the specific practical skills the logbook includes space to note some of the patients you have followed and written records on. Clear and accurate communication through journal writing and oral presentations of patients during rounds and journal writing are trained throughout the course as preparation of understandable records are essential for communication with colleagues and the general public.

During the entire course, you, together with your group, either horse or production animals should have:
- Presented at least three hospital patients on rounds (short problem-oriented presentation)
- Written, produced and received oral feedback on at least 2 full clinical records
- Receive verbal or written feedback from a fellow student on at least 3 full clinical records

The accompanying course certificate must be brought daily and filled regularly. The last day of the course, the certificate is signed by the responsible teacher. The approval of the clinical course is not only dependent on you showing up. That the stay has been satisfactory completed also implies that the competencies seen in the learning goals in the course description and the logbook is obtained and approved. If there are significant gaps in the logbook, agreement can be made for extra shifts, training in skills-lab or extra focus on specific areas in the next rotation. It is your responsibility to ensure that the logbook is completed and approved.

We hope that you will have a rewarding course.

Sincerely,
Nynne Capion,
Course responsible

General skills for both horse and production animal (all must be done)

Skills	Level	Date	Signature
IM injection	3		
IV injection	3		
Blood sampling	3		
Placing of an iv catheter	3		
Participating in procedures (chirurgia minor and/or major), by use of correct surgical principles	3		
Teatsurgery – teatdilator, teatamputation	1		
Euthanasia by injection	1		
Euthanasia by nailgun (shooting in head)	2		
Writing a surgical record	3		
Induction of aneasthesia	1		

Laboratory skills (all has to be approved)

Skills	Level	Date	Signature
Blodsmear and staining	3		

Specific for Production animal (all has to be approved)

Skills	Level	Date	Signature
Completion of ”withdrawel” paper	3		
Completion of slaughtercertificate	3		
Dehorning of calves (Sedation, local anesthesia and burning)	3		

Compensation for < 80% participation in the hospital (signed by the duty vet)

	Date	Signature
Duty at the hospital/mobile practice		
Duty at the hospital/mobile practice		
Duty at the hospital/mobile practice		
Duty at the hospital/mobile practice		

Specific for Horse hospital (min. 7 should be approved)

Active participation in the following workshops	Date	Signature
Colic		
Diagnostic imaging		
Parasites		
Orthopedic		
Lameness		
Mouth and teeth		
Wound management		
Prepurchase examination		

Specific for Reproduction rotation (all should be approved)

Skills	Level	Date	Signature
Participating in 4 days practical/theoretical teaching at the Aalborg slaughterhouse			
Conduct a proper gynecological rectal examination on three cows on the last course in Aalborg	3		

Reproduction related skills on horse (all has to be approved)

Skills	Level	Date	Signature
Introduce the catheter / swab / biopsy forceps into the uterus of one of the teaching horses	1		
Take a swab from the vagina from the slaughterhouse material	2		
Evaluate the degree of inflammation grading in the endometria by use of microscope	3		
Evaluate the conformation of vulva	3		
Vaginoscopy	1		
Vaginalpalpation	3		
Semencollection from a stallion	1		
Be able to unify an artificial vagina	1		

Selfevaluation (here you assess yourself, put a cross, when you are satisfied)

Skills	**Satisfactory completed**
Evaluation of bodyscore	
Estimation of weight	
Estimation of energy balance and need	
Signalement - horse	
SC injection	
Collection of a fecalsample	
Rectal examination - cow	
Collection of sterile milksamples and evaluation at the laboratorium	
Testing for ketosis	
Introducing a stomachtube in cattle	
Collection and evaluation of rumenfluid	
Evaluating of skin scrapings and “brush test” in the lab	
Measure of PCV and plasma protein in the lab	
Calculation of dose for a standard sedation in a horse	
Calculation of dose for a sedation on cow for standing surgery	
Calculation of dose for a sedation on cow for recumbent surgery	
Calculation of dose for sedation of calves	
Calculation of dose for the most common antibiotics for cattle used in praxis	
Calculation of dose for the most common used antibiotics used in horses	

Short problembased presentation of a patient (horse/production animal) during a round (minimum 3)

Date	Patients name/ID nr	File number	Diagnose / remarks	Signature

Oral or written feedback from the teacher on a full clinical record (horse/production animal) (minimum 2)

Date	Patients name/ID nr	File number		Diagnose / remarks	Signature

Oral or written feedback from another student on a full clinical record (horse/production animal) (minimum 3)

Date	Patients name/ID nr	File number	Diagnose / remarks	Signature + Student ID

External practical training in a large animal practice

	Date	Practice Signature and stamp
Participating in 4 days ”seeing-practice” in a large animal clinic after own choice. **Learning outcomes (from the course description)** Assess and reflect over clientcommunication in relation to achieve: A relevant history and to be sure, that the client understand treatment possibilities for the disease, the prognoses, and the clients responsibility for own treatment and prevention. Assess and reflect on clientcommunication I relation to ethical, economical and legal issues in relation to disease and treatment. Assess and reflect on professional behavior in the practice of large animals, including achieving the highest possible level of hygiene.		

Statement of objectives for the course (see course description)
Learning Objectives:
After completing the course, students should be able to:

Knowledge:
- Use the proper veterinary medical terms to describe diseases, diagnosis, therapy and prophylaxis
- Identify reasons for frequent medical and surgical disorders in large animals
- Diagnose pregnancy and frequent genital disorders in cattle and know the basic insemination techniques of large livestock
- Reflect on disease risk groups, risk factors and prevention
- Reflect on the uncertainty in the diagnosis and prognosis

Skills:
- Preparing accurate records and keep current records in a satisfactory manner understandable to colleagues and the public
- Work effectively in teams
-Be aware of the ethical responsibility of the veterinarian to animals as well as clients, but also generally facing the surrounding community
- Be conscious of the economic and often emotional conditions that apply to veterinarian work
- Be conscious of their professional skills to contribute to the development and improvement of veterinary science for the benefit of animals and the environment

Competencies:
- Ability to record relevant medical history of an animal or a herd
- Handling and restraint of animals correctly and safely, and to instruct others in this
- Perform complete clinical examination
- Participate in emergency work and perform basic first aid
- Removable, store and handle specimens, perform standard laboratory tests and interpret the results of various laboratory tests
- Using X-ray and ultrasound and other technical equipment under the rules of safety that can be used supplementary diagnostic

- Follow proper procedures for dealing with zoonotic diseases
- Apply the principles of aseptic surgery
- Assess and control pain
- Provide guidance in and perform proper treatment
- Assess when euthanasia is indicated, and euthanisia correct, and taking into account the owners' and others' feelings. Security on this and on the disposal of the carcass.
- Minimize the risk of infection and infection by pathogens.

Course attest

General Clinic Practice, Large Animal

Name:_____

Student ID.:_____

Course periode:_____

Approval of satisfactory fulfillment of skills in the logbook:

_____ _____

Date Teachers signature

A. Logbook for EPT during the elective rotations in advanced companion animal clinic and equine clinic

LOGBOOK for veterinary students following the companion animal or equine tracking, Vetschool, UCPH

STUDENT: _____ (Name, student number)

PRACTICE: _____ (Name, address)

SIGNERENDE DYRLÆGE/STEMPEL:_____ (Dato, navn)

Case no	Date	Patient, signalment	Problem list/diagnosis	Diagnostic workup/treatment/follow-up
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				

Case no	Date	Patient, signalment	Problem list/diagnosis	Diagnostic workup/treatment/follow-up
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				

Case no	Date	Patient, signalment	Problem list/diagnosis	Diagnostic workup/treatment/follow-up
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
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70				
71				
72				
73				
74				
75				
76				
77				
78				
79				

Case no	Date	Patient, signalment	Problem list/diagnosis	Diagnostic workup/treatment/follow-up
80				
81				
82				
83				
84				
85				

B. Logbook for EPT project within the elective course in herd health management

Aktivitets- og tidsbudget for individuelt del B-projekt

Skemaet fremsendes til godkendelse hos jpni@sund.ku.dk.

Du er meget velkommen til at komme forbi mit kontor, så vi kan diskutere dine planer, og jeg kan få lidt indsigt i dine tanker.

Fra spillerregler for "del B":

Du skal ved afslutningen af **planlægningen** af Del B præsentere kursuslederen for et budget (= plan), der giver 1) skøn over studenterarbejdstid, der skal opfylde kravet om 110 arbejdstimer jf. ovenstående og 2) skøn over direkte udgifter ved planen. Som en del af den endelige projektrapport (afsluttende rapport) skal planen/budgettet præsenteres sammen med et kortfattet 'regnskab', hvor du angiver begrundelser for væsentlige afvigelser fra budgettet. Planen/budgettet skal som minimum indeholde følgende punkter:

Type af projekt (praktiske færdigheder/dyrlægepraksis, tematisk gruppeprojekt, 'mini-speciale', deltagelse i dele af et formaliseret kursus)
Planlægning, periode samt skøn over tidsforbrug for de enkelte dele samt **tilhørende udgifter. Bemærk**, kursus vil i **muligt omfang** dække direkte udgifter, som de er skønnet i en godkendt plan.
Praktisk forberedelse (aftaler, tilvejebringelse af udstyr, litteratursøgning, evt. rejseplan mv.), periode og skønnet tidsforbrug
Gennemførelse af praktiske aktiviteter, periode og skønnet tidsforbrug
Rapportskrivning, periode og skønnet tidsforbrug

Navn	
Studienummer	
Datoer/periode	
Type af projekt	Erhvervspraktik hos 3 forskellige dyrlægepraksis med fokus på XXX. Projektet vil afhandles som en logbog for aktiviteter i praktikken.
Titel på projekt	

	Beskrivelse af aktivitet	**Antal arbejdstimer***
Forberedelse 1		
Forberedelse 2		
Forberedelse 3		
Forberedelse 4		
Gennemførelse 1		
Gennemførelse 2		
Gennemførelse 3		
Rapportering	Udfylde skriftlig logbog for hver praksisdag. Log-bogen skal indeholde oplysninger om de besøgte besætninger, hvilket arbejde der er udført og beskrivelse af evt. behandlinger. Hvis der ses spændende cases skal disse uddybes og sammenlignes med relevant litteratur.	Ca. 1,5 time pr. praktikdag = 21 timer
Andet		Arbejdstimer i alt =

* Skal være mindst 110 studenterarbejdstimer i alt = 4 ECTS
** Rimelige udgifter vil blive **forsøgt** dækket af kursusbudget

Logbog for praktisk kødkontrol
Praktisk besætningsrådgivning og kødkontrol, SVEK13006U

Studerende:

Studienummer: Navn:

Kursusperiode: Blok:

Kære studerende,

Velkommen til undervisning i praktisk kødkontrol, herunder den praktiske træning på ZBC (Slagteriskolen), Roskilde og kreaturslagteriet i Slangerup.

Gennem den halve dag med praktisk kødkontrol træning på kvæg i Slangerup og den hele dag på svin i Roskilde skal du lære selvstændigt at udføre regelret post-mortem rutinekontrol på hhv. kvæg og svin, samt under supervision at udføre udvidet kontrol af relevante lymfeknuder.

Disse praktiske Dag 1 kompetencer kræves af Fødevarestyrelsen og EAEVE for at kunne opnå autorisation som dyrlæge. Du skal derfor i denne logbog dokumentere, at du har udført disse procedurer.

Logbogen skal præsenteres og afleveres med underskrift til underviseren inden kursusdag.

Post-morten inspektion på kvæg:

Har udført følgende post-morten rutine procedurer (inspektion, palpation, incision) iht. gældende lovgivning af:

[ ] slagtekroppen

[ ] hovedet

[ ] plukset inkl. nyrerne

[ ] mave-tarmsættet

[ ] relevante lymfeknuder i forbindelse med udvidet kødkontrol

Post-morten inspektion på svin:

Har udført følgende post-morten rutine procedurer (inspektion, palpation, incision) iht. gældende lovgivning af:

[ ] slagtekroppen

[ ] plukset

[ ] mave-tarmsættet

[ ] relevante lymfeknuder i forbindelse med udvidet kødkontrol

Dato: _____ Dato:_____

Studerendes underskrift: _____

Appendix 8.2 Reflection paper/ logbook general clinical practice – companion animal

For the external practice rotation, you are required to 1) make a written agreement with the practice host prior to your stay (to be covered by the practice insurance) 2) get a signed evaluation from your practice host (documentation for your stay) and 3) keep a logbook on patients procedures that you see/participate in and to provide reflections on your stay. In the Absalon folder ”Assignments” you will find the documents to download for these tasks. The documents has to be uploaded Friday in block-week 9 the latest, to pass the rotation.

Reflection paper

External practice stay – general clinical practice – companion animal

Logbook	**Signalment:** **Diagnosis/workup/procedure:**
	Signalment: **Diagnosis/workup/procedure:**
	Signalment: **Diagnosis/workup/procedure:**
	Signalment: **Diagnosis/workup/procedure:**
	Signalment: **Diagnosis/workup/procedure:**
	Signalment: **Diagnosis/workup/procedure:**
	Signalment: **Diagnosis/workup/procedure:**

	Signalment: **Diagnosis/workup/procedure:**
	Signalment: **Diagnosis/workup/procedure:**
	Signalment: **Diagnosis/workup/procedure:**
	Signalment: **Diagnosis/workup/procedure:**
	Signalment: **Diagnosis/workup/procedure:**
	Signalment: **Diagnosis/workup/procedure:**
Does the patients in the private practice differ from patients seen at the rotations at the University Hoapital for Companion Animals (UH-CA)? if yes, how?	
What procedures/ workflows worked especially good the private practice – should/could these be implemented at the UH-CA ?	
What procedures/workflows at the UH-CA could the private practice benefit from being implemented	
What is the most important learning that you achieved during your stay?	

Private practice: _____ week:_____

Student name: _____

Student number: _____Date:_____

Instructions

This reflection paper is made for you when you have your external practice rotation. It is meant to help you keep track of the patients and procedures you see and to inspire you to reflect on what you have learnt during your stay in external practice.

Fill in the logbook with signalment of the patients you have been involved in and their diagnosis, workup/procedures and/or treatment.

After your stay, you are asked to briefly reflect on what you have experienced, how was the consultations, the workflow and work environment compared with your experience from the University Hospital for Companion Animals.

The reflection paper is a tool to optimize your learning from external practice rotation. We also hope and expect that you will share your experiences with your fellow students and teachers when on rotations in the University Hospital for Companion Animals

Appendix 8.3. Sheet for workplace assessment of student performance within clinical companion animal rotations

Core clinical roations in general clinical practice, companion animals

Name:		Picture:
	How did it go this week?	What should i focus on?
communication and collaboration		
Theoretical knowledge		
Clinical and professional competences		

Specific focus areas for next week:	1.
	2.
	3.

Below, note name and record number of the patients you have worked with during the week:

It is a prerequisite that Communication and collaboration are satisfactory in order for Clinical skills and Professional competences to be assessed. All point within "Surgical Skills" and "Professional Skills" must be passed.		**Unable to evaluate**		**Can be improved**	**acceptable**
COMMUNICATION AND COLLABORATION	Must be able to communicate with pet owners, staff and fellow students orally and in writing using a professional appearance and terminology				
	Must be able to collaborate efficiently and constructively with pet owners, staff and fellow students				

		Unable to evaluate	**Not passed**	**Passed – can be improved**	**Passed - acceptable**
COMPETENCES	Must be able to record a history and carry out a problem-oriented structured physical examination of the surgical patient with the aim to identify and describe the patient´s problems and to organize diagnostic and treatment plans				
	Must be able to assist in basic surgical procedures while maintaining aseptics and demonstrating proper surical techniques focussing on tissue handling, instrument handling and suturing technique				
KNOWLEDGE	Must be able to discuss physical examination, problem-oriented assessment and clinical decision making of the surgical patient in general companion animal practice				
	Must be able to discuss indications, treatment principles, technical procedures as well as complications and side effects for the commonly occuring surgical ilnesses and treatments – including rehabilitation and bandaging in general companion animal practice				

THE FOLLOWING TOPICS SHOULD BE IMPROVED:	**COMMUNICATION AND COLLABORATION**	The ability to communicate clearly	Argumentation and discussion techniques	Initiative and speed	Collaboration

	PROFESSIONAL KNOWLEDGE	Theoretical knowledge	Making a diagnostic plan	Making a therapeutic plan	professional terminology and journal writing
	CLINICAL COMPETENCES	Patient presentation	Structured examination	Aseptics and hygiene	**TEACHING RESPONSIBLE:**
	SURGICAL TECHNIQUE	Tissue handling	Instrument handl.	Procedures	

Specification of assessment parameters

In this course, the assessment is focussed on the following three main subjects:

Communication and collaboration - Competences - Knowledge

To secure that the learning goals of the course are fulfilled as projected, assessment criteria have been created and below are examples on what behavior is expected or unwanted for the assessment.

Communication and collaboration	
Desirable traits and behaviors	**Undesirable traits and behaviors**
Articulate in a targeted an specific way	Articulation is unclear and vague
Does not use slang words in a professional context	Uses slang words in a professional context
Written records are accurate and without unnecessary filling	Written records are vague and unnecessarily comprehensive
Owner instructions and prescriptions are kept in a business language without professional medical terminology	Owner instructions contain professional medical terminology.
Takes the initiative to initiate and follow-up on agreed approved activities	Awaiting to be started with agreed activities
Keeps oriented about other activities in the hospital	Follows only own patients and appointments
Conducts examinations within a reasonable time to comply with the schedule and appointments in other services	Examinations are initiated to late or take to much time so that other appointments scheduled plans cannot be met
Participate in group discussions on both own and fellow students patients	Only participating in discussions if asked directly

Competences	
Desirable traits and behaviors	**undesirable traits and behaviors**
Organizes examinations so that relevant information is available when the case is discussed with the teachers	Failing to report important examination findings such as rectal temperature – which must then be later obtained
Following correct clinical examination, the clinical findings are correctly assessed to identify the primary problems of the patient	Cannot perform a proper physical examination, overlook or misjudge significant clinical findings
Adheres to safe aseptics and hygiene procedures	Uses incertain or irrelevant/excessive aseptic methods
Uses correct designation and function for the instruments, utensils and suture material used	Uses instruments for wrong procedures
Tissue is handled atraumatically and time for procedures is kept low	Is innecessarily energetic or cautious during surgery

Independently organizes problem-oriented diagnostic plans based on relevant criteria (clinical findings, reasoned suspicions and theoretical arguments)	makes diagnostic plans without coherence with clinical findings or theoretical reasoning
Independently organizes problem-oriented treatment plans based on relevant criteria (clinical findings, reasoned suspicions and theoretical arguments)	Selects treatment without coherence with clinical findings, diagnoses or theoretical reasoning

Professional competences	
Desirable traits and behaviors	**Undesirable traits and behaviors**
Present independently the most important elements of the patient´s problems	Unable to recognize or to the essential professional elementa of the patient´s problems when presented by others
Can independently review the main elements of a current surgery or procedure	Is unprepared for current surgery or procedure and cannot relate to the main elements of the procedure
Uses professional medical terminology	Uses primarily descriptive explanations as substitute for professional medical terminology
Discusses by clearly separating subjective arguments from objective findings and reasoning as part of the clinical decision-making process	The clinical decision making is based primarily on subjective criteria such as the owner´s wishes or current practice conditions

Te og Rl aug 2015 - Rev AW 2019

Kursusevaluering for differentieringen familiedyrssygdomme SVEK13013

Hold Nr.

Studerende:

Studienummer:

Dato: fra _____til_____ _____2016

Fremragende præstation	God præstation	Nogenlunde præstation	Uacceptabel præstation	Bestået
Excellent	**Very good/good**	**Satisfactory**	**Unsatisfactory**	ja / nej
12	**10/7**	**4/02**	**00/-3**	
1. Anamnese/Klinisk undersøgelse og initiel problem liste (IPL)				
Optager fyldestgørende anamnese, udfører en komplet klinisk undersøgelse og formulerer en prioriteret IPL, som beskriver patienternes tilstand med ingen eller få uvæsentlige mangler. ☐	Optager fyldestgørende anamnese, udfører en komplet klinisk undersøgelse og formulerer en prioriteret IPL, som beskriver patienternes tilstand med få eller en del væsentlige mangler. ☐	Optagelse af anamnese, udførelse af kliniske undersøgelse og udformning af IPL er tilstrækkelige, men behæftet med en del væsentlige fejl og mangler. ☐	Optagelse af anamnese, udførelse af den kliniske undersøgelse og udformning af IPL er ofte/i de fleste tilfælde behæftet med væsentlige fejl og mangler. ☐	
2. Patientvurdering (assesment og diagnostisk plan)				
Kan udarbejde en passende diagnostisk plan baseret på korrekt assessment af patientens problemer samt anvendelse af viden om parakliniske tests, deres anvendelsesmuligheder, indikationer og tolkning med ingen eller få uvæsentlige mangler. ☐	Kan udarbejde en passende diagnostisk plan baseret på korrekt assessment af patientens problemer samt anvendelse af viden om parakliniske tests, deres anvendelsesmuligheder, indikationer og tolkning med få eller en del væsentlige mangler. ☐	Patientvurdering og diagnostiske planer er indenfor det acceptable, men der optræder adskillige væsentlige fejl og mangler. ☐	Patientvurdering og diagnostiske planer er ofte/i de fleste tilfælde behæftet med væsentlige fejl og mangler. ☐	
3. Patientvurdering (assessment og terapeutisk plan)				
Kan udarbejde en passende terapeutisk plan baseret på korrekt assessment af patientens problemer og baseret på viden om evidensbaserede terapeutiske muligheder. Der optræder ingen eller få uvæsentlige mangler. ☐	Kan udarbejde en passende terapeutisk plan baseret på korrekt assessment af patientens problemer og baseret på viden om evidensbaserede terapeutiske muligheder. Der optræder få eller en del væsentlige mangler. ☐	Patientvurdering og terapeutiske planer er indenfor det acceptable, men der optræder adskillige væsentlige fejl og mangler. ☐	Patientvurdering og terapeutiske planer er ofte/i de fleste tilfælde behæftet med væsentlige fejl og mangler. ☐	
4. Klientkommunikation (mundtlig og skriftlig)				
Klientkommunikation, mundtlig såvel som skriftlig, inklusiv opfølgning på patienterne, er velformuleret og fyldestgørende med ingen eller få uvæsentlige mangler. ☐	Klientkommunikation, mundtlig såvel som skriftlig, inklusiv opfølgning på patienterne, er velformuleret og fyldestgørende med en del eller få væsentlige mangler. ☐	Klientkommunikation og follow-op information foregår på et acceptabelt niveau, men der optræder adskillige væsentlige fejl og mangler. ☐	Klientkommunikation og opfølgning på patienter er ofte/i de fleste tilfælde behæftet med væsentlige fejl og mangler. ☐	

Er velorganiseret og arbejder effektivt. Har overblik over alle egne patienters problemer og planlagte procedurer. Der optræder ingen eller få uvæsentlige mangler.	Er sædvanligvis velorganiseret og arbejder effektivt. Har generelt overblik over alle egne patienters problemer og planlagte procedurer. Der optræder få eller en del væsentlige mangler.	Den studerende kan virke uorganiseret og ineffektiv. Har et tilstrækkeligt overblik over egne patienters problemer og planlagte procedurer. Der optræder adskillige væsentlige fejl og mangler.	Er ofte uorganiseret og ineffektiv. Mangler overblik over egne patienters problemer og planlagte procedurer. Der optræder ofte/i de fleste tilfælde væsentlige fejl og mangler.	

10. Professionel opførsel og personlig fremtræden

Er særdeles motiveret og udviser en høflig, taktfuld og etisk ansvarlig professionel adfærd. Hjælper gerne til med andres patienter. Der optræder ingen eller få uvæsentlige mangler.	Er motiveret og udviser en høflig, taktfuld og etisk ansvarlig professionel adfærd. Hjælper gerne til med andres patienter om nødvendigt. Der optræder få eller en del væsentlige mangler.	Kan virke umotiveret, men har acceptabel forståelse for etisk ansvarlig professionel adfærd. Der optræder adskillige væsentlige fejl og mangler.	Virker umotiveret og har uacceptabel forståelse for etisk ansvarlig professionel adfærd. Der optræder ofte/i de fleste tilfælde væsentlige fejl og mangler.	

OBS: De 10 kategorier vægter *ikke* ligeligt i den samlede karakter.

Kommentarer:		
Bedømmelse:		**Karakter**
Evalueret af:		

Appendix 9.1. Current academic staff, qualifications, their FTE and departmental affiliations

Employee, name	Position	Section	Dept.	Staff category	FTE
Lars Andresen	Academic coordinator	Section, Experimental Animal Models	D-VAS	Magister	1,0
Eleni Metaxia Maravelia	Academic employee FU	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Magister	0,5
Anne Marie Michelsen	Academic employee FU	Section, Animal Welfare and Disease Control	D-VAS	DVM	0,9
Christel Renée Friborg	Academic employee FU	Section, Comparative Pediatrics and Nutrition	D-VAS	Magister	0,1
Mita Eva Sengupta	Academic employee FU	Section, Parasitology and Aquatic Pathobiology	D-VAS	Magister	0,2
Anja Varmløse Strathe	Assistant prof.	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	1,0
Dan Børge Jensen	Assistant prof.	Section, Production, Nutrition and Health	D-VAS	Ingineer	1,0
Dorte Bay Lastein	Assistant prof.	Section, Production, Nutrition and Health	D-VAS	DVM	1,0
Einar Vargas Bello Perez	Assistant prof.	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	1,0
Eva Johanna Caroline Marcussen	Assistant prof.	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	1,0
Inge Larsen	Assistant prof.	Section, Production, Nutrition and Health	D-VAS	DVM	1,0
Johannes Gulmann Madsen	Assistant prof.	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	0,2
Leonardo Victor de Knegt	Assistant prof.	Section, Production, Nutrition and Health	D-VAS	DVM	0,8
Morteza Mansouryar	Assistant prof.	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	0,9
Nina Dam Otten	Assistant prof.	Section, Animal Welfare and Disease Control	D-VAS	DVM	1,0
Duc Ninh Nguyen	Assistant prof.	Section, Comparative Pediatrics and Nutrition	D-VAS	Magister	1,0
Yanqi Li	Assistant prof.	Section, Comparative Pediatrics and Nutrition	D-VAS	Ingineer	1,0
Gry Freja Skovsted	Assistant prof.	Section, Experimental Animal Models	D-VAS	Pharmacist	1,0
Martin Saxtorph Bojer	Assistant prof.	Section, Food Safety and Zoonoses	D-VAS	Ingineer	1,0
Martin Vestergaard	Assistant prof.	Section, Food Safety and Zoonoses	D-VAS	Ingineer	1,0
Martine Camilla Holst Sørensen	Assistant prof.	Section, Food Safety and Zoonoses	D-VAS	Magister	1,0
Nina Molin Høyland-Kroghsbo	Assistant prof.	Section, Food Safety and Zoonoses	D-VAS	Pharmacist	1,0
Moonika Haahr Marana	Assistant prof.	Section, Parasitology and Aquatic Pathobiology	D-VAS	Magister	0,8
Tina Vicky Alstrup Hansen	Assistant prof.	Section, Parasitology and Aquatic Pathobiology	D-VAS	DVM	-
Kristiane Barington	Assistant prof.	Section, Pathobiological Sciences	D-VAS	DVM	1,0
Ana Herrero Fresno	Assistant prof.	Section, Veterinary Clinical Microbiology	D-VAS	Magister	0,8
Carmen Espinosa Gongora	Assistant prof.	Section, Veterinary Clinical Microbiology	D-VAS	DVM	0,9
Egle Kudirkiene	Assistant prof.	Section, Veterinary Clinical Microbiology	D-VAS	Magister	1,0
Ida Cecilie Naundrup Thøfner	Assistant prof.	Section, Veterinary Clinical Microbiology	D-VAS	DVM	1,0
Kasper Rømer Villumsen	Assistant prof.	Section, Veterinary Clinical Microbiology	D-VAS	Magister	1,0
Louise Ladefoged Poulsen	Assistant prof.	Section, Veterinary Clinical Microbiology	D-VAS	DVM	1,0
Zofia Magnowska	Assistant prof.	Section, Veterinary Clinical Microbiology	D-VAS	Magister	1,0
Hans Henrik Dietz	Associated prof.	D-VAS - Secretariat and Operations	D-VAS	DVM	1,0
Peter Holm	Associated prof.	D-VAS - Secretariat and Operations	D-VAS	DVM	0,6
Arshnee Moodley	Associated prof.	Research Education programmes	D-VAS	Magister	0,8
Anni Øyan Pedersen	Associated prof.	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	1,0
Bjarne Schmidt Bjerg	Associated prof.	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	1,0
Charlotte Amdi Williams	Associated prof.	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	1,0
Hanne Helene Hansen	Associated prof.	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	1,0
Helle Stege	Associated prof.	Section, Production, Nutrition and Health	D-VAS	DVM	1,0
Camilla Vibeke Sichlau Bruun	Associated prof.	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	DVM	1,0
Ernst Stefan Seemann	Associated prof.	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Scholar - Law/Economics	1,0
Jakob Hull Havgaard	Associated prof.	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Magister	1,0
Peter Karlskov-Mortensen	Associated prof.	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	DVM	1,0
Susanna Cirera Salicio	Associated prof.	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Magister	1,0
Helle Lottrup Halkjær Rhode	Associated prof.	Section, Animal Welfare and Disease Control	D-VAS	Magister	1,0
Jens Frederik Gramstrup Agger	Associated prof.	Section, Animal Welfare and Disease Control	D-VAS	DVM	1,0
Jørgen Brockmann Kjær	Associated prof.	Section, Animal Welfare and Disease Control	D-VAS	Agricultural Magister	0,5
Matthew James Denwood	Associated prof.	Section, Animal Welfare and Disease Control	D-VAS	DVM	1,0
Fei Gao	Associated prof.	Section, Comparative Pediatrics and Nutrition	D-VAS	Magister	0,2
Lise Aunsholt	Associated prof.	Section, Comparative Pediatrics and Nutrition	D-VAS	MD	0,1
Stine Brandt Bering	Associated prof.	Section, Comparative Pediatrics and Nutrition	D-VAS	Ingineer	1,0
Camilla Hartmann Friis Hansen	Associated prof.	Section, Experimental Animal Models	D-VAS	DVM	1,0
Dorte Bratbo Sørensen	Associated prof.	Section, Experimental Animal Models	D-VAS	DVM	1,0
Lukasz Krych	Associated prof.	Section, Experimental Animal Models	D-VAS	Magister	0,2
Pernille Yde Tveden-Nyborg	Associated prof.	Section, Experimental Animal Models	D-VAS	DVM	1,0
Dorte Frees	Associated prof.	Section, Food Safety and Zoonoses	D-VAS	Magister	1,0
Henrik Christensen	Associated prof.	Section, Food Safety and Zoonoses	D-VAS	Magister	1,0
Jørgen Johannes Leisner	Associated prof.	Section, Food Safety and Zoonoses	D-VAS	Magister	1,0
Marianne Halberg Larsen	Associated prof.	Section, Food Safety and Zoonoses	D-VAS	DVM	0,7
Andrew Richard Williams	Associated prof.	Section, Parasitology and Aquatic Pathobiology	D-VAS	Agricultural Magister	1,0
Helena Mejer	Associated prof.	Section, Parasitology and Aquatic Pathobiology	D-VAS	Magister	0,9
Louise von Gersdorff Jørgensen	Associated prof.	Section, Parasitology and Aquatic Pathobiology	D-VAS	Magister	1,0
Pascal Magnussen	Associated prof.	Section, Parasitology and Aquatic Pathobiology	D-VAS	Særligt aflønnede	0,2
Per Walter Kania	Associated prof.	Section, Parasitology and Aquatic Pathobiology	D-VAS	Magister	1,0
Adrian Paul Harrison	Associated prof.	Section, Pathobiological Sciences	D-VAS	Magister	1,0
Anne Sofie Vedsted Hammer	Associated prof.	Section, Pathobiological Sciences	D-VAS	DVM	1,0
Esben Østrup	Associated prof.	Section, Pathobiological Sciences	D-VAS	DVM	1,0
Karla Kristine Freude	Associated prof.	Section, Pathobiological Sciences	D-VAS	Magister	1,0
Kirstine Schmidt Callø	Associated prof.	Section, Pathobiological Sciences	D-VAS	Pharmacist	1,0
Lars Jørn Jensen	Associated prof.	Section, Pathobiological Sciences	D-VAS	Magister	1,0
Lotte Bjørg Strøbech	Associated prof.	Section, Pathobiological Sciences	D-VAS	DVM	0,3
Louise Kruse Jensen	Associated prof.	Section, Pathobiological Sciences	D-VAS	DVM	1,0
Mette Sif Hansen	Associated prof.	Section, Pathobiological Sciences	D-VAS	DVM	0,3
Ole Lerberg Nielsen	Associated prof.	Section, Pathobiological Sciences	D-VAS	DVM	0,7
Páll Skúli Leifsson	Associated prof.	Section, Pathobiological Sciences	D-VAS	DVM	1,0
Vanessa Jane Hall	Associated prof.	Section, Pathobiological Sciences	D-VAS	Magister	1,0
Vibeke Sødring Elbrønd	Associated prof.	Section, Pathobiological Sciences	D-VAS	DVM	0,7
Line Elnif Thomsen	Associated prof.	Section, Veterinary Clinical Microbiology	D-VAS	Magister	1,0
Peter Panduro Damborg	Associated prof.	Section, Veterinary Clinical Microbiology	D-VAS	DVM	1,0
Rikke Heidemann Olsen	Associated prof.	Section, Veterinary Clinical Microbiology	D-VAS	DVM	0,5

Tim Troels Bai Duelund Drackenberg	BSc Med. Lab. Tech.	Section, Pathobiological Sciences	D-VAS	BSc Med. Lab. Tech.	0,1
Stine Billeschou Christiansen	Chief consulent	Section, Animal Welfare and Disease Control	D-VAS	DVM	0,7
Søren Fige Jensen	Department administrator	D-VAS - Secretariat and Operations	D-VAS	Agricultural Magister	1,0
Birgit Nørrung	Department Head	D-VAS - Secretariat and Operations	D-VAS	DVM	1,0
Esben Østergaard Eriksen	Ph.d. student	Section, Production, Nutrition and Health	D-VAS	Ph.d. Studerende	0,1
Mossa Merhi Reimert	Ph.d. Studerende	Section, Animal Welfare and Disease Control	D-VAS	Ph.d. Stipendiater	0,7
Frida Caroline Svanberg Frisinger	Ph.d. Studerende	Section, Veterinary Clinical Microbiology	D-VAS	Ph.d. Stipendiater	1,0
Eline Palm Meldgaard	Ph.d.-stipendiat	D-VAS	D-VAS	Ph.d. Stipendiater	-
Anne-Sofie Glavind	Ph.d.-stipendiat	Section, Production, Nutrition and Health	D-VAS	Ph.d. Stipendiater	0,0
Gizaw Dabessa Satessa	Ph.d.-stipendiat	Section, Production, Nutrition and Health	D-VAS	Ph.d. Stipendiater	1,0
Grith Kirkhoff Guldbech	Ph.d.-stipendiat	Section, Production, Nutrition and Health	D-VAS	Ph.d. Stipendiater	0,0
Jensine Wilm	Ph.d.-stipendiat	Section, Production, Nutrition and Health	D-VAS	Ph.d. Stipendiater	0,1
Juan Miguel Peralvo Vidal	Ph.d.-stipendiat	Section, Production, Nutrition and Health	D-VAS	Ph.d. Stipendiater	1,0
Julie Christiane Lynegaard	Ph.d.-stipendiat	Section, Production, Nutrition and Health	D-VAS	Ph.d. Stipendiater	1,0
Malene Kjelin Morsing	Ph.d.-stipendiat	Section, Production, Nutrition and Health	D-VAS	Ph.d. Stipendiater	0,8
Marianne Kjærulf (Navn fra SLS)	Ph.d.-stipendiat	Section, Production, Nutrition and Health	D-VAS	Ph.d. Stipendiater	1,0
Martin Peter Rydal	Ph.d.-stipendiat	Section, Production, Nutrition and Health	D-VAS	Ph.d. Stipendiater	1,0
Rajan Dhakal	Ph.d.-stipendiat	Section, Production, Nutrition and Health	D-VAS	Ph.d. Stipendiater	1,0
Sine Stricker Jakobsen	Ph.d.-stipendiat	Section, Production, Nutrition and Health	D-VAS	Ph.d. Stipendiater	0,8
Adrian Sven Geissler	Ph.d.-stipendiat	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Ph.d. Stipendiater	1,0
Freja Maj Kelleris	Ph.d.-stipendiat	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Ph.d. Stipendiater	0,1
Franziska Hakansson	Ph.d.-stipendiat	Section, Animal Welfare and Disease Control	D-VAS	Ph.d. Stipendiater	1,0
Ida Just Pedersen	Ph.d.-stipendiat	Section, Animal Welfare and Disease Control	D-VAS	Ph.d. Stipendiater	0,7
Ida Sofie Thuesen	Ph.d.-stipendiat	Section, Animal Welfare and Disease Control	D-VAS	Ph.d. Stipendiater	1,0
Charlotte Holme Nielsen	Ph.d.-stipendiat	Section, Comparative Pediatrics and Nutrition	D-VAS	Ph.d. Stipendiater	1,0
Karoline Aasmul-Olsen	Ph.d.-stipendiat	Section, Comparative Pediatrics and Nutrition	D-VAS	Ph.d. Stipendiater	0,9
Nicole Lind Henriksen	Ph.d.-stipendiat	Section, Comparative Pediatrics and Nutrition	D-VAS	Ph.d. Stipendiater	0,9
Alexandra Zisser	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	-
Anna Katrina Jógvansdóttir Gradel	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	0,2
Freja Lea Lüthje	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	0,9
Hannah Louise Zakariassen	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	0,1
Helene Marie Skovsted Eld	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	0,9
Julie Hviid Klæbel	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	0,7
Karina Poulsdóttir Debes	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	-
Kåre Kryger Vøls	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	-
Laura Jul Andreasen	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	1,0
Louise Pedersen	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	1,0
Lykke Boysen	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	-
Maria Bernadette Bergh Ebert	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	0,7
Mie Schou Berke	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	0,3
Pernille Colding-Jørgensen	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	0,1
Rikke Illum Høgh	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	0,8
Sofie Hedlund Møller	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	1,0
Trine Hovmand-Hansen	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	0,7
Victoria Svop Jensen	Ph.d.-stipendiat	Section, Experimental Animal Models	D-VAS	Ph.d. Stipendiater	0,3
Amira Ruslanovna Vitt	Ph.d.-stipendiat	Section, Food Safety and Zoonoses	D-VAS	Ph.d. Stipendiater	1,0
Anaelle Fait	Ph.d.-stipendiat	Section, Food Safety and Zoonoses	D-VAS	Ph.d. Stipendiater	1,0
Camilla Jensen	Ph.d.-stipendiat	Section, Food Safety and Zoonoses	D-VAS	Ph.d. Stipendiater	1,0
Helena Augusta Katharina Leinwebe	Ph.d.-stipendiat	Section, Food Safety and Zoonoses	D-VAS	Ph.d. Stipendiater	1,0
Ida Thalsø-Madsen	Ph.d.-stipendiat	Section, Food Safety and Zoonoses	D-VAS	Ph.d. Stipendiater	0,8
Kasper Mikkelsen	Ph.d.-stipendiat	Section, Food Safety and Zoonoses	D-VAS	Ph.d. Stipendiater	1,0
Kristian Key Milan Thamsborg	Ph.d.-stipendiat	Section, Food Safety and Zoonoses	D-VAS	Ph.d. Stipendiater	0,2
Miguel Villoria Recio	Ph.d.-stipendiat	Section, Food Safety and Zoonoses	D-VAS	Ph.d. Stipendiater	-
Angela Hørdum Valente	Ph.d.-stipendiat	Section, Parasitology and Aquatic Pathobiology	D-VAS	Ph.d. Stipendiater	0,9
Asma Mohammadkarami	Ph.d.-stipendiat	Section, Parasitology and Aquatic Pathobiology	D-VAS	Ph.d. Stipendiater	0,6
Audrey Inge Schytz Andersen-Civil	Ph.d.-stipendiat	Section, Parasitology and Aquatic Pathobiology	D-VAS	Ph.d. Stipendiater	1,0
Azmi Al-Jubury	Ph.d.-stipendiat	Section, Parasitology and Aquatic Pathobiology	D-VAS	Ph.d. Stipendiater	1,0
Charlotte Smith Bonde	Ph.d.-stipendiat	Section, Parasitology and Aquatic Pathobiology	D-VAS	Ph.d. Stipendiater	1,0
Karen Schou Møller	Ph.d.-stipendiat	Section, Parasitology and Aquatic Pathobiology	D-VAS	PH.d on special contract	0,9
Nao Takeuchi-Storm	Ph.d.-stipendiat	Section, Parasitology and Aquatic Pathobiology	D-VAS	Ph.d. Stipendiater	-
Sophie Stolzenbach	Ph.d.-stipendiat	Section, Parasitology and Aquatic Pathobiology	D-VAS	Ph.d. Stipendiater	0,5
Henriette Haukedal	Ph.d.-stipendiat	Section, Pathobiological Sciences	D-VAS	Ph.d. Stipendiater	1,0
Sophie Amalie Blirup-Plum	Ph.d.-stipendiat	Section, Pathobiological Sciences	D-VAS	Ph.d. Stipendiater	1,0
Tobias Borgtoft Bergmann	Ph.d.-stipendiat	Section, Pathobiological Sciences	D-VAS	Ph.d. Stipendiater	1,0
Andreas-Eske Johansen	Ph.d.-stipendiat	Section, Veterinary Clinical Microbiology	D-VAS	Ph.d. Stipendiater	0,0
Yuan Liang	Ph.d.-stipendiat	Section, Veterinary Clinical Microbiology	D-VAS	Ph.d. Stipendiater	0,0
Lene Jung Kjær	Postdoc	D-VAS - Secretariat and Operations	D-VAS	Magister	1,0
Amanda Brinch Kruse	Postdoc	Section, Production, Nutrition and Health	D-VAS	Ingineer	1,0
Pia Brandt	Postdoc	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	0,8
Enrique Gonzalez Tortuero	Postdoc	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Magister	0,9
Nadezhda Tsankova Doncheva	Postdoc	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Magister	0,6
Qianqian Zhang	Postdoc	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Agricultural Magister	-
Veerendra Parsappa Gadekar	Postdoc	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Magister	0,6
Anna Irene Vedel Sørensen	Postdoc	Section, Animal Welfare and Disease Control	D-VAS	Ingineer	0,9
Line Svennesen	Postdoc	Section, Animal Welfare and Disease Control	D-VAS	DVM	0,2
Maya Katrin Gussmann	Postdoc	Section, Animal Welfare and Disease Control	D-VAS	Ingineer	1,0
Per Peetz Nielsen	Postdoc	Section, Animal Welfare and Disease Control	D-VAS	DVM	0,7
Anders Brunse	Postdoc	Section, Comparative Pediatrics and Nutrition	D-VAS	Ingineer	1,0
Jing Sun	Postdoc	Section, Comparative Pediatrics and Nutrition	D-VAS	Magister	1,0
Kristine Holgersen	Postdoc	Section, Comparative Pediatrics and Nutrition	D-VAS	DVM	0,9
Xiaoyu Pan	Postdoc	Section, Comparative Pediatrics and Nutrition	D-VAS	Magister	1,0
Anne Marie Voigt Schou-Pedersen	Postdoc	Section, Experimental Animal Models	D-VAS	Pharmacist	1,0

Caroline Märta Junker Mentzel	Postdoc	Section, Experimental Animal Models	D-VAS	Agricultural Magister	1,0
David Højland Ipsen	Postdoc	Section, Experimental Animal Models	D-VAS	Pharmacist	1,0
Ditte Marie Jensen	Postdoc	Section, Experimental Animal Models	D-VAS	Pharmacist	0,7
Kenneth Klingenberg Barfod	Postdoc	Section, Experimental Animal Models	D-VAS	Magister	0,9
Line Sidsel Fisker Zachariassen	Postdoc	Section, Experimental Animal Models	D-VAS	DVM	0,8
Liselotte Bruun Christiansen	Postdoc	Section, Experimental Animal Models	D-VAS	DVM	1,0
Maria Josefine Ubbe Reimann	Postdoc	Section, Experimental Animal Models	D-VAS	DVM	0,4
Md Zohorul Islam	Postdoc	Section, Experimental Animal Models	D-VAS	Magister	0,6
Sarah Line Skovbakke	Postdoc	Section, Experimental Animal Models	D-VAS	Magister	0,4
Athina Zampara	Postdoc	Section, Food Safety and Zoonoses	D-VAS	Magister	0,4
Bhuvanesh Omkumar Awasthi	Postdoc	Section, Food Safety and Zoonoses	D-VAS	Magister	0,7
Bolette Skive	Postdoc	Section, Food Safety and Zoonoses	D-VAS	DVM	1,1
Janine Zara Bowring	Postdoc	Section, Food Safety and Zoonoses	D-VAS	Magister	1,0
Mara Baldry	Postdoc	Section, Food Safety and Zoonoses	D-VAS	Magister	1,0
Michela Gambino	Postdoc	Section, Food Safety and Zoonoses	D-VAS	Pharmacist	1,0
Stephen James Ahern	Postdoc	Section, Food Safety and Zoonoses	D-VAS	Magister	-
Ying Wang	Postdoc	Section, Food Safety and Zoonoses	D-VAS	Magister	0,6
Jiwan Kumar Chettri	Postdoc	Section, Parasitology and Aquatic Pathobiology	D-VAS	Magister	0,1
Laura Jessica Myhill	Postdoc	Section, Parasitology and Aquatic Pathobiology	D-VAS	Magister	0,7
Pankaj Arora	Postdoc	Section, Parasitology and Aquatic Pathobiology	D-VAS	Magister	0,4
Rezkar Jaafar Mohammad	Postdoc	Section, Parasitology and Aquatic Pathobiology	D-VAS	Magister	0,5
Abinaya Chandrasekaran	Postdoc	Section, Pathobiological Sciences	D-VAS	Magister	1,0
Emma Kathrine Lorenzen	Postdoc	Section, Pathobiological Sciences	D-VAS	DVM	-
Lais Vicari De Figueiredo Pessoa	Postdoc	Section, Pathobiological Sciences	D-VAS	DVM	0,3
Merle Friederike Fenner	Postdoc	Section, Pathobiological Sciences	D-VAS	DVM	0,5
Rupali Vohra Thomsen	Postdoc	Section, Pathobiological Sciences	D-VAS	Læger v. højere udd.ins.	0,7
Vahid Najafzadeh	Postdoc	Section, Pathobiological Sciences	D-VAS	Magister	0,7
Ann Sofie Kjærgaard Olesen	Postdoc	Section, Veterinary Clinical Microbiology	D-VAS	DVM	0,7
Fabio Antenucci	Postdoc	Section, Veterinary Clinical Microbiology	D-VAS	Magister	1,0
Gang Liu	Postdoc	Section, Veterinary Clinical Microbiology	D-VAS	DVM	0,2
Graham John Belsham	Professor	D-VAS - Secretariat and Operations	D-VAS	Magister	0,4
Jens Ole Plum Lykkesfeldt	Professor	Reseach Education Programmes	D-VAS	Ingineer	1,0
Anders Ringgaard Kristensen	Professor	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	1,0
Ken Steen Pedersen	Professor	Section, Production, Nutrition and Health	D-VAS	DVM	0,3
Mette Benedicte Olaf Nielsen	Professor	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	0,8
Jan Gorodkin	Professor	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Magister	1,0
Merete Fredholm	Professor	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	DVM	1,0
Björn Anders Forkman	Professor	Section, Animal Welfare and Disease Control	D-VAS	Magister	1,0
Peter Sandøe	Professor	Section, Animal Welfare and Disease Control	D-VAS	Magister	0,5
Søren Saxmose Nielsen	Professor	Section, Animal Welfare and Disease Control	D-VAS	DVM	1,0
Per Torp Sangild	Professor	Section, Comparative Pediatrics and Nutrition	D-VAS	Agricultural Magister	1,0
Axel Jacob Kornerup Hansen	Professor	Section, Experimental Animal Models	D-VAS	DVM	1,0
Hanne Frøkiær	Professor	Section, Experimental Animal Models	D-VAS	Ingineer	1,0
Lisbeth Højer Olsen	Professor	Section, Experimental Animal Models	D-VAS	DVM	1,0
Søren Skov	Professor	Section, Experimental Animal Models	D-VAS	Magister	1,0
Anders Dalsgaard	Professor	Section, Food Safety and Zoonoses	D-VAS	DVM	1,0
Hanne Ingmer	Professor	Section, Food Safety and Zoonoses	D-VAS	Ingineer	1,0
Hans Houe	Professor	Section, Food Safety and Zoonoses	D-VAS	DVM	1,0
Jens Peter Nielsen	Professor	Section, Food Safety and Zoonoses	D-VAS	DVM	1,0
John Elmerdahl Olsen	Professor	Section, Food Safety and Zoonoses	D-VAS	DVM	1,0
Kåre Mølbak	Professor	Section, Food Safety and Zoonoses	D-VAS	Læger v. højere udd.ins.	0,1
Liza Rosenbaum Nielsen	Professor	Section, Food Safety and Zoonoses	D-VAS	DVM	1,0
Stig Milan Thamsborg	Professor	Section, Food Safety and Zoonoses	D-VAS	DVM	1,0
Birgitte Jyding Vennervald	Professor	Section, Parasitology and Aquatic Pathobiology	D-VAS	MD	0,9
Kurt Buchmann	Professor	Section, Parasitology and Aquatic Pathobiology	D-VAS	Magister	1,0
Maria Vang Johansen	Professor	Section, Parasitology and Aquatic Pathobiology	D-VAS	DVM	1,0
Dan Arne Klærke	Professor	Section, Pathobiological Sciences	D-VAS	MD	1,0
Henrik Michael Elvang Jensen	Professor	Section, Pathobiological Sciences	D-VAS	DVM	1,0
Poul Hyttel	Professor	Section, Pathobiological Sciences	D-VAS	DVM	1,0
Preben Dybdahl Thomsen	Professor	Section, Pathobiological Sciences	D-VAS	DVM	1,0
Anders Miki Bojesen	Professor	Section, Veterinary Clinical Microbiology	D-VAS	DVM	1,0
Lars Erik Larsen	Professor	Section, Veterinary Clinical Microbiology	D-VAS	DVM	0,7
Anette Gleitze Bøtner	Professor Mso	D-VAS - Secretariat and Operations	D-VAS	DVM	0,1
Tariq Hisham Beshara Halasa	Professor Mso	D-VAS - Secretariat and Operations	D-VAS	Magister	0,8
Volker Krömker	Professor MSO	Section, Production, Nutrition and Health	D-VAS	DVM	0,3
Claus Bøttcher Jørgensen	Professor Mso	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Agricultural Magister	1,0
Thomas Thymann	Professor Mso	Section, Comparative Pediatrics and Nutrition	D-VAS	DVM	1,0
Lone Brøndsted	Professor Mso	Section, Food Safety and Zoonoses	D-VAS	Ingineer	1,0
Jens Peter Christensen	Professor Mso	Section, Veterinary Clinical Microbiology	D-VAS	DVM	1,0
Luca Guardabassi	Professor Mso	Section, Veterinary Clinical Microbiology	D-VAS	DVM	0,5
Malene Skovsted Cilieborg	Project coordinator	Section, Comparative Pediatrics and Nutrition	D-VAS	Ingineer	0,6
Annika Kistrup Normann Andersen	Research assistant	D-VAS - Secretariat and Operations	D-VAS	Magister	1,0
Christina Larsen	Research assistant	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	0,3
Jeff Hindsborg	Research assistant	Section, Production, Nutrition and Health	D-VAS	Ingineer	1,0
Maiken Christina N Engelsmann	Research assistant	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	0,0
Matias Grønvig (Navn fra SLS)	Research assistant	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	0,2
Nina Vibeke Mieritz	Research assistant	Section, Production, Nutrition and Health	D-VAS	Magister	0,9
Sheeva Bhattarai	Research assistant	Section, Production, Nutrition and Health	D-VAS	DVM	1,0
Stephanie Fischer Gabel	Research assistant	Section, Production, Nutrition and Health	D-VAS	Agricultural Magister	0,2
Emirhan Tasöz	Research assistant	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Magister	-
Oana Palasca	Research assistant	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Magister	0,2
Janne Barner Hanquist Jensen	Research assistant	Section, Animal Welfare and Disease Control	D-VAS	Agricultural Magister	0,2

Masja Feline Reipurth Søndergaard	Research assistant	Section, Animal Welfare and Disease Control	D-VAS	Agricultural Magister	1,0
Shuqiang Ren	Research assistant	Section, Comparative Pediatrics and Nutrition	D-VAS	Agricultural Magister	0,2
Tik Muk	Research assistant	Section, Comparative Pediatrics and Nutrition	D-VAS	Agricultural Magister	0,2
Ann Laigaard	Research assistant	Section, Experimental Animal Models	D-VAS	DVM	0,3
Katrine Hartfelt	Research assistant	Section, Experimental Animal Models	D-VAS	Agricultural Magister	0,3
Michelle Lauge Quaade	Research assistant	Section, Experimental Animal Models	D-VAS	DVM	1,0
Sofie Kromann	Research assistant	Section, Experimental Animal Models	D-VAS	DVM	0,1
Stine Dam Jepsen	Research assistant	Section, Experimental Animal Models	D-VAS	DVM	0,5
Ahlam Musaibeh M Alsaadi	Research assistant	Section, Food Safety and Zoonoses	D-VAS	Magister	0,3
Harun Kücükyildiz	Research assistant	Section, Food Safety and Zoonoses	D-VAS	Magister	0,3
Pai Peng	Research assistant	Section, Food Safety and Zoonoses	D-VAS	Magister	0,1
Shifu Peng	Research assistant	Section, Food Safety and Zoonoses	D-VAS	Magister	0,1
Sulaiman Mohammed I Alotaibi	Research assistant	Section, Food Safety and Zoonoses	D-VAS	Magister	0,1
Hannah Malene Jensen	Research assistant	Section, Parasitology and Aquatic Pathobiology	D-VAS	Magister	0,6
Heidi Mathiessen	Research assistant	Section, Parasitology and Aquatic Pathobiology	D-VAS	Agricultural Magister	0,7
Shaozhi Zuo	Research assistant	Section, Parasitology and Aquatic Pathobiology	D-VAS	Agricultural Magister	0,2
Henriette Reventlow S Frederiksen	Research assistant	Section, Pathobiological Sciences	D-VAS	Pharmacist	0,3
Karen Pankoke	Research assistant	Section, Pathobiological Sciences	D-VAS	DVM	0,5
Yong Liu	Research assistant	Section, Pathobiological Sciences	D-VAS	Magister	0,3
Kaisong Huang	Research assistant	Section, Veterinary Clinical Microbiology	D-VAS	DVM	0,3
Pia Ryt-Hansen	Research assistant	Section, Veterinary Clinical Microbiology	D-VAS	DVM	0,2
Anette Ella Boklund	Senior adviser	D-VAS - Secretariat and Operations	D-VAS	DVM	0,7
Niels Jakob Lund Birn	Senior adviser	D-VAS - Secretariat and Operations	D-VAS	Magister	0,5
Peter Rekve	Senior adviser	D-VAS - Secretariat and Operations	D-VAS	Scholar - Law/Economics	0,3
Betina Wingreen Jensen	Senior adviser	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Magister	1,0
René Bødker	Senior researcher	D-VAS - Secretariat and Operations	D-VAS	Magister	0,8
Carsten Thure Kirkeby	Senior researcher	Section, Animal Welfare and Disease Control	D-VAS	Magister	1,0
Joanna Klaaborg	Student employee	Section, Production, Nutrition and Health	D-VAS	Clerc	0,6
Frederik Stig Scharling	Teacher's assistant	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Student tutor	0,0
Line Sass Kierkegaard	Teacher's assistant	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Student tutor	0,0
Lizette Vestergaard Pedersen	Teacher's assistant	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Student tutor	0,0
Ole Ulloriaq Lønberg-Jensen	Teacher's assistant	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Student tutor	0,0
Therese Emilie Glar Fitzwilliams	Teacher's assistant	Section, Animal Genetics, Bioinformatics and Breeding	D-VAS	Student tutor	0,0
Ole Stærk Nicolajsen	Teacher's assistant	Section, Animal Welfare and Disease Control	D-VAS	Student tutor	0,0
Sidsel Normann Jensen	Teacher's assistant	Section, Animal Welfare and Disease Control	D-VAS	Student tutor	0,0
Adam Gulmann	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,0
Anne Frank Gallagher Vom Braucke	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,1
Emilie Sandager Vernersen	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,1
Emma Blok-Husum	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,0
Esther Johanne Hvidtfeldt	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,0
Jakob Overgaard Larsen	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,2
Jonathan Ingerslev Christensen	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,1
Josefine Natalie Synnestvedt	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,1
Julia Thyra Wood Eidsmo	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,0
Kim Thyrrestrup	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,0
Laura Signe Wiberg Hansen	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,1
Lea Hau Andersen	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,0
Lene Kirk Therkildsen	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,0
Line Bøgelund Pedersen	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,0
Maria Juul Christoffersen	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,1
Mathilde Luth Møller-Petersen	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,0
Nicoline Siebken Skandov	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,0
Signe Leth Christensen	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,1
Simon Libak Haugaard	Teacher's assistant	Section, Pathobiological Sciences	D-VAS	Student tutor	0,0
Jesper Rasmussen	Visiting teacher	Section, Production, Nutrition and Health	D-VAS	Academic paid by hour	0,0
Peder Nørgaard	Visiting teacher	Section, Production, Nutrition and Health	D-VAS	Academic paid by hour	0,0
Bengt Holst	Visiting teacher	Section, Animal Welfare and Disease Control	D-VAS	Academic paid by hour	0,0
Jan Lund Ottesen	Visiting teacher	Section, Animal Welfare and Disease Control	D-VAS	Academic paid by hour	0,0
Rasmus Klim Christensen	Visiting teacher	Section, Animal Welfare and Disease Control	D-VAS	Academic paid by hour	0,0
Søren Aabo	Visiting teacher	Section, Animal Welfare and Disease Control	D-VAS	Academic paid by hour	0,0
Jens Hannibal	Visiting teacher	Section, Experimental Animal Models	D-VAS	Academic paid by hour	0,0
Anna Charlotte Schultz	Visiting teacher	Section, Food Safety and Zoonoses	D-VAS	Academic paid by hour	0,0
Hanne Reedtz Madsen	Visiting teacher	Section, Food Safety and Zoonoses	D-VAS	Academic paid by hour	0,0
Hanne-Dorthe Emborg	Visiting teacher	Section, Food Safety and Zoonoses	D-VAS	Academic paid by hour	0,0
Karen Merete Edelenbos	Visiting teacher	Section, Food Safety and Zoonoses	D-VAS	Academic paid by hour	0,0
Lis Marianne Alban	Visiting teacher	Section, Food Safety and Zoonoses	D-VAS	Academic paid by hour	0,0
Lisbeth Truelstrup Hansen	Visiting teacher	Section, Food Safety and Zoonoses	D-VAS	Academic paid by hour	0,0
Maarten Johannes Nauta	Visiting teacher	Section, Food Safety and Zoonoses	D-VAS	Academic paid by hour	0,0
Paw Dalgaard	Visiting teacher	Section, Food Safety and Zoonoses	D-VAS	Academic paid by hour	0,0
Per Håkan Vigre	Visiting teacher	Section, Food Safety and Zoonoses	D-VAS	Academic paid by hour	0,0
Peter Have	Visiting teacher	Section, Food Safety and Zoonoses	D-VAS	Academic paid by hour	0,0
Sara Neves da Costa Monteiro Pires	Visiting teacher	Section, Food Safety and Zoonoses	D-VAS	Academic paid by hour	0,0
Birgitte Bruun Haahr Kallipolitis	Visiting teacher	Section, Veterinary Clinical Microbiology	D-VAS	Academic paid by hour	0,0
Lars Jelsbak	Visiting teacher	Section, Veterinary Clinical Microbiology	D-VAS	Academic paid by hour	0,0
Lotte Jelsbak	Visiting teacher	Section, Veterinary Clinical Microbiology	D-VAS	Academic paid by hour	0,0
Iben Maj Halling Thomsen	Academic employee FU	Section for Medicine og Surgery (large animals)	D-VCS	DVM	0,1
Julie Marie Krog Nielsen	Assistant lecturer	Section for Medicine og Surgery (large animals)	D-VCS	DVM paid by hour	0,7
Katrine Toft Nielsen	Assistant lecturer	Section for Medicine og Surgery (large animals)	D-VCS	DVM paid by hour	0,9
Dorte Hald Nielsen	Assistant lecturer	Section for Veterinary Imaging	D-VCS	DVM	0,6
Tine Louise Søland	Assistant lecturer	VTH for Large Animals	D-VCS	DVM	1,0
Kirstin Dahl-Pedersen	Assistant prof.	Section for Medicine og Surgery (large animals)	D-VCS	DVM	0,9
Mette Bisgaard Petersen	Assistant prof.	Section for Medicine og Surgery (large animals)	D-VCS	DVM	1,0

Mette Schjærff	Assistant prof.	Section for Medicine, Oncology og Clinical Pathology	D-VCS	DVM	1,0
Anna Vilhelmina Müller	Assistant prof.	Section for Veterinary Imaging	D-VCS	DVM	1,0
Jan Bojsen-Møller Secher	Assistant prof.	Section for Veterinary Reproduction & Obstetrics	D-VCS	DVM	1,0
Anne Kirstine Havnsøe Krogh	Assistant prof.	Veterinary Diagnostic Laboratorium	D-VCS	DVM	1,0
Clara Büchner Marschner	Assistant prof.	Veterinary Diagnostic Laboratorium	D-VCS	DVM	0,9
Betina Børresen	Assistant prof.	VTH for Companion Animals	D-VCS	DVM	1,0
Nana Hee Dupont	Assistant prof.	VTH for Companion Animals	D-VCS	DVM	1,0
Tina Møller Sørensen	Assistant prof.	VTH for Companion Animals	D-VCS	DVM	1,0
Ditte Marie Adler (Navn fra SLS)	Assistant prof.	VTH for Large Animals	D-VCS	DVM	1,0
Sanni Hansen	Assistant prof.	VTH for Large Animals	D-VCS	DVM	1,0
Julie Fjeldborg	Associated prof.	Section for Medicine og Surgery (large animals)	D-VCS	DVM	1,0
Lise Charlotte Berg	Associated prof.	Section for Medicine og Surgery (large animals)	D-VCS	DVM	1,0
Nynne Capion	Associated prof.	Section for Medicine og Surgery (large animals)	D-VCS	DVM	1,0
Lisbeth Rem Jessen	Associated prof.	Section for Medicine, Oncology og Clinical Pathology	D-VCS	DVM	1,0
Maja Louise Arendt	Associated prof.	Section for Medicine, Oncology og Clinical Pathology	D-VCS	DVM	1,2
Hanne Birgit Gredal	Associated prof.	Section for Surgery, Neurology & Cardiology	D-VCS	DVM	1,0
Rikke Langebæk	Associated prof.	Section for Surgery, Neurology & Cardiology	D-VCS	DVM	1,0
Thomas Eriksen	Associated prof.	Section for Surgery, Neurology & Cardiology	D-VCS	DVM	1,0
Lene Elisabeth Buelund	Associated prof.	Section for Veterinary Imaging	D-VCS	DVM	1,0
Mette Christoffersen	Associated prof.	Section for Veterinary Reproduction & Obstetrics	D-VCS	DVM	1,0
Thomas Bøker Lund	Associated prof.	Section for Veterinary Reproduction & Obstetrics	D-VCS	Scholar - Law/Economics	0,0
Jakob Willesen	Associated prof.	VTH for Companion Animals	D-VCS	DVM	1,0
James Edward Miles	Associated prof.	VTH for Companion Animals	D-VCS	DVM	1,0
Rebecca Langhorn	Associated prof.	VTH for Companion Animals	D-VCS	DVM	0,8
Charlotte C S Hopster-Iversen	Associated prof.	VTH for Large Animals	D-VCS	DVM	1,0
Gabriel Cuevas Ramos	Associated prof.	VTH for Large Animals	D-VCS	DVM	1,0
Hanne Gervi Pedersen	Associated prof.	VTH for Large Animals	D-VCS	DVM	1,0
Tina Holberg Pihl	Associated prof.	VTH for Large Animals	D-VCS	DVM	1,0
Anne Sofie Gravgaard	Clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	0,6
Aviaja Højegaard Ammentorp	Clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	0,3
Heidi Hansen	Clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Ida Beyer	Clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Janni Poulsen	Clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	0,8
Josephine Anastasia Niepoort	Clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Katrine Astrid Øhlers Aagaard	Clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	0,4
Matilda Eva Karolina Hedström	Clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Matilde Kirstine Poulsen	Clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Pernille Lindholm Heidemann	Clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	0,1
Rebecca Spangsberg	Clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Tove Maria Hultman	Clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	0,5
Anna Malin Karlsson	Clinical veterinarian	VTH for Large Animals	D-VCS	DVM	0,4
Anne Frida Friis Zaluha Pedersen	Clinical veterinarian	VTH for Large Animals	D-VCS	DVM	0,2
Frederikke Sofie Foged	Clinical veterinarian	VTH for Large Animals	D-VCS	DVM	0,1
Freja Broe Hjerpe	Clinical veterinarian	VTH for Large Animals	D-VCS	DVM	0,2
Ida-Marie Holm Henriksen Boll	Clinical veterinarian	VTH for Large Animals	D-VCS	DVM	0,1
Kira Madsen	Clinical veterinarian	VTH for Large Animals	D-VCS	DVM	1,0
Kirsten Bomberg Ravn	Clinical veterinarian	VTH for Large Animals	D-VCS	DVM	0,8
Lea Holm Thorup	Clinical veterinarian	VTH for Large Animals	D-VCS	DVM	0,9
Lea Poulsen	Clinical veterinarian	VTH for Large Animals	D-VCS	DVM	0,3
Marie Hallager Askholm	Clinical veterinarian	VTH for Large Animals	D-VCS	DVM	0,2
Susan Brix Kronborg	Clinical veterinarian	VTH for Large Animals	D-VCS	DVM	0,5
Helle Frisenborg Marker	Department administrator	D-VCS - Secretariat & Operations	D-VCS	Scholar - Law/Economics	1,0
Asger Lundorff Jensen	Department Head	D-VCS - Secretariat & Operations	D-VCS	DVM	1,0
Jørgen Mikkelsen	Ekstern lecurer	Section for Medicine, Oncology og Clinical Pathology	D-VCS	Ekstern lecturer	0,2
Merete Holst Nissen	Hospital Director	VTH for Companion Animals	D-VCS	DVM	1,0
Maria Susanne Nautrup Olsen	Hospital Director	VTH for Large Animals	D-VCS	DVM	1,0
Martin Borg Lauritzen	Operation manager	VTH for Large Animals	D-VCS	Magister	1,0
Else Marie Bollerup Walters	Ph.d.-stipendiat	Section for Medicine og Surgery (large animals)	D-VCS	Ph.d. Stipendiater	0,9
Jasmin Bagge	Ph.d.-stipendiat	Section for Medicine og Surgery (large animals)	D-VCS	Ph.d. Stipendiater	1,0
Sara Lee Munch	Ph.d.-stipendiat	Section for Medicine og Surgery (large animals)	D-VCS	Ph.d. Stipendiater	1,0
Janne Graarup Hansen Lyngby	Ph.d.-stipendiat	Section for Medicine, Oncology og Clinical Pathology	D-VCS	Ph.d. Stipendiater	0,5
Monica Nielsen	Ph.d.-stipendiat	Section for Medicine, Oncology og Clinical Pathology	D-VCS	Ph.d. Stipendiater	0,2
Astrid Skovmand	Ph.d.-stipendiat	Section for Veterinary Reproduction & Obstetrics	D-VCS	Ph.d. Stipendiater	0,2
Arnela Saljic	Postdoc	Section for Medicine og Surgery (large animals)	D-VCS	Pharmacist	0,2
Helena Carstensen	Postdoc	Section for Medicine og Surgery (large animals)	D-VCS	DVM	1,0
Louise Bundgaard	Postdoc	Section for Medicine og Surgery (large animals)	D-VCS	DVM	0,5
Merle Friederike Fenner	Postdoc	Section for Medicine og Surgery (large animals)	D-VCS	DVM	0,2
Ida Nordang Kieler	Postdoc	Section for Medicine, Oncology og Clinical Pathology	D-VCS	DVM	1,0
Signe Emilie Cremer	Postdoc	Section for Medicine, Oncology og Clinical Pathology	D-VCS	DVM	1,0
Barbara Blicher Thomsen	Postdoc	Section for Surgery, Neurology & Cardiology	D-VCS	DVM	0,8
Mette Flethøj Madsen	Postdoc	VTH for Large Animals	D-VCS	DVM	0,1
Annemarie Thuri Kristensen	Professor	Section for Medicine, Oncology og Clinical Pathology	D-VCS	DVM	1,0
Charlotte Reinhard Bjørnvad	Professor	Section for Medicine, Oncology og Clinical Pathology	D-VCS	DVM	1,0
Mette Berendt	Professor	Section for Surgery, Neurology & Cardiology	D-VCS	DVM	1,0
Fintan McEvoy	Professor	Section for Veterinary Imaging	D-VCS	DVM	1,0
Jørgen Steen Agerholm	Professor	Section for Veterinary Reproduction & Obstetrics	D-VCS	DVM	1,0
Stine Jacobsen	Professor	VTH for Large Animals	D-VCS	DVM	1,0
Rikke Buhl	Professor Mso	Section for Medicine og Surgery (large animals)	D-VCS	DVM	1,0
Jørgen Koch	Professor Mso	Section for Surgery, Neurology & Cardiology	D-VCS	DVM	1,0
Lise Nikolic Nielsen	Professor Mso	Veterinary Diagnostic Laboratorium	D-VCS	DVM	1,0
Casper Lindegaard	Professor Mso	VTH for Large Animals	D-VCS	DVM	1,0
Sophie Emilie Søborg Agger	Research assistant	Section for Medicine, Oncology og Clinical Pathology	D-VCS	DVM	0,0

Maria Søndergaard Thøfner	Research assistant	Section for Surgery, Neurology & Cardiology	D-VCS	DVM	0,2
Nanna Jacobsen	Research assistant	VTH for Companion Animals	D-VCS	DVM	1,0
Elin Lisby Kastbjerg Jørgensen	Research assistant	VTH for Large Animals	D-VCS	DVM	0,3
Anna Christine Löf	Senior adviser	D-VCS - Secretariat & Operations	D-VCS	DVM	0,5
Camilla Louise Høgenhav Mikkelsen	Senior adviser	D-VCS - Secretariat & Operations	D-VCS	Scholar - Law/Economics	1,0
Kathrine Stenberg Jensen	Senior clinical veterinarian	Section for Medicine, Oncology og Clinical Pathology	D-VCS	DVM	0,6
Ulrik Westrup	Senior clinical veterinarian	Section for Veterinary Imaging	D-VCS	DVM	0,4
Jo Fjeldsted-Holm Lundsgaard	Senior clinical veterinarian	Veterinary Diagnostic Laboratorium	D-VCS	DVM	1,0
Anne Désiré Vitger	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Anne Marie Fog Sandal	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	0,2
Asger von Wenck	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	0,5
Betina Posgaard	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	0,7
Camilla Elberg Nielsen	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Christina Schøier	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Ditte Erika Leth Vasby	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Emilie Ulrikka Andersen-Ranberg	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Gorm Bastholm Helledi	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	0,4
Hanne Ellen Kortegaard	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Helle Harding Poulsen	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Kathrine Højte Dahl	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	0,7
Mai Louise Grandsgaard Mikkelsen	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Maja Allpass	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	0,9
Mette Lybek Rueløkke	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Michelle Brønniche Møller Nielsen	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	0,7
Michelle Lindeholm Pedersen	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	0,1
Ragnhild Skogstrøm Gundersen	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Regitze Andersen	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	0,8
Ylva Lovisa Margareta Winsborg	Senior clinical veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Carsten Thomsen	Senior clinical veterinarian	VTH for Large Animals	D-VCS	DVM	1,0
Louise Wagner Hansen	Senior clinical veterinarian	VTH for Large Animals	D-VCS	DVM	0,6
Mogens Teken Christophersen	Senior clinical veterinarian	VTH for Large Animals	D-VCS	DVM	1,0
Niels Sjøbro Nielsen	Senior clinical veterinarian	VTH for Large Animals	D-VCS	DVM	1,0
Sigrid Hyldahl Laursen	Senior clinical veterinarian	VTH for Large Animals	D-VCS	DVM	0,9
Stine Østergaard	Senior clinical veterinarian	VTH for Large Animals	D-VCS	DVM	1,0
Jimmy Bøjesen	Teacher's assistant	Section for Medicine, Oncology og Clinical Pathology	D-VCS	Student tutor	0,0
Kasper Mehl Rasmussen	Teacher's assistant	Section for Medicine, Oncology og Clinical Pathology	D-VCS	Student tutor	0,0
Martin Schou Niemann	Teacher's assistant	Section for Medicine, Oncology og Clinical Pathology	D-VCS	Student tutor	0,0
Marika Niemann Kristensen	Teacher's assistant	Section for Surgery, Neurology & Cardiology	D-VCS	Student tutor	0,0
Tina Angelica Zareba	Teacher's assistant	Section for Surgery, Neurology & Cardiology	D-VCS	Student tutor	0,0
Lene Bregnholt Larsen	Veterinarian	Section for Medicine og Surgery (large animals)	D-VCS	DVM	1,0
Lotte Davies	Veterinarian	Section for Medicine, Oncology og Clinical Pathology	D-VCS	DVM	0,3
Nicole Frost Nyquist	Veterinarian	Section for Medicine, Oncology og Clinical Pathology	D-VCS	DVM	0,4
Stinna Nybroe	Veterinarian	Section for Medicine, Oncology og Clinical Pathology	D-VCS	DVM	1,0
Bodil Cathrine Koch	Veterinarian	Section for Surgery, Neurology & Cardiology	D-VCS	DVM	0,7
Clara Matilda Allberg	Veterinarian	Section for Veterinary Imaging	D-VCS	DVM	1,0
Lilah Margaret Moorman	Veterinarian	Section for Veterinary Imaging	D-VCS	DVM	1,0
Anders Simon Schrøder	Veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Anna Jonasson Stender	Veterinarian	VTH for Companion Animals	D-VCS	DVM	0,7
Frida Susanna Moberg	Veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Pernille Holst	Veterinarian	VTH for Companion Animals	D-VCS	DVM	1,0
Iben Helene Coakley Meyer	Visiting teacher	Section for Medicine, Oncology og Clinical Pathology	D-VCS	Academic paid by hour	0,0
Pernille Blok-Riisom	Visiting teacher	Section for Medicine, Oncology og Clinical Pathology	D-VCS	Academic paid by hour	0,0

The table above can be downloaded here

Appendix 9.2 – List of European and American Veterinary Diplomates at UCPH Vetschool

UCPH-VET Diplomates, European Board of Veterinary Specialisation (EBVS) and American Board of Veterinary Specialities (ABVS)

European College of Animal Reproduction (ECAR)
Professor, Poul Maddox-Hyttel, DVM, PhD, DVSc, DipECAR
Associate Professor, Hanne Gervi Pedersen, DVM, PhD, DipECAR

European College of Animal Welfare and Behavioural Medicine (ECAWBM)
EBVS Specialist in Animal Welfare Science
Assistant Professor, Nina Dam Otten, DVM, PhD, DipECAWS

European College of Equine Internal Medicine (ECEIM)
Associate Professor, Charlotte Hopster-Iversen, DVM, PhD, DipECEIM

European College of Laboratory Animal Medicine (ECLAM)
Professor, Axel Kornerup Hansen, DVM, DVSc, DipECLAM

European College of Porcine Health Management (ECPHM)
Professor, Jens Peter Nielsen, DVM, PhD, DipECPHM
Professor, Lars Erik Larsen, DVM, PhD, DipECPHM
Associate Professor, Helle Stege, DVM, PhD, DipECPHM
Professor, Ken Steen Pedersen, DVM, PhD, DipECPHM

European College of Poultry Veterinary Science (ECPVS)
Professor, Anders Miki Bojesen, DVM, PhD, DipECPVS
Professor, Jens Peter Christensen, DVM, PhD, DipECPVS

European College of Veterinary Diagnostic Imaging (ECVDI)
Professor, Fintan McEvoy, DVM, PhD, DVSc, DipECVDI

European College of Veterinary and Comparative Nutrition (ECVCN)
Professor, Charlotte Reinhard Bjørnvad, DVM, PhD, DipECVCN

European College of Veterinary Internal Medicine - Companion Animals
Associate Professor, Lisbeth Rem Jessen, DVM, DipECVIM-CA
Associate Professor, Rebecca Langhorn, DVM, PhD, DipECVIM-CA
Professor, Annemarie T. Kristensen, DVM, PhD, DipECVIM-CA

European College of Veterinary Internal Medicine - Oncology
Associate Professor, Maja Louise Arendt, DVM, PhD, DipECVIM-Oncology
Professor, Annemarie T. Kristensen, DVM, PhD, DipECVIM-Oncology

European College of Veterinary Pathologists
Professor, Henrik Elvang Jensen, DVM, PhD, DVSc, DipECVP

European College of Veterinary Public Health
Associate Professor, Jens Frederik Agger, DVM, PhD, DipECVPH
Professor, Hans Houe, DVM, PhD, DipECVPH
Professor, Liza Rosenbaum Nielsen, DVM, PhD, DipECVPH
Professor, Søren Saxmose Nielsen, DVM, PhD, DVSc, DipECVPH
Adjunct Professor, Lis Alban, DVM, PhD, DipECVPH

European College of Veterinary Surgeons (ECVS)-Specialist in Large Animal Surgery
Professor, Stine Jacobsen, DVM, PhD, DipECVS-LA

European College of Veterinary Surgeons (ECVS)-Specialist in Equine Surgery
Professor, Casper Lindegaard, DVM, PhD, DipECVS-ES

European College of Zoological Medicine-Zoo Health Management
Adjunct Professor, Mads Frost Bertelsen, DVM, DVSc, DipECZM-ZHM
PhD student, Kathryn Perrin, DVM, DipECVZM-ZHM

European Veterinary Dental College (EVDC)
Senior Veterinarian, Hanne Kortegaard, DVM, PhD, DipEVDC

European Veterinary Parasitology College (EVPC)
Professor, Maria Vang Johansen, DVM, PhD, DipEVPC
Professor, Stig M Thamsborg, DVM, PhD, DipEVPC

European College of Veterinary Microbiology
Associate Professor, Peter Damborg, DVM, PhD, DipECVM
Professor, John Elmerdahl Olsen, DVM, PhD, DVSC, DipECVM

American College of Veterinary Internal Medicine-Small Animal
Professor, Annemarie T. Kristensen, DVM, PhD, DACVIM-SA
PhD Student, Janne Grarup Lyngby, DVM, DACVIM-SA

American College of Zoological Medicine
Adjunct Professor, Mads Frost Bertelsen, DVM, DVSc, DipACZM
PhD student, Kathryn Perrin, DVM, DipACVZM

Appendix 10.1 List of scientific publications from the Establishment's academic staff in peer reviewed journals (2018 publications)

Bidrag til tidsskrift - Tidsskriftartikel

Adhikari, B., Khanal, P., & Nielsen, M. O. (2018). Impacts of pre- and postnatal nutrition on glucagon regulation and hepatic signalling in sheep. *Journal of Endocrinology*, *238*(1), 1-12. https://doi.org/10.1530/JOE-17-0705

Adhikary, S., Bisgaard, M., Nicklas, W., & Christensen, H. (2018). Reclassification of bisgaard taxon 5 as *Caviibacterium pharyngocola* gen. nov., sp. nov. and bisgaard taxon 7 as *conservatibacter flavescens* gen. nov., sp. nov. *International Journal of Systematic and Evolutionary Microbiology*, *68*(2), 643-650. [002558]. https://doi.org/10.1099/ijsem.0.002558

Ahiabu, M. A., Magnussen, P., Bygbjerg, I. C., & Tersbøl, B. P. (2018). Treatment practices of households and antibiotic dispensing in medicine outlets in developing countries: The case of Ghana. *Research in Social and Administrative Pharmacy*, *14*(12), 1180-1188. https://doi.org/10.1016/j.sapharm.2018.01.013

Aksomaitiene, J., Ramonaite, S., Olsen, J. E., & Malakauskas, M. (2018). Prevalence of genetic determinants and phenotypic resistance to ciprofloxacin in *Campylobacter jejuni* from lithuania. *Frontiers in Microbiology*, *9*(2), [203]. https://doi.org/10.3389/fmicb.2018.00203

Al-Jubury, A., Lu, C., Kania, P. W., Jørgensen, L. V. G., Liu, Y., de Bruijn, I., ... Buchmann, K. (2018). Impact of *Pseudomonas* H6 surfactant on all external life cycle stages of the fish parasitic ciliate *Ichthyophthirius multifiliis*. *Journal of Fish Diseases*, *41*(7), 1147-1152. https://doi.org/10.1111/jfd.12810

Alkan, F., Wenzel, A., Anthon, C., Havgaard, J. H., & Gorodkin, J. (2018). CRISPR-Cas9 off-targeting assessment with nucleic acid duplex energy parameters. *Genome Biology*, *19*, [177]. https://doi.org/10.1186/s13059-018-1534-x

Almeida, S., Nejsum, P., & Williams, A. R. (2018). Modulation of human macrophage activity by *Ascaris* antigens is dependent on macrophage polarization state. *Immunobiology*, *223*(4-5), 405-412. https://doi.org/10.1016/j.imbio.2017.11.003

Alstrup, A. K. O., Zois, N. E., Simonsen, M., & Munk, O. L. (2018). Monitoring variables affecting positron emission tomography measurements of cerebral blood flow in anaesthetized pigs. *Acta Veterinaria Scandinavica*, *60*, [17]. https://doi.org/10.1186/s13028-018-0369-5

Andersen, A. H., Thinnesen, M., Failing, K., & Goericke-Pesch, S. (2018). Effect of reduced glutathione (GSH) supplementation to Tris-egg yolk extender on chilled semen variables of dogs. *Animal Reproduction Science*, *198*, 145-153. https://doi.org/10.1016/j.anireprosci.2018.09.013

Andersen, I. T., Harrison, A., Broholm, R., Harder, A., Nielsen, J. B., Bülow, J., & Pingel, J. (2018). Microvascularization is not a limiting factor for exercise in adults with cerebral palsy. *Journal of Applied Physiology*, *125*(2), 536-544. https://doi.org/10.1152/japplphysiol.00827.2017

Andersen-Civil, A. I. S., Ahmed, S., Guerra, P. R., Andersen, T. E., Hounmanou, Y. M. G., Olsen, J. E., & Herrero-Fresno, A. (2018). The impact of inactivation of the purine biosynthesis genes, *purN* and *purT*, on growth and virulence in uropathogenic *E. coli*. *Molecular Biology Reports*, *45*(6), 2707-2716. https://doi.org/10.1007/s11033-018-4441-z

Andersen-Ranberg, E., Lehnert, K., Leifsson, P. S., Dietz, R., Andersen, S., Siebert, U., ... Sonne, C. (2018). Morphometric, molecular and histopathologic description of hepatic infection by Orthosplanchnus arcticus (Trematoda: Digenea: Brachycladiidae) in ringed seals (Pusa hispida) from Northwest Greenland. *Polar Biology*, *41*(5), 1019-1025. https://doi.org/10.1007/s00300-017-2245-6

Andersen-ranberg, E., Barnes, C., Rasmussen, L., Salgado-flores, A., Grøndahl, C., Mosbacher, J., ... Sonne, C. (2018). A Comparative Study on the Faecal Bacterial Community and Potential Zoonotic Bacteria of Muskoxen (*Ovibos moschatus*) in Northeast Greenland, Northwest Greenland and Norway. *Microorganisms*, *6*(3), [76]. https://doi.org/10.3390/microorganisms6030076

Andreasen, L. J., Krog, S., Ludvigsen, T. P., Nielsen, O. L., Møller, J. E., Christoffersen, B. Ø., ... Olsen, L. H. (2018). Dietary normalization from a fat, fructose and cholesterol-rich diet to chow limits the amount of myocardial collagen in a Göttingen Minipig model of obesity. *Nutrition and Metabolism*, *15*, [64]. https://doi.org/10.1186/s12986-018-0303-x

Anjum, M., Madsen, J. S., Espinosa-Gongora, C., Jana, B., Wiese, M., Nielsen, D. S., ... Guardabassi, L. (2018). A culture-independent method for studying transfer of IncI1 plasmids from wild-type *Escherichia coli* in complex microbial communities. *Journal of Microbiological Methods*, *152*, 18-26. https://doi.org/10.1016/j.mimet.2018.07.009

Antenucci, F., Fougeroux, C., Deeney, A., Ørskov, C., Rycroft, A., Holst, P. J., & Bojesen, A. M. (2018). In vivo testing of novel vaccine prototypes against Actinobacillus pleuropneumoniae. *Veterinary Research*, *49*(1), [4]. https://doi.org/10.1186/s13567-017-0502-x

Antvorskov, J. C., Aunsholt, L., Buschard, K., Gamborg, M., Kristensen, K., Johannesen, J., ... Svensson, J. (2018). Childhood body mass index in relation to subsequent risk of type 1 diabetes-A Danish cohort study. *Pediatric Diabetes*, *19*(2), 265-270. https://doi.org/10.1111/pedi.12568

Asizua, D., Mpairwe, D., Kabi, F., Mutetikka, D., Bareeba, F. B., Hvelplund, T., ... Madsen, J. (2018). Effects of feeding systems on rumen environment, degradability and passage kinetics in Ankole × Friesian crossbred steers. *Livestock Science*, *210*, 47-54. https://doi.org/10.1016/j.livsci.2018.02.006

Aunsholt, L., Qvist, N., Sangild, P. T., Vegge, A., Stoll, B., Burrin, D. G., ... Thymann, T. (2018). Minimal Enteral Nutrition to Improve Adaptation After Intestinal Resection in Piglets and Infants. *Journal of Parenteral and Enteral Nutrition*, *42*(2), 446-454. https://doi.org/10.1177/0148607117690527

Baldry, M., Nakamura, Y., Nakagawa, S., Frees, D., Matsue, H., Nunez, G., & Ingmer, H. (2018). Application of an agr-Specific Antivirulence Compound as Therapy for Staphylococcus aureus-Induced Inflammatory Skin Disease. *Journal of Infectious Diseases*, *218*(6), 1009-1013. https://doi.org/10.1093/infdis/jiy259

Bank, S., Andersen, P. S., Burisch, J., Pedersen, N., Roug, S., Galsgaard, J., ... Andersen, V. (2018). Genetically determined high activity of IL-12 and IL-18 in ulcerative colitis and TLR5 in Crohns disease were associated with non-response to anti-TNF therapy. *Pharmacogenomics Journal*, *18*(1), 87-97. https://doi.org/10.1038/tpj.2016.84

Barington, K., Dich-Jørgensen, K., & Jensen, H. E. (2018). A porcine model for pathomorphological age assessment of surgically excised skin wounds. *Acta Veterinaria Scandinavica*, *60*(1), [33]. https://doi.org/10.1186/s13028-018-0387-3

Barington, K., Jensen, H. E., & Skovgaard, K. (2018). Forensic age determination of human inflicted porcine bruises inflicted within 10 h prior to slaughter by application of gene expression signatures. *Research in Veterinary Science*, *120*, 47-53. https://doi.org/10.1016/j.rvsc.2018.08.007

Barington, K., Johansen, A. S. B., & Jensen, H. E. (2018). Forensisk Veterinærpatologi. *Dansk Veterinaertidsskrift*, *2018*(4), 28-37.

Barington, K., Skovgaard, K., Henriksen, N. L., Johansen, A. S. B., & Jensen, H. E. (2018). Histological evaluation of experimental porcine bruises. *Data in Brief*, *20*, 1166-1176. https://doi.org/10.1016/j.dib.2018.08.134

Barington, K., Skovgaard, K., Henriksen, N. L., Johansen, A. S. B., & Jensen, H. E. (2018). The intensity of the inflammatory response in experimental porcine bruises depends on time, anatomical location and sampling site. *Journal of Forensic and Legal Medicine*, *58*, 130-139. https://doi.org/10.1016/j.jflm.2018.06.005

Barkema, H. W., Orsel, K., Nielsen, S. S., Koets, A. P., Rutten, V. P. M. G., Bannantine, J. P., ... De Buck, J. (2018). Knowledge gaps that hamper prevention and control of *Mycobacterium avium* subspecies *paratuberculosis* infection. *Transboundary and Emerging Diseases*, *65*(S1), 125-148. https://doi.org/10.1111/tbed.12723

Bastys, T., Gapsys, V., Doncheva, N. T., Kaiser, R., De Groot, B. L., & Kalinina, O. V. (2018). Consistent Prediction of Mutation Effect on Drug Binding in HIV-1 Protease Using Alchemical Calculations. *Journal of Chemical Theory and Computation*, *14*(7), 3397-3408. https://doi.org/10.1021/acs.jctc.7b01109

Bellili, S., Aouadhi, C., Dhifi, W., Ghazghazi, H., Jlassi, C., Sadaka, C., ... Mnif, W. (2018). The influence of organs on biochemical properties of Tunisian *Thuja occidentalis* essential oils. *Symmetry*, *10*(11), [649]. https://doi.org/10.3390/sym10110649

Bendtsen, K. M., Tougaard, P., & Hansen, A. K. (2018). An Early Life Mucosal Insult Temporarily Decreases Acute Oxazolone-Induced Inflammation in Mice. *Inflammation*, *41*(4), 1437-1447. https://doi.org/10.1007/s10753-018-0790-y

Benedict, M. Q., Charlwood, J. D., Harrington, L. C., Lounibos, L. P., Reisen, W. K., & Tabachnick, W. J. (2018). Guidance for Evaluating the Safety of Experimental Releases of Mosquitoes, Emphasizing Mark-Release-Recapture Techniques. *Vector-Borne and Zoonotic Diseases*, *18*(1), 39-48. https://doi.org/10.1089/vbz.2017.2152

Bernardo, A. S., Jouneau, A., Marks, H., Kensche, P., Kobolak, J., Freude, K., ... Dinnyes, A. (2018). Mammalian embryo comparison identifies novel pluripotency genes associated with the naive or primed state. *Biology Open*, *7*(8), [bio033282]. https://doi.org/10.1242/bio.033282

Birch, J. M., Agger, J. F., Aalbæk, B., Struve, T., Hammer, A. S., & Jensen, H. E. (2018). Dam characteristics associated with pre-weaning diarrhea in mink (*Neovison vison*). *Acta Veterinaria Scandinavica*, *60*, [73]. https://doi.org/10.1186/s13028-018-0427-z

Birch, J. M., Ullman, K., Struve, T., Agger, J. F., Hammer, A. S., Leijon, M., & Jensen, H. E. (2018). Investigation of the viral and bacterial microbiota in intestinal samples from mink (*Neovison vison*) with pre-weaning diarrhea syndrome using next generation sequencing. *PLOS ONE*, *13*(10), [0205890]. https://doi.org/10.1371/journal.pone.0205890

Bjerg, B., Rong, L., & Zhang, G. (2018). Computational prediction of the effective temperature in the lying area of pig pens. *Computers and Electronics in Agriculture*, *149*, 71-79. https://doi.org/10.1016/j.compag.2017.09.016

Björling, K., Joseph, P. D., Egebjerg, K., Salomonsson, M., Hansen, J. L., Ludvigsen, T. P., & Jensen, L. J. (2018). Role of age, Rho-kinase 2 expression, and G protein-mediated signaling in the myogenic response in mouse small mesenteric arteries. *Physiological Reports*, *6*(17), [e13863]. https://doi.org/10.14814/phy2.13863

Bojer, M. S., Lindemose, S., Vestergaard, M., & Ingmer, H. (2018). Quorum Sensing-Regulated Phenol-Soluble Modulins Limit Persister Cell Populations in *Staphylococcus aureus*. *Frontiers in Microbiology*, *9*, [255]. https://doi.org/10.3389/fmicb.2018.00255

Boot, R., Nicklas, W., & Christensen, H. (2018). Revised taxonomy and nomenclature of rodent Pasteurellaceae: Implications for monitoring. *Laboratory Animals*, *52*(3), 300-303. https://doi.org/10.1177/0023677218754597

Borresen, B., Henriksen, J. R., Clergeaud, G., Jorgensen, J. S., Melander, F., Elema, D. R., ... Hansen, A. E. (2018). Theranostic Imaging May Vaccinate against the Therapeutic Benefit of Long Circulating PEGylated Liposomes and Change Cargo Pharmacokinetics. *ACS NANO*, *12*(11), 11386-11398. https://doi.org/10.1021/acsnano.8b06266

Brandt, N., Kotowska, D., Kristensen, C. M., Olesen, J., Lützhøft, D. O., Halling, J. F., ... Pilegaard, H. (2018). The impact of exercise training and resveratrol supplementation on gut microbiota composition in high-fat diet fed mice. *Physiological Reports*, *6*(20), 1-11. [e13881]. https://doi.org/10.14814/phy2.13881

Brochmann, P. R., Hesketh, A., Jana, B., Brodersen, G. H., & Guardabassi, L. (2018). Transcriptome analysis of extended-spectrum β-lactamase-producing Escherichia coli and methicillin-resistant *Staphylococcus aureus* exposed to cefotaxime. *Scientific Reports*, *8*, [16076]. https://doi.org/10.1038/s41598-018-34191-3

Brogaard, L., Larsen, L. E., Heegaard, P. M. H., Anthon, C., Gorodkin, J., Dürrwald, R., & Skovgaard, K. (2018). IFN-λ and microRNAs are important modulators of the pulmonary innate immune response against influenza A (H1N2) infection in pigs. *PLOS ONE*, *13*(4), [e0194765]. https://doi.org/10.1371/journal.pone.0194765

Brunse, A., Abbaspour, A., & Sangild, P. T. (2018). Brain Barrier Disruption and Region-Specific Neuronal Degeneration during Necrotizing Enterocolitis in Preterm Pigs. *Developmental Neuroscience*, *40*(3), 198–208. https://doi.org/10.1159/000488979

Buchmann, K., Kofod, M., Jensen, E., & Lyngs, P. (2018). Ederfugletællingerne 2017: Ællingernes tur fra Christiansø var den mest succesfulde i flere år. *Natur på Bornholm*, *16*(1), 10-14. [6].

Buchmann, K., Kania, P. W., & Zuo, S. (2018). Historien bag en aktuel orm i vore torsk. *Aktuel Naturvidenskab*, *2018*(5), 15-17.

Buchmann, K., & Johansen, P. (2018). Lungeorm i de bornholmske bisonkalve. *Natur på Bornholm*, *16*(1), 28-29. [4].

Bue, M., Hanberg, P., Koch, J., Jensen, L. K., Lundorff, M., Aalbaek, B., ... Tøttrup, M. (2018). Single-Dose Bone Pharmacokinetics of Vancomycin in a Porcine Implant-Associated Osteomyelitis Model. *Journal of Orthopaedic Research*, *36*(4), 1093-1098. https://doi.org/10.1002/jor.23776

Buhl, R., Carstensen, H., Hesselkilde, E. Z., Klein, B. Z., Hougaard, K. M., Ravn, K. B., ... Jespersen, T. (2018). Effect of induced chronic atrial fibrillation on exercise performance in Standardbred trotters. *Journal of Veterinary Internal Medicine*, *32*(4), 1410-1419. https://doi.org/10.1111/jvim.15137

Bundgaard, L., Sorensen, M. A., Nilsson, T., Salling, E., & Jacobsen, S. (2018). Evaluation of Systemic and Local Inflammatory Parameters and Manifestations of Pain in an Equine Experimental Wound Model. *Journal of Equine Veterinary Science*, *68*(5), 81-87. https://doi.org/10.1016/j.jevs.2018.05.219

Bundgaard, L., Stensballe, A., Elbaek, K. J., & Berg, L. C. (2018). Mapping of equine mesenchymal stromal cell surface proteomes for identification of specific markers using proteomics and gene expression analysis: an in vitro cross-sectional study. *Stem Cell Research & Therapy*, *9*, [288]. https://doi.org/10.1186/s13287-018-1041-8

Byriel, D. B., Kristensen, B., Klitgaard, K., & Bødker, R. (2018). Relative abundance and geographical variation of Culex pipiens and Culex torrentium (Diptera; Culicidae) in CO_2-baited traps in Denmark. *Entomologica Fennica*, *29*(3), 112-118. https://doi.org/10.33338/ef.77278

Calloe, K., Aistrup, G. L., Di Diego, J. M., Goodrow, R. J., Treat, J. A., & Cordeiro, J. M. (2018). Interventricular differences in sodium current and its potential role in Brugada syndrome. *Physiological Reports*, *6*(14), [e13787]. https://doi.org/10.14814/phy2.13787

Calloe, K., Broendberg, A. K., Christensen, A. H., Pedersen, L. N., Olesen, M. S., de Los Angeles Tejada, M., ... Jensen, H. K. (2018). Multifocal atrial and ventricular premature contractions with an increased risk of dilated cardiomyopathy caused by a $Na_v1.5$ gain-of-function mutation (G213D). *International Journal of Cardiology*, *257*, 160-167. https://doi.org/10.1016/j.ijcard.2017.11.095

Capion, N., Larsson, E. K., & Nielsen, O. L. (2018). A clinical and histopathological comparison of the effectiveness of salicylic acid to a compound of inorganic acids for the treatment of digital dermatitis in cattle. *Journal of Dairy Science*, *101*(2), 1325-1333. https://doi.org/10.3168/jds.2017-13622

Carmelo, V. A. O., Kogelman, L. J. A., Madsen, M. B., & Kadarmideen, H. N. (2018). WISH-R- a fast and efficient tool for construction of epistatic networks for complex traits and diseases. *BMC Bioinformatics*, *19*, 1-7. [277]. https://doi.org/10.1186/s12859-018-2291-2

Carmo, L. P., Nielsen, L. R., Alban, L., da Costa, P. M., Schüpbach-Regula, G., & Magouras, I. (2018). Veterinary Expert Opinion on Potential Drivers and Opportunities for Changing Antimicrobial Usage Practices in Livestock in Denmark, Portugal, and Switzerland. *Frontiers in Veterinary Science*, *5*, [29]. https://doi.org/10.3389/fvets.2018.00029

Carmo, L. P., Bouzalas, I., Nielsen, L. R., Alban, L., Martins da Costa, P., Müntener, C., ... Magouras, I. (2018). Expert opinion on livestock antimicrobial usage indications and patterns in Denmark, Portugal and Switzerland. *Veterinary Record Open*, *5*(1), [e000288]. https://doi.org/10.1136/vetreco-2018-000288

Carstensen, H., Kjær, L., Haugaard, M. M., Flethøj, M., Hesselkilde, E. Z., Kanters, J. K., ... Jespersen, T. (2018). Antiarrhythmic Effects of Combining Dofetilide and Ranolazine in a Model of Acutely Induced Atrial Fibrillation in Horses. *Journal of Cardiovascular Pharmacology*, *71*(1), 26-35. https://doi.org/10.1097/FJC.0000000000000541

Carstensen, H., Hesselkilde, E. Z., Fenner, M., Loft-Andersen, A. V., Flethøj, M., Kanters, J. K., ... Buhl, R. (2018). Time-dependent antiarrhythmic effects of flecainide on induced atrial fibrillation in horses. *Journal of Veterinary Internal Medicine*, *32*(5), 1708-1717. https://doi.org/10.1111/jvim.15287

Castro Mejia, J. L., Jakesevic, M., Fabricius, N. F., Krych, L., Nielsen, D. S., Kot, W., ... Hansen, A. K. (2018). Gut microbiota recovery and immune response in ampicillin-treated mice. *Research in Veterinary Science*, *118*, 357-364. https://doi.org/10.1016/j.rvsc.2018.03.013

Charlier, J., Thamsborg, S. M., Bartley, D. J., Skuce, P. J., Kenyon, F., Geurden, T., ... Claerebout, E. (2018). Mind the gaps in research on the control of gastrointestinal nematodes of farmed ruminants and pigs. *Transboundary and Emerging Diseases*, *65*(S1), 217-234. https://doi.org/10.1111/tbed.12707

Chavers, J. C., Allen, A. K., Ahmed, W., Fuglsang-Damgaard, L. H., & Harrison, A. P. (2018). The Equine Hindlimb Proximal Suspensory Ligament: an Assessment of Health and Function by Means of Its Damping Harmonic Oscillator Properties, Measured Using an Acoustic Myography System: a New Modality Study. *Journal of Equine Veterinary Science*, *71*, 21-26. https://doi.org/10.1016/j.jevs.2018.09.006

Chen, L., Wang, J., Jiang, P., Ren, F., Lei, X., & Guo, H. (2018). Alteration of the colostrum whey proteome in mothers with gestational hypothyroidism. *PLoS ONE*, *13*(10), [e0205987]. https://doi.org/10.1371/journal.pone.0205987

Chettri, J. K., Al-Jubury, A., Dalsgaard, I., Heegaard, P. M. H., & Buchmann, K. (2018). Experimental anal infection of rainbow trout with *Flavobacterium psychrophilum*: A novel challenge model. *Journal of Fish Diseases*, *41*(12), 1917-1919. https://doi.org/10.1111/jfd.2018.41.issue-12

Chilundo, A., Johansen, M. V., Pondja, A., Miambo, R., Afonso, S., & Mukaratirwa, S. (2018). Piloting the effectiveness of pig health education in combination with oxfendazole treatment on prevention and/or control of porcine cysticercosis, gastrointestinal parasites, African swine fever and ectoparasites in Angónia District, Mozambique. *Tropical Animal Health and Production*, *50*(3), 589–601. https://doi.org/10.1007/s11250-017-1474-6

Christensen, E. E., Taylor, M., Zulu, S. G., Lillebo, K., Gundersen, S. G., Holmen, S., ... Kjetland, E. F. (2018). Seasonal variations in Schistosoma haematobium egg excretion in school-age girls in rural KwaZulu-Natal Province, South Africa. *S A M J South African Medical Journal*, *108*(4), 352-355. https://doi.org/10.7196/SAMJ.2018.v108i4.12775

Christensen, H., & Bisgaard, M. (2018). Classification of genera of pasteurellaceae using conserved predicted protein sequences. *International Journal of Systematic and Evolutionary Microbiology*, *68*(8), 2692-2696. [002860]. https://doi.org/10.1099/ijsem.0.002860

Christensen, S. L., Petersen, S., Sørensen, D. B., Olesen, J., & Jansen-Olesen, I. (2018). Cilostazol induces C-fos expression in the trigeminal nucleus caudalis and behavioural changes suggestive of headache with the migraine-like feature photophobia in female rats. *Cephalalgia*, *38*(3), 452-465. https://doi.org/10.1177/0333102417693833

Chun, J., Oren, A., Ventosa, A., Christensen, H., Arahal, D. R., da Costa, M. S., ... Trujillo, M. E. (2018). Proposed minimal standards for the use of genome data for the taxonomy of prokaryotes. *International Journal of Systematic and Evolutionary Microbiology*, *68*(1), 461-466. [002516]. https://doi.org/10.1099/ijsem.0.002516

Cirera, S., Clop, A., Jacobsen, M. J., Guerin, M., Lesnik, P., Jørgensen, C. B., ... Karlskov-Mortensen, P. (2018). A targeted genotyping approach enhances identification of variants in taste receptor and appetite/reward genes of potential functional importance for obesity-related porcine traits. *Animal Genetics*, *49*(2), 110–118. https://doi.org/10.1111/age.12641

Cirera, S., Willumsen, L. M., Johansen, T. T., & Nielsen, L. N. (2018). Evaluation of microRNA stability in feces from healthy dogs. *Veterinary Clinical Pathology*, *47*(1), 115-121. https://doi.org/10.1111/vcp.12566

Claudel, C. G., Ahmed, W., Elbrønd, V. S., Harrison, A. P., & Bartels, E. M. (2018). The relation between maximal voluntary force in *m. palmaris* longus and the temporal and spatial summation of muscle fiber recruitment in human subjects. *Physiological Reports*, *6*(1), [e13580]. https://doi.org/10.14814/phy2.13580

Clausen, M. L., Agner, T., Lilje, B., Edslev, S. M., Johannesen, T. B., & Andersen, P. S. (2018). Association of Disease Severity With Skin Microbiome and Filaggrin Gene Mutations in Adult Atopic Dermatitis. *JAMA Dermatology*, *154*(3), 293-300. https://doi.org/10.1001/jamadermatol.2017.5440

Cook, H. V., Doncheva, N. T., Szklarczyk, D., von Mering, C., & Jensen, L. J. (2018). Viruses.STRING: A Virus-Host Protein-Protein Interaction Database. *Viruses*, *10*(10), 1-11. [519]. https://doi.org/10.3390/v10100519

Cremer, S. E., Krogh, A. K. H., Hedström, M. E. K., Christiansen, L. B., Tarnow, I., & Kristensen, A. T. (2018). Analytical validation of a flow cytometric protocol for quantification of platelet microparticles in dogs. *Veterinary Clinical Pathology*, *47*(2), 186-196. https://doi.org/10.1111/vcp.12605

Cremer, S. E., Koch, J., Graversen, N., Gravgaard, A. S., Langhorn, R., Kristensen, A. T., ... Nielsen, L. N. (2018). Analytical validation of platelet microparticle quantification in cats. *Veterinary Clinical Pathology*, *47*(3), 386-395. https://doi.org/10.1111/vcp.12641

Córdoba, G., Holm, A., Sørensen, T. M., Siersma, V., Sandholdt, H., Makela, M., ... Bjerrum, L. (2018). Use of diagnostic tests and the appropriateness of the treatment decision in patients with suspected urinary tract infection in primary care in Denmark - Observational study. *BMC Family Practice*, *19*(1), [65]. https://doi.org/10.1186/s12875-018-0754-1

Dahl-Pedersen, K., Herskin, M. S., Houe, H., & Thomsen, P. T. (2018). A descriptive study of the clinical condition of cull dairy cows before transport to slaughter. *Livestock Science*, *218*, 108-113. https://doi.org/10.1016/j.livsci.2018.11.001

Dahl-Pedersen, K., Foldager, L., Herskin, M. S., Houe, H., & Thomsen, P. T. (2018). Lameness scoring and assessment of fitness for transport in dairy cows: Agreement among and between farmers, veterinarians and livestock drivers. *Research in Veterinary Science*, *119*, 162-166. https://doi.org/10.1016/j.rvsc.2018.06.017

Dahl-Pedersen, K., Herskin, M. S., Houe, H., & Thomsen, P. T. (2018). Risk factors for deterioration of the clinical condition of cull dairy cows during transport to slaughter. *Frontiers in Veterinary Science*, *5*(NOV), [297]. https://doi.org/10.3389/fvets.2018.00297

Dam, M. S., Sangild, P. T., & Svendsen, M. N. (2018). Translational neonatology research: transformative encounters across species and disciplines. *History and Philosophy of the Life Sciences*, *40*(1), [21]. https://doi.org/10.1007/s40656-018-0185-2

Dang, S. T. T., Bortolaia, V., Tran, N. T., Le, H. Q., & Dalsgaard, A. (2018). Cephalosporin-resistant Escherichia coli isolated from farm workers and pigs in northern Vietnam. *Tropical Medicine and International Health*, *23*(4), 415-424. https://doi.org/10.1111/tmi.13054

Daugaard-Petersen, T., Langebæk, R., Rigét, F. F., Dyck, M., Letcher, R. J., Hyldstrup, L., ... Sonne, C. (2018). Persistent organic pollutants and penile bone mineral density in East Greenland and Canadian polar bears (Ursus maritimus) during 1996–2015. *Environment International*, *114*, 212-218. https://doi.org/10.1016/j.envint.2018.02.022

Daugaard-Petersen, T., Langebæk, R., Rigét, F. F., Letcher, R. J., Hyldstrup, L., Jensen, J. E. B., ... Sonne, C. (2018). Persistent organic pollutants, skull size and bone density of polar bears (Ursus maritimus) from East Greenland 1892–2015 and Svalbard 1964–2004. *Environmental Research*, *162*, 74-80. https://doi.org/10.1016/j.envres.2017.12.009

De Graaf, S., Ampe, B., Buijs, S., Andreasen, S. N., De Boyer Des Roches, A., Van Eerdenburg, F. J. C. M., ... Tuyttens, F. A. M. (2018). Sensitivity of the integrated Welfare Quality® scores to changing values of individual dairy cattle welfare measures. *Animal Welfare*, *27*(2), 157-166. https://doi.org/10.7120/09627286.27.2.157

De Miguel, R., Molin, J., Asin, J., Solana, M., Vazquez, F. J., Zalaya, J., ... Lujan, L. (2018). Maxillary cementoblastoma (true cementoma) and secondary aspergillosis in a horse. *Acta Veterinaria*, *68*(1), 119-126. https://doi.org/10.2478/acve-2018-0010

Denwood, M. J., Kleen, J. L., Jensen, D. B., & Jonsson, N. N. (2018). Describing temporal variation in reticuloruminal pH using continuous monitoring data. *Journal of Dairy Science*, *101*(1), 233-245. https://doi.org/10.3168/jds.2017-12828

Derua, Y. A., Kisinza, W. N., & Simonsen, P. E. (2018). Lymphatic filariasis control in Tanzania: Infection, disease perceptions and drug uptake patterns in an endemic community after multiple rounds of mass drug administration. *Parasites and Vectors*, *11*(1), [429]. https://doi.org/10.1186/s13071-018-2999-x

Dorbek-Kilin, E., Åhlberg, T., Tummeleht, L., Tappe, D., Johansen, M. V., & Lassen, B. (2018). Prevalence of cysticercosis in Estonian pigs and cattle. *Parasitology Research*, *117*(2), 591–595. https://doi.org/10.1007/s00436-017-5710-9

Drag, M., Hansen, M. B., & Kadarmideen, H. N. (2018). Systems genomics study reveals expression quantitative trait loci, regulator genes and pathways associated with boar taint in pigs. *PLOS ONE*, *13*(2), [e0192673]. https://doi.org/10.1371/journal.pone.0192673

Dreisig, K., Sund, L., Dommer, M. W., Kristensen, N. P., Boddum, K., Viste, R., ... Kornum, B. R. (2018). Human $P2Y_{11}$ expression level affects human P2X7 receptor-mediated cell death. *Frontiers in Immunology*, *9*(JUN), [1159]. https://doi.org/10.3389/fimmu.2018.01159

Duraipandian, S., Knopp, M. M., Pollard, M. R., Kerdoncuff, H., Petersen, J. C., & Mullertz, A. (2018). A fast and novel internal calibration method for quantitative Raman measurements on aqueous solutions. *Analytical Methods*, *10*(29), 3589-3593. https://doi.org/10.1039/c8ay00753e

EFSA Panel on Animal Health and Welfare, More, S., Miranda, M. A., Bicout, D., Bøtner, A., Butterworth, A., ... Schmidt, C. G. (2018). Risk of survival, establishment and spread of *Batrachochytrium salamandrivorans* (Bsal) in the EU. *EFSA Journal*, *16*(4), 1-78. [e05259]. https://doi.org/10.2903/j.efsa.2018.5259

Edslev, S. M., Clausen, M. L., Agner, T., Stegger, M., & Andersen, P. S. (2018). Genomic analysis reveals different mechanisms of fusidic acid resistance in Staphylococcus aureus from Danish atopic dermatitis patients. *Journal of Antimicrobial Chemotherapy*, *73*(4), 856-861. https://doi.org/10.1093/jac/dkx481

Eichenlaub, T., Villadsen, R., Freitas, F. C. P., Andrejeva, D., Aldana, B. I., Nguyen, H. T., ... Cohen, S. M. (2018). Warburg Effect Metabolism Drives Neoplasia in a Drosophila Genetic Model of Epithelial Cancer. *Current Biology*, *28*(20), 3220-3228.e6. https://doi.org/10.1016/j.cub.2018.08.035

Eldirdiri, A., Posse, S., Hanson, L. G., Hansen, R. B., Holst, P., Schoier, C., ... Ardenkjaer-Larsen, J. H. (2018). Development of a Symmetric Echo-Planar Spectroscopy Imaging Framework for Hyperpolarized C-13 Imaging in a Clinical PET/MR Scanner. *Tomography - A Journal for Imaging Research*, *4*(3), 110-122. https://doi.org/10.18383/j.tom.2018.00006

Erichsen, C., Cousen, C., Finlayson, J., Maley, M., Dagleish, M., & Nielsen, S. S. (2018). Proportion of ovine pulmonary adenocarcinoma in Danish sheep at slaughter. *Dansk Veterinaertidsskrift*, *2018*(10), 30-34.

Filippitzi, M. E., Kruse, A. B., Postma, M., Sarrazin, S., Maes, D., Alban, L., ... Dewulf, J. (2018). Review of transmission routes of 24 infectious diseases preventable by biosecurity measures and comparison of the implementation of these measures in pig herds in six European countries. *Transboundary and Emerging Diseases*, *65*(2), 381-398. https://doi.org/10.1111/tbed.12758

Franco, N. H., Sandøe, P., & Olsson, I. A. S. (2018). Researchers' attitudes to the 3Rs - An upturned hierarchy? *P L o S One*, *13*(8), 1-22. [e0200895]. https://doi.org/10.1371/journal.pone.0200895

Frankling, C. C., Finfer, S., Lissauer, D., Perner, A., Patel, J. M., & Gao, F. (2018). The dark ages of maternal sepsis: time to be enlightened. *British Journal of Anaesthesia*, *120*(4), 626-628. https://doi.org/10.1016/j.bja.2017.12.032

Fredholm, M., Pedersen, L., Laursen, M. G., & Sandøe, P. (2018). Brug af DNA-markører: til at bestemme, om en hund tilhører en forbudt race. *Dansk Veterinaertidsskrift*, (3), 26-28/.

Frehner, B. L., Reichler, I. M., Keller, S., Goericke-Pesch, S., & Balogh, O. (2018). Blood calcium, glucose and haematology profiles of parturient bitches diagnosed with uterine inertia or obstructive dystocia. *Reproduction in Domestic Animals*, *53*(3), 680-687. https://doi.org/10.1111/rda.13157

Friis Mikkelsen, L., Boserup, T., Kiersgaard, M. K., Bödvarsdottir, T. B., & Sørensen, D. B. (2018). Providing Sand Rats (*Psammomys Obesus*) Environmental Enrichment is not Inhibiting their Diabetes Development and Use as an Animal Model for Human Diet Induced Type 2 Diabetes. *Integrative Journal of Veterinary Biosciences*, 1-4. https://doi.org/10.31038/IJVB.1000113

Fuglsang, E., Pizzolla, A., Krych, L., Nielsen, D. S., Brooks, A. G., Frokiaer, H., & Reading, P. C. (2018). Changes in Gut Microbiota Prior to Influenza A Virus Infection Do Not Affect Immune Responses in Pups or Juvenile Mice. *Frontiers in Cellular and Infection Microbiology*, *8*, [319]. https://doi.org/10.3389/fcimb.2018.00319

Fuglsang, E., Krych, L., Nielsen, D. S., Frøkiær, H., & Reading, P. C. (2018). Influenza A Virus Infection Alters Gut Microbiota Composition in Juvenile Mice. *Journal of Infectious Diseases & Travel Medicine*, *2*(3), [000118].

Fuglsang, E., Krych, L., Lundsager, M. T., Nielsen, D. S., & Frøkiær, H. (2018). Postnatal Administration of *Lactobacillus rhamnosus* HN001 Ameliorates Perinatal Broad-Spectrum Antibiotic-Induced Reduction in Myelopoiesis and T Cell Activation in Mouse Pups. *Molecular Nutrition and Food Research*, *62*(22), 1-12. [1800510]. https://doi.org/10.1002/mnfr.201800510

Gaardbo Kuhn, K., Nielsen, E. M., Mølbak, K., & Ethelberg, S. (2018). Determinants of sporadic *Campylobacter* infections in Denmark: a nationwide case-control study among children and young adults. *Clinical Epidemiology*, *10*, 1695-1707. https://doi.org/10.2147/CLEP.S177141

Galappaththi-Arachchige, H. N., Holmen, S., Koukounari, A., Kleppa, E., Pillay, P., Sebitloane, M., ... Kjetland, E. F. (2018). Evaluating diagnostic indicators of urogenital Schistosoma haematobium infection in young women: A cross sectional study in rural South Africa. *PLOS ONE*, *13*(2), [0191459]. https://doi.org/10.1371/journal.pone.0191459

Galappaththi-Arachchige, H. N., Zulu, S. G., Kleppa, E., Lillebo, K., Qvigstad, E., Ndhlovu, P., ... Taylor, M. (2018). Reproductive health problems in rural South African young women: Risk behaviour and risk factors. *Reproductive Health*, *15*(1), [138]. https://doi.org/10.1186/s12978-018-0581-9

Gao, S., Hu, X., Xu, F., Gao, C., Xiong, K., Zhao, X., ... Pedersen, C. N. S. (2018). BS-virus-finder: virus integration calling using bisulfite sequencing data. *GigaScience*, *7*(1). https://doi.org/10.1093/gigascience/gix123

Garbus, S. E., Lyngs, P., Thyme, A. P., Christensen, J. P., & Sonne, C. (2018). Candling and Field Atlas of Early Egg Development in Common Eiders *Somateria Mollissima* in the Central Baltic. *Acrocephalus*, *39*(178-179), 85-90. https://doi.org/10.1515/acro-2018-0007

Garbus, S. E., Lyngs, P., Christensen, J. P., Buchmann, K., Eulaers, I., Mosbech, A., ... Sonne, C. (2018). Common eider (*Somateria mollissima*) body condition and parasitic load during a mortality event in the Baltic Proper. *Avian Biology Research*, *11* (3), 167-172. https://doi.org/10.3184/175815618X15263798903780

Gay, M., Bao, M., MacKenzie, K., Pascual, S., Buchmann, K., Bourgau, O., ... Pierce, G. J. (2018). Infection levels and species diversity of ascaridoid nematodes in Atlantic cod, Gadus morhua, are correlated with geographic area and fish size. *Fisheries Research*, *202*, 90-102. https://doi.org/10.1016/j.fishres.2017.06.006

Gencay, Y. E., Sørensen, M. C. H., Wenzel, C. Q., Szymanski, C. M., & Brøndsted, L. (2018). Phase variable expression of a single phage receptor in *Campylobacter jejuni* NCTC12662 influences sensitivity toward several diverse CPS-dependent phages. *Frontiers in Microbiology*, *9*(2), [82]. https://doi.org/10.3389/fmicb.2018.00082

Gjendal, K., Ottesen, J. L., & Sørensen, D. B. (2018). Does colour matter? Preference of mice for different colours of the house mouse igloo: An observational study. *Scandinavian Journal of Laboratory Animal Science*, *44*, [6]. https://doi.org/10.23675/sjlas.v44i0.566

Gjendal, K., Franco, N. H., Ottesen, J. L., Sørensen, D. B., & Olsson, I. A. S. (2018). Eye, body or tail? Thermography as a measure of stress in mice. *Physiology and Behavior*, *196*, 135-143. https://doi.org/10.1016/j.physbeh.2018.08.022

Gleerup, K. B., Andersen, P. H., & Wathan, J. (2018). What information might be in the facial expressions of ridden horses? Adaptation of behavioral research methodologies in a new field. *Journal of Veterinary Behavior - Clinical Applications and Research*, *23*, 101-103. https://doi.org/10.1016/j.jveb.2017.12.002

Goericke-Pesch, S., Fux, V., Prenger-Berninghoff, E., & Wehrend, A. (2018). Bacteriological findings in the canine uterus during Caesarean section performed due to dystocia and their correlation to puppy mortality at the time of parturition. *Reproduction in Domestic Animals*, *53*(4), 889-894. https://doi.org/10.1111/rda.13181

Goetze, J. P., Hunter, I., Zois, N. E., Terzic, D., Valeur, N., Olsen, L. H., ... Gustafsson, F. (2018). Cardiac procholecystokinin expression during haemodynamic changes in the mammalian heart. *Peptides*, *108*, 7-13. https://doi.org/10.1016/j.peptides.2018.08.004

Goggs, R., Borrelli, A., Brainard, B. M., Chan, D. L., de Laforcade, A., Goy-Thollot, I., ... Wagg, C. (2018). Multicenter in vitro thromboelastography and thromboelastometry standardization. *Journal of Veterinary Emergency and Critical Care*, *28*(3), 201-212. https://doi.org/10.1111/vec.12710

Gomez-fernandez-blanco, C., Peeters, D., Moyse, E., Farnir, F., Höglund, K., Gouni, V., ... Merveille, A. (2018). Interbreed variation of biomarkers of lipid and glucose metabolism in dogs. *Veterinary Clinical Pathology*, *47*(4), 582-588. https://doi.org/10.1111/vcp.12673

Gradel, A. K. J., Salomonsson, M., Sørensen, C. M., von Holstein-Rathlou, N-H., & Jensen, L. J. (2018). Long-term diet-induced hypertension in rats is associated with reduced expression and function of small artery SKCa, IKCa, and Kir2.1 channels. *Clinical Science*, *132*(4), 461–474. https://doi.org/DOI:10.1042/CS20171408

Greco, I., Hummel, B. D., Vasir, J., Watts, J. L., Koch, J., Hansen, J. E., ... Hansen, P. R. (2018). In Vitro ADME Properties of Two Novel Antimicrobial Peptoid-Based Compounds as Potential Agents against Canine Pyoderma. *Molecules*, *23*(3), [630]. https://doi.org/10.3390/molecules23030630

Greenwood, B., Gaye, O., Kamya, M. R., Kibiki, G., Mwapasa, V., Phiri, K. S., ... Schellenberg, D. (2018). Supporting capacity for research on malaria in Africa. *BMJ Global Health*, *3*(2), [e000723]. https://doi.org/10.1136/bmjgh-2018-000723

Greunz, E. M., Krogh, A. K. H., Pieters, W., Ruiz, O. A., Bohner, J., Reckendorf, A., ... Bertelsen, M. F. (2018). THE ACUTE-PHASE AND HEMOSTATIC RESPONSE IN DROMEDARY CAMELS (*CAMELUS DROMEDARIUS*). *Journal of Zoo and Wildlife Medicine*, *49*(2), 361-370. https://doi.org/10.1638/2017-0221.1

Guerra, P. R., Herrero-Fresno, A., Ladero, V., Redruello, B., Dos Santos, T. P., Spiegelhauer, M. R., ... Olsen, J. E. (2018). Putrescine biosynthesis and export genes are essential for normal growth of avian pathogenic *Escherichia coli*. *BMC Microbiology*, *18*, [226]. https://doi.org/10.1186/s12866-018-1355-9

Guerra, P. R., Herrero-Fresno, A., Pors, S. E., Ahmed, S., Wang, D., Thøfner, I., ... Olsen, J. E. (2018). The membrane transporter PotE is required for virulence in avian pathogenic *Escherichia coli* (APEC). *Veterinary Microbiology*, *216*, 38-44. https://doi.org/10.1016/j.vetmic.2018.01.011

Gussenhoven, R., Westerlaken, R. J. J., Ophelders, D. R. M. G., Jobe, A. H., Kemp, M. W., Kallapur, S. G., ... Wolfs, T. G. A. M. (2018). Chorioamnionitis, neuroinflammation, and injury: Timing is key in the preterm ovine fetus. *Journal of Neuroinflammation*, *15*(1), [113]. https://doi.org/10.1186/s12974-018-1149-x

Gussmann, M., Græsbøll, K., Toft, N., Nielsen, S. S., Farre, M., Kirkeby, C., & Halasa, T. (2018). Determinants of antimicrobial treatment for udder health in Danish dairy cattle herds. *Journal of Dairy Science*, *101*(1), 505-517. https://doi.org/10.3168/jds.2017-12994

Hansen, A. E., Gutte, H., Holst, P., Johannesen, H. H., Rahbek, S., Clemmensen, A. E., ... Kjaer, A. (2018). Combined hyperpolarized C-13-pyruvate MRS and F-18-FDG PET (hyperPET) estimates of glycolysis in canine cancer patients. *European Journal of Radiology*, *103*, 6-12. https://doi.org/10.1016/j.ejrad.2018.02.028

Hansen, A. E., Fliedner, F. P., Henriksen, J. R., Jørgensen, J. T., Clemmensen, A. E., Børresen, B., ... Andresen, T. L. (2018). Liposome accumulation in irradiated tumors display important tumor and dose dependent differences. *Nanomedicine: Nanotechnology, Biology and Medicine*, *14*(1), 27-34. https://doi.org/10.1016/j.nano.2017.08.013

Hansen, A. M., Peng, P., Baldry, M., Perez-Gassol, I., Christensen, S. B., Vinther, J. M., ... Franzyk, H. (2018). Lactam hybrid analogues of solonamide B and autoinducing peptides as potent *S. aureus* AgrC antagonists. *European Journal of Medicinal Chemistry*, *152*, 370-376. https://doi.org/10.1016/j.ejmech.2018.04.053

Hansen, L. B. S., Roager, H. M., Søndertoft, N. B., Gøbel, R. J., Kristensen, M. B., Vallès-Colomer, M., ... Pedersen, O. B. (2018). A low-gluten diet induces changes in the intestinal microbiome of healthy Danish adults. *Nature Communications*, *9*, [4630]. https://doi.org/10.1038/s41467-018-07019-x

Hansen, S., Honore, M. L., Riihimaki, M., Pringle, J., Ammentorp, A. H., & Fjeldborg, J. (2018). Seasonal Variation in Tracheal Mucous and Bronchoalveolar Lavage Cytology for Adult Clinically Healthy Stabled Horses. *Journal of Equine Veterinary Science*, *71*, 1-5. https://doi.org/10.1016/j.jevs.2018.09.001

Hansen, S. N., Jørgensen, J. M. B., Nyengaard, J. R., Lykkesfeldt, J., & Tveden-Nyborg, P. (2018). Early life vitamin C deficiency does not alter morphology of hippocampal CA1 pyramidal neurons or markers of synaptic plasticity in a Guinea pig model. *Nutrients*, *10*(6), [749]. https://doi.org/10.3390/nu10060749

Hansen, S. N., Ipsen, D. H., Schou-Pedersen, A. M., Lykkesfeldt, J., & Tveden-Nyborg, P. (2018). Long term Westernized diet leads to region-specific changes in brain signaling mechanisms. *Neuroscience Letters*, *676*, 85-91. https://doi.org/10.1016/j.neulet.2018.04.014

Hansen, S. N., Schou-Pedersen, A. M. V., Lykkesfeldt, J., & Tveden-Nyborg, P. (2018). Spatial Memory Dysfunction Induced by Vitamin C Deficiency Is Associated with Changes in Monoaminergic Neurotransmitters and Aberrant Synapse Formation. *Antioxidants*, *7*(7), 11. [82]. https://doi.org/10.3390/antiox7070082

Harikrishnan, V., Hansen, A. K., Abelson, K. S., & Sørensen, D. B. (2018). A comparison of various methods of blood sampling in mice and rats: Effects on animal welfare. *Laboratory Animals*, *52*(3), 253-264. https://doi.org/10.1177/0023677217741332

Harrison, A. P. (2018). A more precise, repeatable and diagnostic alternative to surface electromyography: an appraisal of the clinical utility of acoustic myography. *Clinical Physiology and Functional Imaging*, *38*(2). https://doi.org/10.1111/cpf.12417

Harrison, A. P., Jensen, A., Riis, K. H., & Riis-Olesen, K. (2018). Non-invasive Assessment of Lameness in Horses with Dorsal Spinous Process Impingement “Kissing spine”: A Case Study. *Multidisciplinary Advances in Veterinary Science* , *1*(6), 257-265.

Hauger, H., Mølgaard, C., Mortensen, C., Ritz, C., Frøkiær, H., Smith, T. J., ... Damsgaard, C. T. (2018). Winter cholecalciferol supplementation at 55°N has no effect on markers of cardiometabolic risk in healthy children aged 4-8 years. *Journal of Nutrition*, *148*(8), 1261-1268. https://doi.org/10.1093/jn/nxy080

Haupt-Jorgensen, M., Larsen, J., Josefsen, K., Jørgensen, T. Z., Antvorskov, J. C., Hansen, A. K., & Buschard, K. (2018). Gluten-free diet during pregnancy alleviates signs of diabetes and celiac disease in NOD mouse offspring. *Diabetes - Metabolism: Research and Reviews (Print Edition)*, *34*(4), [e2987]. https://doi.org/10.1002/dmrr.2987

Heidemann Olsen, R., Christensen, H., Kabell, S., & Bisgaard, M. (2018). Characterization of prevalent bacterial pathogens associated with pododermatitis in table egg layers. *Avian Pathology*, *47*(3), 281-285. https://doi.org/10.1080/03079457.2018.1440066

Henningsen, A., Czekaj, T. G., Forkman, B., Lund, M., & Nielsen, A. S. (2018). The relationship between animal welfare and economic performance at farm level: a quantitative study of Danish pig producers. *Journal of Agricultural Economics*, *69*(1), 142–162. https://doi.org/10.1111/1477-9552.12228

Herrero-Fresno, A., Espinel, I. C., Spiegelhauer, M. R., Guerra, P. R., Andersen, K. W., & Olsen, J. E. (2018). The Homolog of the Gene bstA of the BTP1 Phage from Salmonella enterica Serovar Typhimurium ST313 Is an Antivirulence Gene in Salmonella enterica Serovar Dublin. *Infection and Immunity*, *86*(1), [e00784-17]. https://doi.org/10.1128/IAI.00784-17

Herrero-fresno, A., & Olsen, J. E. (2018). Salmonella Typhimurium metabolism affects virulence in the host – A mini-review. *Food Microbiology*, *71*, 98-110. https://doi.org/10.1016/j.fm.2017.04.016

Hoglund, K., Haggstrom, J., Hanås, S., Merveille, A. -C., Gouni, V., Wiberg, M., ... Ljungvall, I. (2018). Interbreed variation in serum serotonin (5-hydroxytryptamine) concentration in updates healthy dogs. *Journal of Veterinary Cardiology*, *20*(4), 244-253. https://doi.org/10.1016/j.jvc.2018.05.002

Hossain, Z. Z., Leekitcharoenphon, P., Dalsgaard, A., Sultana, R., Begum, A., Jensen, P. K. M., & Hendriksen, R. S. (2018). Comparative genomics of *Vibrio cholerae* O1 isolated from cholera patients in Bangladesh. *Letters in Applied Microbiology*, *67*(4), 329-336. https://doi.org/10.1111/lam.13046

Huang, K., Wang, D., Frederiksen, R. F., Rensing, C., Olsen, J. E., & Fresno, A. H. (2018). Investigation of the role of genes encoding zinc exporters *zntA, zitB*, and *fieF* during *Salmonella* typhimurium infection. *Frontiers in Microbiology*, *8*(1), [2656]. https://doi.org/10.3389/fmicb.2017.02656

Højland, A., Richner, M., Mølgaard, S., Dieu, R. S., Eskelund, A., Nykjær, A., ... Nielsen, M. S. (2018). Biochemical and cognitive effects of docosahexaenoic acid differ in a developmental and SorLA dependent manner. *Behavioural Brain Research*, *348*, 90-100. https://doi.org/10.1016/j.bbr.2018.04.017

Ipsen, D. H., Rolin, B., Rakipovski, G., Skovsted, G. F., Madsen, A., Kolstrup, S., ... Tveden-Nyborg, P. (2018). Liraglutide Decreases Hepatic Inflammation and Injury in Advanced Lean Non-Alcoholic Steatohepatitis. *Basic & Clinical Pharmacology & Toxicology*, *123*(3), 704-713. https://doi.org/10.1111/bcpt.13082

Jaafar, R. M., Al-Jubury, A., Chettri, J. K., Dalsgaard, I., Kania, P. W., & Buchmann, K. (2018). Secondary immune response of rainbow trout following repeated immersion vaccination. *Journal of Fish Diseases*, *41*(1), 117–123. https://doi.org/10.1111/jfd.12682

Jacobsen, S., Christophersen, M. T., Tnibar, A., Jensen, H. E., & Agerholm, J. S. (2018). Surgical treatment of a large congenital cavernous hemangioma on the thorax of a foal. *Equine Veterinary Education*, *30*(6), 289-294. https://doi.org/10.1111/eve.12614

Jacobsen, S., Berg, L. C., Tvermose, E., Laurberg, M. B., & van Galen, G. (2018). Validation of an ELISA for detection of neutrophil gelatinase-associated lipocalin (NGAL) in equine serum. *Veterinary Clinical Pathology*, *47*(4), 603-607. https://doi.org/10.1111/vcp.12670

Jakociune, D., & Moodley, A. (2018). A Rapid Bacteriophage DNA Extraction Method. *Biology Methods and Protocols*, *1*(3), [27]. https://doi.org/10.3390/mps1030027

Jansen, T., Hoegberg, L. C. G., Eriksen, T., Haarmark, C., Dalhoff, K., & Belhage, B. (2018). Advanced Electrocardiogram Analysis in the Amitriptyline-poisoned Pig Treated with Activated Charcoal Haemoperfusion. *Basic & Clinical Pharmacology & Toxicology*, *122*(4), 442-447. https://doi.org/10.1111/bcpt.12931

Jardstedt, M., Hessle, A., Nørgaard, P., Frendberg, L., & Nadeau, E. (2018). Intake and feed utilization in two breeds of pregnant beef cows fed forages with high-fiber concentrations. *Journal of Animal Science*, *96*(8), 3398-3411. https://doi.org/10.1093/jas/sky199

Jensen, A-M., Ahmed, W., Elbrønd (Bibs), V. S., & Harrison, A. P. (2018). The Efficacy of Intermittent Long-term Bell Boot Application for the Correction of Muscle Asymmetry in Equine Subjects. *Journal of Equine Veterinary Science*, *68*, [73-80]. https://doi.org/10.1016/j.jevs.2018.05.214

Jensen, D. M., Skovsted, G. F., Lykkesfeldt, J., Dreier, R., Berg, J. O., Jeppesen, J. L., ... Møller, P. (2018). Vasomotor dysfunction in human subcutaneous arteries exposed *ex vivo* to food-grade titanium dioxide. *Food and Chemical Toxicology*, *120*, 321-327. https://doi.org/10.1016/j.fct.2018.07.015

Jensen, D. M., Christophersen, D. V., Sheykhzade, M., Skovsted, G. F., Lykkesfeldt, J., Münter, R., ... Møller, P. (2018). Vasomotor function in rat arteries after ex vivo and intragastric exposure to food-grade titanium dioxide and vegetable carbon particles. *Particle and Fibre Toxicology*, *15*, 1-18. [12]. https://doi.org/10.1186/s12989-018-0248-2

Jensen, H. M., Korbut, R., Kania, P. W., & Buchmann, K. (2018). Cannabidiol effects on behaviour and immune gene expression in zebrafish (*Danio rerio*). *PLOS ONE*, *13*(7), [e0200016]. https://doi.org/10.1371/journal.pone.0200016

Jensen, L. K., Henriksen, N. L., Bjarnsholt, T., Kragh, K. N., & Jensen, H. E. (2018). Combined Staining Techniques for Demonstration of *Staphylococcus aureus* Biofilm in Routine Histopathology. *Journal of Bone and Joint Infection*, *3*(1), 27-36. https://doi.org/10.7150/jbji.22799

Jensen, M. L., Sangild, P. T., van Goudoever, J. B., van Harskamp, D., Schierbeek, H., Koletzko, B., ... Thymann, T. (2018). Growth and clinical variables in nitrogen-restricted piglets fed an adjusted essential amino acid mix: Effects of free amino acid-based diets. *Journal of Nutrition*, *148*(7), 1109-1117. https://doi.org/10.1093/jn/nxy072

Jensen, V. S., Hvid, H., Damgaard, J., Nygaard, H., Ingvorsen, C., Wulff, E. M., ... Fledelius, C. (2018). Dietary fat stimulates development of NAFLD more potently than dietary fructose in Sprague-Dawley rats. *Diabetology and Metabolic Syndrome*, *10*, [4]. https://doi.org/10.1186/s13098-018-0307-8

Jensen, V. F. H., Molck, A. M., Soeborg, H., Nowak, J., Chapman, M., Lykkesfeldt, J., & Bogh, I. B. (2018). Proximal Neuropathy and Associated Skeletal Muscle Changes Resembling Denervation Atrophy in Hindlimbs of Chronic Hypoglycaemic Rats. *Basic & Clinical Pharmacology & Toxicology*, *122*(1), 165-175. https://doi.org/10.1111/bcpt.12870

Jiang, X., Cao, Y., Jørgensen, L. V. G., Strobel, B. W., Hansen, H. C. B., & Cedergreen, N. (2018). Where does the toxicity come from in saponin extract? *Chemosphere*, *204*, 243-250. https://doi.org/10.1016/j.chemosphere.2018.04.044

Johnsen, L., Lyckegaard, N. B., Khanal, P., Quistorff, B., Raun, K., & Nielsen, M. O. (2018). Fetal over- and undernutrition differentially program thyroid axis adaptability in adult sheep. *Endocrine Connections*, *7*(5), 777-790. https://doi.org/10.1530/EC-18-0014

Jorgensen, S. D. S., Al Sawaf, M., Graeser, K., Mu, H., Muellertz, A., & Rades, T. (2018). The ability of two in vitro lipolysis models reflecting the human and rat gastro-intestinal conditions to predict the in vivo performance of SNEDDS dosing regimens. *European Journal of Pharmaceutics and Biopharmaceutics*, *124*, 116-124. https://doi.org/10.1016/j.ejpb.2017.12.014

Juhl, S. M., Ye, X., Zhou, P., Li, Y., Iyore, E. O., Zhang, L., ... Sangild, P. T. (2018). Bovine Colostrum for Preterm Infants in the First Days of Life: A Randomized Controlled Pilot Trial. *Journal of Pediatric Gastroenterology and Nutrition*, *66*(3), 471-478. https://doi.org/10.1097/MPG.0000000000001774

Jørgensen, E. L. K., Lazzarini, G., Pirone, A., Jacobsen, S., & Miragliotta, V. (2018). Normal microscopic anatomy of equine body and limb skin: A morphological and immunohistochemical study. *Annals of Anatomy*, (218), 205-2012. [2018]. https://doi.org/10.1016/j.aanat.2018.03.010

Jørgensen, L. V. G., Korbut, R., Jeberg, S., Kania, P. W., & Buchmann, K. (2018). Association between adaptive immunity and neutrophil dynamics in zebrafish (*Danio rerio*) infected by a parasitic ciliate. *PloS One*, *13*(9), [0203297]. https://doi.org/10.1371/journal.pone.0203297

Jørgensen, L. V. G. (2018). Ny teknologi til udvikling af sub-unit vaccine. *BestPractice*, (13), 23-25.

Kabululu, M. L., Ngowi, H. A., Kimera, S. I., Lekule, F. P., Kimbi, E. C., & Johansen, M. V. (2018). Effectiveness of an integrated intervention in the control of endo- and ectoparasites of pigs kept by smallholder farmers in Mbeya rural and Mbozi districts, Tanzania. *Veterinary Parasitology: Regional Studies and Reports*, *13*, 64-73. https://doi.org/10.1016/j.vprsr.2018.03.009

Kachar, M., Sawosz, E., & Chwalibog, A. (2018). Orcas are social mammals. *International Journal of Avian & Wildlife Biology*, *Special Issue 3*(4), 291-295. https://doi.org/10.15406/ijawb.2018.03.00101

Kaiser, M., Jacobsen, S., Andersen, P. H., Bækbo, P., Cerón, J. J., Dahl, J., ... Jacobson, M. (2018). Hormonal and metabolic indicators before and after farrowing in sows affected with postpartum dysgalactia syndrome. *BMC Veterinary Research*, *14*, [334]. https://doi.org/10.1186/s12917-018-1649-z

Kaiser, M., Jacobson, M., Andersen, P. H., Baekbo, P., Ceron, J. J., Dahl, J., ... Jacobsen, S. (2018). Inflammatory markers before and after farrowing in healthy sows and in sows affected with postpartum dysgalactia syndrome. *B M C Veterinary Research*, *14*, [83]. https://doi.org/10.1186/s12917-018-1382-7

Karathanasi, G., Bojer, M. S., Baldry, M., Johannessen, B. A., Wolff, S., Greco, I., ... Ingmer, H. (2018). Linear peptidomimetics as potent antagonists of *Staphylococcus aureus agr* quorum sensing. *Scientific Reports*, *8*(1), [3562]. https://doi.org/10.1038/s41598-018-21951-4

Karlskov-Mortensen, P., Proschowsky, H. F., Gao, F., & Fredholm, M. (2018). Identification of the mutation causing progressive retinal atrophy in Old Danish Pointing Dog. *Animal Genetics*, *49*(3), 237-241. https://doi.org/10.1111/age.12659

Kasperbauer, T. J., Gjerris, M., Waldemar, G., & Sandoe, P. (2018). Communicating identifiability risks to biobank donors. *Cambridge Quarterly of Healthcare Ethics*, *27*(1), 123-136. https://doi.org/10.1017/S0963180117000457

Katakweba, A. A. S., Muhairwa, A. P., Lupindu, A. M., Damborg, P., Rosenkrantz, J. T., Minga, U. M., ... Olsen, J. E. (2018). First Report on a Randomized Investigation of Antimicrobial Resistance in Fecal Indicator Bacteria from Livestock, Poultry, and Humans in Tanzania. *Microbial Drug Resistance*, *24*(3), 260-268. https://doi.org/10.1089/mdr.2016.0297

Kavallari, A., Küster, T., Papadopoulos, E., Hondema, L. S., Øines, Skov, J., ... Tiligada, E. (2018). Avian mite dermatitis: Diagnostic challenges and unmet needs. *Parasite Immunology*, *40*(8), [e12539]. https://doi.org/10.1111/pim.12539

Khumpirapang, N., Chaichit, S., Jiranusornkul, S., Pikulkaew, S., Müllertz, A., & Okonogi, S. (2018). In vivo anesthetic effect and mechanism of action of active compounds from Alpinia galanga oil on Cyprinus carpio (koi carp). *Aquaculture*, *496*, 176-184. https://doi.org/10.1016/j.aquaculture.2018.07.017

Kihl, P., Krych, L., Buschard, K., Wesley, J. D., Kot, W., Hansen, A. K., ... von Herrath, M. G. (2018). Oral insulin does not alter gut microbiota composition of NOD mice. *Diabetes/Metabolism Research and Reviews*, *34*(6), [e3010]. https://doi.org/10.1002/dmrr.3010

Kirkeby, C. T., & Hansen, C. (2018). Blended learning for korte og specialiserede undervisningsforløb. *Dansk Universitetspaedagogisk Tidsskrift*, *13*(25), 107-119.

Kirsch, R., Seemann, S. E., Ruzzo, W. L., Cohen, S. M., Stadler, P. F., & Gorodkin, J. (2018). Identification and characterization of novel conserved RNA structures in Drosophila. *BMC Genomics*, *19*, [899]. https://doi.org/10.1186/s12864-018-5234-4

Kjaergaard, M., Nilsson, C., Nielsen, M. O., Grove, K., & Raun, K. (2018). Hypothalamic oxidative stress and inflammation, and peripheral glucose homeostasis in Sprague-Dawley rat offspring exposed to maternal and postnatal chocolate and soft drink. *Nutrition and Diabetes*, *8*(1), [44]. https://doi.org/10.1038/s41387-018-0051-z

Klaas, I. C., & Zadoks, R. N. (2018). An update on environmental mastitis: Challenging perceptions. *Transboundary and Emerging Diseases*, *65*, 166-185. https://doi.org/10.1111/tbed.12704

Klapper, R., Carballeda-Sangiao, N., Kuhn, T., Jensen, H. M., Buchmann, K., Gonzalez-Muñoz, M., & Karl, H. (2018). Anisakid infection levels in fresh and canned cod liver: Significant reduction through liver surface layer removal. *Food Control*, *92*, 17-24. https://doi.org/10.1016/j.foodcont.2018.04.029

Klein, A., Joseph, P. D., Christensen, V. G., Jensen, L. J., & Jacobsen, J. C. B. (2018). Lack of Tone in Mouse Small Mesenteric Arteries Leads to Outward Remodeling, which can be Prevented by Prolonged Agonist-Induced Vasoconstriction. *American Journal of Physiology: Heart and Circulatory Physiology*, *315*(3), H644-H657. https://doi.org/10.1152/ajpheart.00111.2018

Klit, K. J. M., Pedersen, K. S., & Stege, H. (2018). A prospective cohort study of game-based learning by digital simulation of a pig farm to train agriculture students to reduce piglet mortality. *Porcine Health Management*, *4*(1), [28]. https://doi.org/10.1186/s40813-018-0105-6

Klitgaard, R. N., Jana, B., Guardabassi, L., Nielsen, K. L., & Løbner-Olesen, A. (2018). DNA Damage Repair and Drug Efflux as Potential Targets for Reversing Low or Intermediate Ciprofloxacin Resistance in *E. coli* K-12. *Frontiers in Microbiology*, *9*, [1438]. https://doi.org/10.3389/fmicb.2018.01438

Klærke, D. A., Tejada, M. D. L. A., Christensen, V. G., Lassen, M., Pedersen, P. A., & Callø, K. (2018). Reconstitution and Electrophysiological Characterization of Ion Channels in Lipid Bilayers. *Current Protocols in Pharmacology*, *81*(1), e37. [e37]. https://doi.org/10.1002/cpph.37

Knuhr, K., Langhans, K., Nyenhuis, S., Viertmann, K., Kildemoes, A. O., Doenhoff, M., ... Schramm, G. (2018). *Schistosoma mansoni* Egg-Released IPSE/alpha-1 Dampens Inflammatory Cytokine Responses via Basophil Interleukin (IL)-4 and IL-13. *Frontiers in Immunology*, *9*, [2293]. https://doi.org/10.3389/fimmu.2018.02293

Kongsholm, N. C. H., Lassen, J., & Sandøe, P. (2018). I didn't have anything to decide, I wanted to help my kids" – An interview based study of consent procedures in sampling human biological material for genetic research in rural Pakistan. *AJOB Empirical Bioethics*, *9*(3), 113-127. https://doi.org/10.1080/23294515.2018.1472148

Kortegaard, H. E., Reiter, A. M., Legendre, L., Eriksen, T., Buelund, L. E., & Gorrel, C. (2018). Marsupialization Followed by Curettage of an Extensive Periapical Cyst in the Incisive and Maxillary Bone in a Dog. *Journal of Veterinary Dentistry*, *35*(4), 268-274. https://doi.org/10.1177/0898756418813645

Krawczyk, K. K., Skovsted, G. F., Perisic, L., Dreier, R., Berg, J. O., Hedin, U., ... Swärd, K. (2018). Expression of endothelin type B receptors (EDNRB) on smooth muscle cells is controlled by MKL2, ternary complex factors, and actin dynamics. *American Journal of Physiology - Cell Physiology*, *315*(6), C873-C884. https://doi.org/10.1152/ajpcell.00170.2018

Kristiansen, S. B., Skovsted, G. F., Berchtold, L. A., Radziwon-Balicka, A., Dreisig, K., Edvinsson, L., ... Haanes, K. A. (2018). Role of pannexin and adenosine triphosphate (ATP) following myocardial ischemia/reperfusion. *Scandinavian Cardiovascular Journal*, *52*(6), 340-343. https://doi.org/10.1080/14017431.2018.1552793

Krog, C. H., Agerholm, J. S., & Nielsen, S. S. (2018). Fetal age assessment for Holstein cattle. *PLOS ONE*, *13*(11), [e0207682]. https://doi.org/10.1371/journal.pone.0207682

Krogh, A. K. H., Haaber, J., Bochsen, L., Ingmer, H., & Kristensen, A. T. (2018). Aggregating resistant Staphylococcus aureus induces hypocoagulability, hyperfibrinolysis, phagocytosis, and neutrophil, monocyte, and lymphocyte binding in canine whole blood. *Veterinary Clinical Pathology*, *47*(4), 560-574. https://doi.org/10.1111/vcp.12679

Krogh, M. A., Forkman, B., Østergaard, S., Houe, H., & Sørensen, J. T. (2018). Evaluation of systematic California Mastitis Tests and vaginal examinations as measures of antimicrobial use in dairy herds. *The Veterinary Journal*, *240*, 37-39. https://doi.org/10.1016/j.tvjl.2018.08.011

Krych, L., Kot, W., Bendtsen, K. M. B., Hansen, A. K., Vogensen, F. K., & Nielsen, D. S. (2018). Have you tried spermine? A rapid and cost-effective method to eliminate dextran sodium sulfate inhibition of PCR and RT-PCR. *Journal of Microbiological Methods*, *144*, 1-7. https://doi.org/10.1016/j.mimet.2017.10.015

Kudirkiene, E., Andoh, L. A., Ahmed, S., Herrero Fresno, A., Dalsgaard, A., Obiri-Danso, K., & Olsen, J. E. (2018). The Use of a Combined Bioinformatics Approach to Locate Antibiotic Resistance Genes on Plasmids From Whole Genome Sequences of *Salmonella enterica Serovars* From Humans in Ghana. *Frontiers in Microbiology*, *9*, [1010]. https://doi.org/10.3389/fmicb.2018.01010

Kłodzińska, S. N., Molchanova, N., Franzyk, H., Hansen, P. R., Damborg, P., & Nielsen, H. M. (2018). Biopolymer nanogels improve antibacterial activity and safety profile of a novel lysine-based α-peptide/β-peptoid peptidomimetic. *European Journal of Pharmaceutics and Biopharmaceutics*, *128*, 1-9. https://doi.org/10.1016/j.ejpb.2018.03.012

Labi, A-K., Obeng-Nkrumah, N., Sunkwa-Mills, G., Bediako-Bowan, A., Akufo, C., Bjerrum, S., ... Newman, M. J. (2018). Antibiotic prescribing in paediatric inpatients in Ghana: a multi-centre point prevalence survey. *BMC Pediatrics*, *18*(1), [391]. https://doi.org/10.1186/s12887-018-1367-5

Lahrmann, H. P., Hansen, C. F., D´Eath, R. B., Busch, M. E., Nielsen, J. P., & Forkman, B. (2018). Early intervention with enrichment can prevent tail biting outbreaks in weaner pigs. *Livestock Science*, *214*, 272-277. https://doi.org/10.1016/j.livsci.2018.06.010

Lahrmann, H. P., Hansen, C. F., D'Eath, R., Busch, M. E., & Forkman, B. (2018). Tail posture predicts tail biting outbreaks at pen level in weaner pigs. *Applied Animal Behaviour Science*, *29-35*. https://doi.org/10.1016/j.applanim.2017.12.006

Lal, S., Ndyomugenyi, R., Paintain, L., Alexander, N. D., Hansen, K. S., Magnussen, P., ... Clarke, S. E. (2018). Caregivers' compliance with referral advice: evidence from two studies introducing mRDTs into community case management of malaria in Uganda. *BMC Health Services Research*, *18*, [317]. https://doi.org/10.1186/s12913-018-3124-8

Langhorn, R., Kieler, I. N., Koch, J., Christiansen, L. B., & Jessen, L. R. (2018). Symmetric Dimethylarginine in Cats with Hypertrophic Cardiomyopathy and Diabetes Mellitus. *Journal of Veterinary Internal Medicine*, *32*(1), 57-63. https://doi.org/10.1111/jvim.14902

Langhorn, R., Bjørnvad, C. R., Sandal, A. M. F., Willesen, J., May, M., & Langebæk, R. (2018). A Virtual Veterinary Emergency Clinic: investigation of students perceptions and self-efficacy beliefs. *Dansk Universitetspaedagogisk Tidsskrift*, *13*(25), 120-133. [25].

Larsen, M. S., Juul, R. V., Kreilgaard, M., Kristensen, A. T., & Simonsson, U. S. H. (2018). Impact of trial design on the estimation of drug potency and power in clinical trials of haemophilia with inhibitors. *European Journal of Pharmaceutical Sciences*, *123*, 531-538. https://doi.org/10.1016/j.ejps.2018.07.056

Larsen, M. S., Juul, R. V., Groth, A. V., Simonsson, U. S. H., Kristensen, A. T., Knudsen, T., ... Kreilgaard, M. (2018). Prediction of human pharmacokinetics of activated recombinant factor VII and B-domain truncated factor VIII from animal population pharmacokinetic models of haemophilia. *European Journal of Pharmaceutical Sciences*, *115*, 196-203. https://doi.org/10.1016/j.ejps.2018.01.035

Larsen, R. F., Boysen, L., Jessen, L. R., Guardabassi, L., & Damborg, P. (2018). Diversity of *Staphylococcus pseudintermedius* in carriage sites and skin lesions of dogs with superficial bacterial folliculitis: potential implications for diagnostic testing and therapy. *Veterinary Dermatology*, *29*(4), 291-e100. https://doi.org/10.1111/vde.12549

Lauridsen, D. S., Sandøe, P., & Holm, L. (2018). Being targeted as a “severely overweight pregnant woman” - A qualitative interview study. *Health Expectations*, *21*(5), 878-886. https://doi.org/10.1111/hex.12681

Leinweber, H., Alotaibi, S. M. I., Overballe-Petersen, S., Hansen, F., Hasman, H., Bortolaia, V., ... Ingmer, H. (2018). Vancomycin resistance in Enterococcus faecium isolated from Danish chicken meat is located on a pVEF4-like plasmid persisting in poultry for 18 years. *International Journal of Antimicrobial Agents*, *52*(2), 283-286. https://doi.org/10.1016/j.ijantimicag.2018.03.019

Levecke, B., Kaplan, R. M., Thamsborg, S. M., Torgerson, P. R., Vercruysse, J., & Dobson, R. J. (2018). How to improve the standardization and the diagnostic performance of the fecal egg count reduction test? *Veterinary Parasitology*, *253*, 71-78. https://doi.org/10.1016/j.vetpar.2018.02.004

Levsen, A., Svanevik, C. S., Cipriani, P., Mattiucci, S., Gay, M., Hastie, L. C., ... Pierce, G. J. (2018). A survey of zoonotic nematodes of commercial key fish species from major European fishing grounds-Introducing the FP7 PARASITE exposure assessment study. *Fisheries Research*, *202*, 4-21. https://doi.org/10.1016/j.fishres.2017.09.009

Li, D., Secher, J., Hyttel, P., Ivask, M., Kolko, M., Hall, V. J., & Freude, K. K. (2018). Generation of transgene-free porcine intermediate type induced pluripotent stem cells. *Cell Cycle*, *17*(23), 2547-2563. https://doi.org/10.1080/15384101.2018.1548790

Li, Y., Nguyen, D. N., Obelitz-Ryom, K., Andersen, A. D., Thymann, T., Chatterton, D. E. W., ... Sangild, P. T. (2018). Bioactive Whey Protein Concentrate and Lactose Stimulate Gut Function in Formula-Fed Preterm Pigs. *Journal of Pediatric Gastroenterology and Nutrition*, *66*(1), 128-134. https://doi.org/10.1097/MPG.0000000000001699

Lindebo Holm, T., Tornehave, D., Søndergaard, H., Kvist, P. H., Sondergaard, B-C., Hansen, L., ... Lundsgaard, D. (2018). Evaluating IL-21 as a Potential Therapeutic Target in Crohn's Disease. *Gastroenterology Research and Practice*, *2018*, [5962624]. https://doi.org/10.1155/2018/5962624

Lu, C., Kania, P. W., & Buchmann, K. (2018). Particle effects on fish gills: An immunogenetic approach for rainbow trout and zebrafish. *Aquaculture*, *484*, 98-104. https://doi.org/10.1016/j.aquaculture.2017.11.005

Lund, T. B., Brodersen, J., & Sandøe, P. (2018). A study of anti-fat bias among Danish general practitioners and whether this bias and general practitioners' lifestyle can affect treatment of tension headache in patients with obesity. *Obesity Facts*, *11*(6), 501-513. https://doi.org/10.1159/000493373

Léger, A., Stärk, K. D. C., Rushton, J., & Nielsen, L. R. (2018). A One Health evaluation of the University of Copenhagen research centre for control of antibiotic resistance. *Frontiers in Veterinary Science*, *5*, [194]. https://doi.org/10.3389/fvets.2018.00194

Löfqvist, K., Kjelgaard-Hansen, M., & Nielsen, M. B. M. (2018). Usefulness of C-reactive protein and serum amyloid A in early detection of postoperative infectious complications to tibial plateau leveling osteotomy in dogs. *Acta Veterinaria Scandinavica*, *60*(1), [30]. https://doi.org/10.1186/s13028-018-0385-5

Lüthje, F. L., Skovgaard, K., Jensen, H. E., & Kruse Jensen, L. (2018). Pigs are useful for the molecular study of bone inflammation and regeneration in humans. *Laboratory Animals*, *52*(6), 630-640. https://doi.org/10.1177/0023677218766391

Madoshi, B. P., Mtambo, M. M. A., Muhairwa, A. P., Lupindu, A. M., & Olsen, J. E. (2018). Isolation of vancomycin-resistant *Enterococcus* from apparently healthy human animal attendants, cattle and cattle wastes in Tanzania. *Journal of Applied Microbiology*, *124*(5), 1303-1310. https://doi.org/10.1111/jam.13722

Madsen, M. B., Kogelman, L. J. A., Kadarmideen, H. N., & Rasmussen, H. B. (2018). Systems genetics analysis of pharmacogenomics variation during antidepressant treatment. *The Pharmacogenomics Journal*, *18*, 144-152. https://doi.org/10.1038/tpj.2016.68

Mahmmod, Y. S., Klaas, I. C., Svennesen, L., Pedersen, K., & Ingmer, H. (2018). Communications of Staphylococcus aureus and non-aureus Staphylococcus species from bovine intramammary infections and teat apex colonization. *Journal of Dairy Science*, *101*(8), 7322-7333. https://doi.org/10.3168/jds.2017-14311

Mahmmod, Y. S., Nonnemann, B., Svennesen, L., Pedersen, K., & Klaas, I. C. (2018). Typeability of MALDI-TOF assay for identification of non-aureus staphylococci associated with bovine intramammary infections and teat apex colonization. *Journal of Dairy Science*, *101*(10), 9430–9438. https://doi.org/10.3168/jds.2018-14579

Manav, M. C., Beljantseva, J., Bojer, M. S., Tenson, T., Ingmer, H., Hauryliuk, V., & Brodersen, D. E. (2018). Structural basis for (p)ppGpp synthesis by the *Staphylococcus aureus* small alarmone synthetase RelP. *The Journal of Biological Chemistry*, *293*(9), 3254-3264. https://doi.org/10.1074/jbc.RA117.001374

Mansouryar, M., Mirzaei-Alamouti, H., Banadaky, M. D., & Nielsen, M. O. (2018). Calving body condition score combined with milk test data and rectal tempreture improved the prognostic value of non-invasive markers for infectious diseases in Holestein cows. *Livestock Science*, *212*, 69-74. https://doi.org/10.1016/j.livsci.2018.03.021

Mansouryar, M., Mirzaei-Alamouti, H., Dehghan Banadaky, M., Sauerwein, H., Mielenz, M., & Nielsen, M. O. (2018). Short communication: Relationship between body condition score and plasma adipokines in early-lactating Holstein dairy cows. *Journal of Dairy Science*, *101*(9), 8552-8558. https://doi.org/10.3168/jds.2017-14122

Marschner, C. B., Wiinberg, B., Tarnow, I., Markussen, B., Kühnel, L., Bochsen, L., & Kristensen, A. T. (2018). The influence of inflammation and hematocrit on clot strength in canine thromboelastographic hypercoagulability. *Journal of Veterinary Emergency and Critical Care*, *28*(1), 20-30. https://doi.org/10.1111/vec.12675

Massacci, F. R., Magistrali, C. F., Cucco, L., Curcio, L., Bano, L., Mangili, P. M., ... Christensen, H. (2018). Characterization of Pasteurella multocida involved in rabbit infections. *Veterinary Microbiology*, *213*, 66-72. https://doi.org/10.1016/j.vetmic.2017.11.023

Mathiesen, R., Birch, J. M., Chriél, M., Jensen, H. E., Agger, J. F., Heegaard, P. M. H., & Struve, T. (2018). Mink (*Neovison vison*) kits with pre-weaning diarrhea have elevated serum amyloid A levels and intestinal pathomorphological similarities with New Neonatal Porcine Diarrhea Syndrome. *Acta Veterinaria Scandinavica*, *60*(1), [48]. https://doi.org/10.1186/s13028-018-0403-7

Mentzel, C. M. J., Cardoso, T. F., Pipper, C. B., Jacobsen, M. J., Jørgensen, C. B., Cirera, S., & Fredholm, M. (2018). Deregulation of obesity-relevant genes is associated with progression in BMI and the amount of adipose tissue in pigs. *Molecular Genetics and Genomics*, *293*(1), 129–136. https://doi.org/10.1007/s00438-017-1369-2

Meurs, K. M., Olsen, L. H., Reimann, M. J., Keene, B. W., Atkins, C. E., Adin, D., ... Woodruff, K. (2018). Angiotensin-converting enzyme activity in Cavalier King Charles Spaniels with an ACE gene polymorphism and myxomatous mitral valve disease. *Pharmacogenetics and Genomics*, *28*(2), 37-40. https://doi.org/10.1097/FPC.0000000000000322

Midttun, H. L. E., Acevedo, N., Skallerup, P., Almeida, S., Skovgaard, K., Andresen, L., ... Williams, A. R. (2018). *Ascaris suum* infection down-regulates inflammatory pathways in the pig intestine in vivo and in human dendritic cells in vitro. *The Journal of Infectious Diseases*, *217*(2), 310-319. https://doi.org/10.1093/infdis/jix585

Midttun, H. L. E., Ramsay, A., Mueller-Harvey, I., & Williams, A. R. (2018). Cocoa procyanidins modulate transcriptional pathways linked to inflammation and metabolism in human dendritic cells. *Food & Function*, (9), 2883-2890. https://doi.org/10.1039/c8fo00387d

Mikkelsen, M. L. G., Ambrus, R., Rasmussen, R., Miles, J. E., Poulsen, H. H., Moltke, F. B., & Eriksen, T. (2018). The influence of norepinephrine and phenylephrine on cerebral perfusion and oxygenation during propofol-remifentanil and propofol-remifentanil-dexmedetomidine anaesthesia in piglets. *Acta Veterinaria Scandinavica*, *60*, [8]. https://doi.org/10.1186/s13028-018-0362-z

Miskowiak, K. W., Macoveanu, J., Jørgensen, M. B., Ott, C. V., Støttrup, M. M., Jensen, H. M., ... Kessing, L. V. (2018). Effect of electroconvulsive therapy on neural response to affective pictures: A randomized, sham-controlled fMRI study. *European Neuropsychopharmacology*, *28*(8), 915-924. https://doi.org/10.1016/j.euroneuro.2018.05.013

Mohamed, I., Kinung'hi, S., Mwinzi, P. N. M., Onkanga, I. O., Andiego, K., Muchiri, G., ... Olsen, A. (2018). Diet and hygiene practices influence morbidity in schoolchildren living in Schistosomiasis endemic areas along Lake Victoria in Kenya and Tanzania: A cross-sectional study. *PLOS Neglected Tropical Diseases* , *12*(3), [e0006373]. https://doi.org/10.1371/journal.pntd.0006373

Mohammad Karami, A., Bani, A., Pourkazemi, M., Ghasemi, M., Kania, P. W., & Buchmann, K. (2018). Comparative susceptibilities and immune reactions of wild and cultured populations of Caspian trout Salmo trutta caspius to VHSV. *Diseases of Aquatic Organisms*, *128*(3), 187-201. https://doi.org/10.3354/dao03231

Mohammed, J., Hounmanou, Y. M. G., & Thomsen, L. E. (2018). Antimicrobial resistance among clinically relevant bacterial isolates in Accra: a retrospective study. *BMC Research Notes*, *11*(1), [254]. https://doi.org/10.1186/s13104-018-3377-7

Mohammed, J., Ziwa, M. H., Hounmanou, Y. M. G., Kisanga, A., & Tuntufye, H. N. (2018). Molecular Typing and Antimicrobial Susceptibility of Methicillin-Resistant Staphylococcus aureus Isolated from Bovine Milk in Tanzania. *International Journal of Microbiology*, *2018*, [4287431]. https://doi.org/10.1155/2018/4287431

Molchanova, N., Hansen, P. R., Damborg, P., & Franzyk, H. (2018). Fluorinated antimicrobial lysine-based peptidomimetics with activity against methicillin-resistant Staphylococcus pseudintermedius. *Journal of Peptide Science*, *24*(7), [e3098]. https://doi.org/10.1002/psc.3098

Moldal, E. R., Kjelgaard-Hansen, M. J., Peeters, M. E., Nødtvedt, A., & Kirpensteijn, J. (2018). C-reactive protein, glucose and iron concentrations are significantly altered in dogs undergoing open ovariohysterectomy or ovariectomy. *Acta Veterinaria Scandinavica*, *60*(1), [32]. https://doi.org/10.1186/s13028-018-0384-6

More, S. J., Miranda, M. A., Bicout, D., Bøtner, A., Butterworth, A., Calistri, P., ... Gortazar Schmidt, C. (2018). African swine fever in wild boar. *EFSA Journal*, *16*(7), 1-78. [e05344]. https://doi.org/10.2903/j.efsa.2018.5344

More, S. J., Bicout, D., Bøtner, A., Butterworth, A., Calistri, P., Depner, K., ... Michel, V. (2018). Guidance on the assessment criteria for applications for new or modified stunning methods regarding animal protection at the time of killing. *EFSA Journal*, *16*(7), [e05343]. https://doi.org/10.2903/j.efsa.2018.5343

Muñoz-Prieto, A., Nielsen, L. R., Martinez-Subiela, S., Mazeikiene, J., Lopez-Jornet, P., Savić, S., & Tvarijonaviciute, A. (2018). Application of the NEOH Framework for Self-Evaluation of One Health Elements of a Case-Study on Obesity in European Dogs and Dog-Owners. *Frontiers in Veterinary Science*, *5*, [163]. https://doi.org/10.3389/fvets.2018.00163

Muñoz-Prieto, A., Nielsen, L. R., Dąbrowski, R., Bjørnvad, C. R., Söder, J., Lamy, E., ... Tvarijonaviciute, A. (2018). European dog owner perceptions of obesity and factors associated with human and canine obesity. *Scientific Reports*, *8*(1), [13353]. https://doi.org/10.1038/s41598-018-31532-0

Myhill, L. J., Stolzenbach, S., Hansen, T. V. A., Skovgaard, K., Stensvold, C. R., Andersen, L. OB., ... Williams, A. R. (2018). Mucosal Barrier and Th2 Immune Responses Are Enhanced by Dietary Inulin in Pigs Infected With *Trichuris suis*. *Frontiers in Immunology*, *9*, [2557]. https://doi.org/10.3389/fimmu.2018.02557

Mærkedahl, R. B., Frøkiær, H., Stenbæk, M. G., Nielsen, C. B., Lind, M. V., Lundtoft, C., ... Lauritzen, L. (2018). *In vivo* and e*x vivo* inflammatory markers of common metabolic phenotypes in humans. *Metabolic Syndrome and Related Disorders*, *16*(1), 29-39. https://doi.org/10.1089/met.2017.0121

Møller, F. T., Mølbak, K., & Ethelberg, S. (2018). Analysis of consumer food purchase data used for outbreak investigations, a review. *Eurosurveillance*, *23*(24). https://doi.org/10.2807/1560-7917.ES.2018.23.24.1700503

Nasser, A., Møller, A. T., Hellmund, V., Thorborg, S. S., Jespersgaard, C., Bjerrum, O. J., ... Møller, L. B. (2018). Heterozygous mutations in GTP-cyclohydrolase-1 reduce BH4 biosynthesis but not pain sensitivity. *Pain*, *159*(6), 1012-1024. https://doi.org/10.1097/j.pain.0000000000001175

Nguyen, D. N., Thymann, T., Goericke-Pesch, S. K., Ren, S., Wei, W., Skovgaard, K., ... Sangild, P. T. (2018). Prenatal Intra-Amniotic Endotoxin Induces Fetal Gut and Lung Immune Responses and Postnatal Systemic Inflammation in Preterm Pigs. *American Journal of Pathology*, *188*(11), 2629-2643. https://doi.org/10.1016/j.ajpath.2018.07.020

Nguyen, H. M., Tatonova, Y. V., & Madsen, H. (2018). Infections by Hepatic Trematodes in Cats from Slaughterhouses in Vietnam. *Journal of Parasitology*, *104*(3), 306-309. https://doi.org/10.1645/18-5

Nielsen, G. B., Nielsen, J. P., Haugegaard, J., Leth, S. C., Larsen, L. E., Kristensen, C. S., ... Houe, H. (2018). Comparison of serum pools and oral fluid samples for detection of porcine circovirus type 2 by quantitative real-time PCR in finisher pigs. *Porcine Health Management*, *4*, [2]. https://doi.org/10.1186/s40813-018-0079-4

Nielsen, J., Krause, T. G., & Mølbak, K. (2018). Influenza-associated mortality determined from all-cause mortality, Denmark 2010/11-2016/17: The FluMOMO model. *Influenza and Other Respiratory Viruses*, *12*(5), 591-604. https://doi.org/10.1111/irv.2018.12.issue-5

Nielsen, K. M., Jørgensen, N. P., Kyneb, M. H., Borghammer, P., Meyer, R. L., Thomsen, T. R., ... Alstrup, A. K. O. (2018). Preclinical evaluation of potential infection-imaging probe [^{68}Ga]Ga-DOTA-K-A9 in sterile and infectious inflammation. *Journal of Labelled Compounds and Radiopharmaceuticals*, *61*(10), 780-795. https://doi.org/10.1002/jlcr.3640

Nielsen, M. B. M., Willesen, J., Müller, A., Poulsen, H. H., & Miles, J. E. (2018). Udredning og kirurgisk behandling: af en Cavalier King Charles-spaniel med et pulmonært fremmedlegeme. *Dansk Veterinaertidsskrift*, *2018*(8), 32-36.

Nielsen, P. P., Jensen, M. B., Halekoh, U., & Lidfors, L. (2018). Effect of portion size and milk flow on the use of a milk feeder and the development of cross-sucking in dairy calves. *Applied Animal Behaviour Science*, *200*, 23-28. https://doi.org/10.1016/j.applanim.2017.11.012

Nielsen, P. P., Fontana, I., Sloth, K. H., Guarino, M., & Blokhuis, H. (2018). Technical note: Validation and comparison of 2 commercially available activity loggers. *Journal of Dairy Science*, *101*(6), 5449-5453. https://doi.org/10.3168/jds.2017-13784

Nielsen, S. E., Kristensen, A. R., & Moustsen, V. A. (2018). Litter size of Danish crossbred sows increased without changes in sow body dimensions over a thirteen year period. *Livestock Science*, *209*, 73-76. https://doi.org/10.1016/j.livsci.2018.01.015

Niero, G., Bortolaia, V., Vanni, M., Intorre, L., Guardabassi, L., & Piccirillo, A. (2018). High diversity of genes and plasmids encoding resistance to third-generation cephalosporins and quinolones in clinical Escherichia coli from commercial poultry flocks in Italy. *Veterinary Microbiology*, *216*, 93-98. https://doi.org/10.1016/j.vetmic.2018.02.012

Niine, T., Dorbek-Kolin, E., Lassen, B., & Orro, T. (2018). *Cryptosporidium* outbreak in calves on a large dairy farm: Effect of treatment and the association with the inflammatory response and short-term weight gain. *Research in Veterinary Science*, *117*, 200-208. https://doi.org/10.1016/j.rvsc.2017.12.015

Nissen, T. D., Brock, C., Lykkesfeldt, J., Lindström, E., & Hultin, L. (2018). Pharmacological modulation of colorectal distension evoked potentials in conscious rats. *Neuropharmacology*, *140*, 193-200. https://doi.org/10.1016/j.neuropharm.2018.07.028

Niu, M., Kebreab, E., Hristov, A. N., Oh, J., Arndt, C., Bannink, A., ... Yu, Z. (2018). Prediction of enteric methane production, yield, and intensity in dairy cattle using an intercontinental database. *Global Change Biology*, *247*(8), 3368-3389. https://doi.org/10.1111/gcb.14094

Nøhr-Meldgaard, K., Ovsepian, A., Ingmer, H., & Vestergaard, M. (2018). Resveratrol enhances the efficacy of aminoglycosides against Staphylococcus aureus. *International Journal of Antimicrobial Agents*, *52*(3), 390-396. https://doi.org/10.1016/j.ijantimicag.2018.06.005

Nørgaard, S. A., Sand, F. W., Sørensen, D. B., Abelson, K. S., & Søndergaard, H. (2018). Softened food reduces weight loss in the streptozotocin-induced male mouse model of diabetic nephropathy. *Laboratory Animals*, *52*(4), 373-383. https://doi.org/10.1177/0023677217747915

Nørregaard, R. D., Dang, M., Bach, L., Geertz-Hansen, O., Gustavson, K., Aastrup, P., ... Sonne, C. (2018). Comparison of heavy metals, parasites and histopathology in sculpins *(Myoxocephalus spp.)* from two sites at a lead-zinc mine in North East Greenland. *Environmental Research*, *165*, 306-316. https://doi.org/10.1016/j.envres.2018.04.016

Obelitz-Ryom, K., Rendboe, A. K., Nguyen, D. N., Rudloff, S., Brandt, A. B., Nielsen, D. S., ... Bering, S. B. (2018). Bovine Milk Oligosaccharides with Sialyllactose for Preterm Piglets. *Nutrients*, *10*(10), 1-18. [1489]. https://doi.org/10.3390/nu10101489

Odden, A., Denwood, M. J., Stuen, S., Robertson, L. J., Ruiz, A., Hamnes, I. S., ... Enemark, H. L. (2018). Field evaluation of anticoccidial efficacy: A novel approach demonstrates reduced efficacy of toltrazuril against ovine Eimeria spp. in Norway. *International Journal for Parasitology: Drugs and Drug Resistance*, *8*(2), 304-311. https://doi.org/10.1016/j.ijpddr.2018.05.002

Olsen, A., Kinung'hi, S., & Magnussen, P. (2018). Comparison of the impact of different mass drug administration strategies on infection with *Schistosoma mansoni* in Mwanza region, Tanzania - a cluster-randomized controlled trial. *American Journal of Tropical Medicine and Hygiene*, *99*(6), 1573-1579. https://doi.org/10.4269/ajtmh.18-0671

Olsen, J. V., Calvo-Artavia, F. F., Sandøe, P., & Toft, N. (2018). Modeling the cost of eradicating livestock-associated methicillin-resistant *staphylococcus aureus* in countries with a high proportion of positive herds. *Preventive Veterinary Medicine*, *158*, 97-105. https://doi.org/10.1016/j.prevetmed.2018.07.010

Onwugamba, F. C., Fitzgerald, J. R., Rochon, K., Guardabassi, L., Alabi, A., Kühne, S., ... Schaumburg, F. (2018). The role of 'filth flies' in the spread of antimicrobial resistance. *Travel Medicine and Infectious Disease*, *22*, 8-17. https://doi.org/10.1016/j.tmaid.2018.02.007

Osarfo, J., Tagbor, H., Magnussen, P., & Alifrangis, M. (2018). Molecular markers of drug resistance in parasitemic pregnant women in the middle forest belt of Ghana. *American Journal of Tropical Medicine and Hygiene*, *98*(6), 1714-1717. https://doi.org/10.4269/ajtmh.18-0009

Ougaard, M. E., Jensen, H. E., Thuen, I. D., Petersen, E. G., & Kvist, P. H. (2018). Inhibitors of the renin-angiotensin system ameliorates clinical and pathological aspects of experimentally induced nephrotoxic serum nephritis. *Renal Failure*, *40*(1), 640-648. https://doi.org/10.1080/0886022X.2018.1533867

Ougaard, M. K. E., Kvist, P. H., Jensen, H. E., Hess, C., Rune, I., & Søndergaard, H. (2018). Murine nephrotoxic nephritis as a model of chronic kidney disease. *International Journal of Nephrology*, *2018*, [8424502]. https://doi.org/10.1155/2018/8424502

Ougaard, M. E., Sembach, F. E., Kvist, P. H., Tonnesen, M., Frederiksen, K. S., Egfjord, M., ... Galsgaard, E. D. (2018). Temporal Regulation of Glomerular and Cortical Tubulointerstitial Genes Involved in the Development of Nephrotoxic Serum Nephritis. *Nephron*, *140*, 218-230. https://doi.org/10.1159/000492294

Palasca, O., Santos, A., Stolte, C., Gorodkin, J., & Jensen, L. J. (2018). TISSUES 2.0: an integrative web resource on mammalian tissue expression. *Database*, *2018*(1), 1-12. https://doi.org/10.1093/database/bay003

Palmer, C., Pedersen, H. G., & Sandøe, P. (2018). Beyond Castration and Culling: Should We Use Non-surgical, Pharmacological Methods to Control the Sexual Behavior and Reproduction of Animals? *Journal of Agricultural and Environmental Ethics*, *31*(2), 197-218. https://doi.org/10.1007/s10806-018-9718-7

Pan, X., Wenzel, A., Jensen, L. J., & Gorodkin, J. (2018). Genome-wide identification of clusters of predicted microRNA binding sites as microRNA sponge candidates. *PLoS ONE*, *13*(8), [e0202369]. https://doi.org/10.1371/journal.pone.0202369

Pan, X., Xiong, K., Anthon, C., Hyttel, P., Freude, K., Jensen, L. J., & Gorodkin, J. (2018). WebCircRNA: Classifying the Circular RNA Potential of Coding and Noncoding RNA. *Genes*, *9*(11), [536]. https://doi.org/10.3390/genes9110536

Pan, X., Gong, D., Gao, F., & Sangild, P. T. (2018). Diet-dependent changes in the intestinal DNA methylome after introduction of enteral feeding in preterm pigs. *Epigenomics*, *10*(4), 395-408. https://doi.org/10.2217/epi-2017-0122

Pan, X., Gong, D., Nguyen, D. N., Zhang, X., Hu, Q., Lu, H., ... Gao, F. (2018). Early microbial colonization affects DNA methylation of genes related to intestinal immunity and metabolism in preterm pigs. *D N A Research*, *25*(3), 287–296. https://doi.org/10.1093/dnares/dsy001

Paulander, W. E. A., Varming, A. N., Bojer, M. S., Friberg, C., Bæk, K. T., & Ingmer, H. (2018). The *agr* quorum sensing system in *Staphylococcus aureus* cells mediates death of sub-population. *BMC Research Notes*, *11*, [503]. https://doi.org/10.1186/s13104-018-3600-6

Pawlowska-Olszewska, M., Puzio, I., Harrison, A. P., Borkowski, L., Tymicki, G., & Grabos, D. (2018). Supplementation with camelina oil prevents negative changes in the artery in orchidectomized rats. *Journal of physiology and pharmacology : an official journal of the Polish Physiological Society*, *69*(1), 109-116. https://doi.org/10.26402/jpp.2018.1.12

Penagos-Tabares, F., Lange, M. K., Seipp, A., Gärtner, U., Mejer, H., Taubert, A., & Hermosilla, C. (2018). Novel approach to study gastropod-mediated innate immune reactions against metastrongyloid parasites. *Parasitology Research*, *117*(4), 1211-1224. https://doi.org/10.1007/s00436-018-5803-0

Perrin, K. L., Krogh, A. K., Kjelgaard-Hansen, M., Howard, L., Bochsen, L., Kiso, W. K., ... Bertelsen, M. F. (2018). THROMBOELASTOGRAPHY IN THE HEALTHY ASIAN ELEPHANT (ELEPHAS MAXIMUS): REFERENCE INTERVALS AND EFFECTS OF STORAGE. *Journal of Zoo and Wildlife Medicine*, *49*(1), 54-63. https://doi.org/10.1638/2017-0179R.1

Persson, G., Pors, S. E., Thøfner, I. C. N., & Bojesen, A. M. (2018). Vaccination with outer membrane vesicles and the fimbrial protein FlfA offers improved protection against lesions following challenge with Gallibacterium anatis. *Veterinary Microbiology*, *217*, 104-111. https://doi.org/10.1016/j.vetmic.2018.03.010

Pertoldi, C., Jensen, L. F., Alstrup, A. K. O., Munk, O. L., Pedersen, T. B., Sonne, C., ... Jensen, T. H. (2018). Prevalence of skull pathologies in European harbor seals (Phoca vitulina) during 1981–2014. *Mammal Research*, *63*(1), 55-63. https://doi.org/10.1007/s13364-017-0340-2

Petersen, M. B., Wawegama, N. K., Denwood, M., Markham, P. F., Browning, G. F., & Nielsen, L. R. (2018). *Mycoplasma bovis* antibody dynamics in naturally exposed dairy calves according to two diagnostic tests. *BMC Veterinary Research*, *14*(1), [258]. https://doi.org/10.1186/s12917-018-1574-1

Petersen, M. B., Pedersen, J., Holm, D. L., Denwood, M., & Nielsen, L. R. (2018). A longitudinal observational study of the dynamics of Mycoplasma bovis antibodies in naturally exposed and diseased dairy cows. *Journal of Dairy Science*, *101*(8), 7383-7396. https://doi.org/10.3168/jds.2017-14340

Pihl, T. H., Nielsen, M. K., Olsen, S. N., Leifsson, P. S., & Jacobsen, S. (2018). Nonstrangulating intestinal infarctions associated with *Strongylus vulgaris* : Clinical presentation and treatment outcomes of 30 horses (2008-2016) . *Equine Veterinary Journal*, *50*(4), 474-480. https://doi.org/10.1111/evj.12779

Poulsen, L. L., Bisgaard, M., Jørgensen, S. L., Dideriksen, T., Pedersen, J. R., & Christensen, H. (2018). Characterization of Escherichia coli causing cellulitis in broilers. *Veterinary Microbiology*, *225*, 72-78. https://doi.org/10.1016/j.vetmic.2018.09.011

Rasmussen, B. S., Sørensen, C. L., Vester-Glowinski, P. V., Herly, M., Kurbegovic, S., Ørholt, M., ... Fischer-Nielsen, A. (2018). A novel porcine model for future studies of cell-enriched fat grafting. *Plastic and Reconstructive Surgery, Global Open*, *6*(4), [e1735]. https://doi.org/10.1097/GOX.0000000000001735

Rasmussen, K. K., Skat-Rørdam, J., Andersen, P., Warzecha, C. B., Pye, M., Andersen, T. A., ... Larsen, L. A. (2018). The E3 ubiquitin ligase SMURF1 regulates cell-fate specification and outflow tract septation during mammalian heart development. *Scientific Reports*, *8*(1), [9542]. https://doi.org/10.1038/s41598-018-27854-8

Reimer, C., Rubin, C. J., Sharifi, A. R., Ha, N. T., Weigend, S., Waldmann, K. H., ... Simianer, H. (2018). Analysis of porcine body size variation using re-sequencing data of miniature and large pigs 06 Biological Sciences 0604 Genetics. *BMC Genomics*, *19*, [687]. https://doi.org/10.1186/s12864-018-5009-y

Reiten, M., Rousing, T., Thomsen, P. T., Otten, N. D., Forkman, B., Houe, H., ... Kirchner, M. K. (2018). Mortality, diarrhea and respiratory disease in Danish dairy heifer calves: Effect of production system and season. *Preventive Veterinary Medicine*, *155*, 21-26. https://doi.org/10.1016/j.prevetmed.2018.04.007

Remes, N., Kärssin, A., Must, K., Tagel, M., Lassen, B., & Jokelainen, P. (2018). Toxoplasma gondii seroprevalence in free-ranging moose (Alces alces) hunted for human consumption in Estonia: Indicator host species for environmental Toxoplasma gondii oocyst contamination. *Veterinary Parasitology: Regional Studies and Reports*, *11*, 6-11. https://doi.org/10.1016/j.vprsr.2017.11.001

Ren, S., Hui, Y., Obelitz-Ryom, K., Brandt, A. B., Kot, W., Nielsen, D. S., ... Nguyen, D. N. (2018). Neonatal gut and immune maturation is determined more by postnatal age than by postconceptional age in moderately preterm pigs. *American Journal of Physiology: Gastrointestinal and Liver Physiology*, *315*(5), G855-G867. https://doi.org/10.1152/ajpgi.00169.2018

Renaud, G., Petersen, B., Seguin-orlando, A., Bertelsen, M. F., Waller, A., Newton, R., ... Orlando, L. (2018). Improved de novo genomic assembly for the domestic donkey. *Science Advances*, *4*(4), [eaaq0392]. https://doi.org/10.1126/sciadv.aaq0392

Rhodin, M., Persson-Sjodin, E., Egenvall, A., Braganca, F. M. S., Pfau, T., Roepstorff, L., ... Hernlund, E. (2018). Vertical movement symmetry of the withers in horses with induced forelimb and hindlimb lameness at trot. *Equine Veterinary Journal*, *50*(6), 818-824. https://doi.org/10.1111/evj.12844

Ronco, T., Klaas, I. C., Stegger, M., Svennesen, L., Astrup, L. B., Farre, M., & Pedersen, K. (2018). Genomic investigation of *Staphylococcus aureus* isolates from bulk tank milk and dairy cows with clinical mastitis. *Veterinary Microbiology*, *215*, 35-42. https://doi.org/10.1016/j.vetmic.2018.01.003

Rune, I., Rolin, B., Lykkesfeldt, J., Nielsen, D. S., Krych, Ł., Kanter, J. E., ... Hansen, A. K. (2018). Long-term Western diet fed apolipoprotein E-deficient rats exhibit only modest early atherosclerotic characteristics. *Scientific Reports*, *8*(1), [5416]. https://doi.org/10.1038/s41598-018-23835-z

Rutherford, K. M. D., Thompson, C. S., Thomson, J. R., Lawrence, A. B., Nielsen, E. O., Busch, M. E., ... Sandøe, P. (2018). A study of associations between gastric ulcers and the behaviour of finisher pigs. *Livestock Science*, *212*, 45-51. https://doi.org/10.1016/j.livsci.2018.03.013

Rüegg, S. R., Nielsen, L. R., Buttigieg, S. C., Santa, M., Aragrande, M., Canali, M., ... Häsler, B. (2018). A Systems Approach to Evaluate One Health Initiatives. *Frontiers in Veterinary Science*, *5*, [23]. https://doi.org/10.3389/fvets.2018.00023

Sabarinathan, R., Anthon, C., Gorodkin, J., & Seemann, S. E. (2018). Multiple Sequence Alignments Enhance Boundary Definition of RNA Structures. *Genes*, *9*(12), [604]. https://doi.org/10.3390/genes9120604

Sadaka, C., Damborg, P., & Watts, J. L. (2018). High-throughput screen identifying the thiosemicarbazone NSC319726 compound as a potent antimicrobial lead against resistant strains of *Escherichia coli*. *Biomolecules*, *8*(4), [166]. https://doi.org/10.3390/biom8040166

Sakthikumar, S., Elvers, I., Kim, J., Arendt, M. L., Thomas, R., Turner-Maier, J., ... Lindblad-Toh, K. (2018). SETD2 Is Recurrently Mutated in Whole-Exome Sequenced Canine Osteosarcoma. *Cancer Research*, *78*(13), 3421-3431. https://doi.org/10.1158/0008-5472.CAN-17-3558

Salleh, S. M., Mazzoni, G., Løvendahl, P., & Kadarmideen, H. N. (2018). Gene co-expression networks from RNA sequencing of dairy cattle identifies genes and pathways affecting feed efficiency. *BMC Bioinformatics*, *19*, [513]. https://doi.org/10.1186/s12859-018-2553-z

Salleh, S. B. M., Mazzoni, G., Nielsen, M. O., Løvendahl, P., & Kadarmideen, H. (2018). Identification of Expression QTLs Targeting Candidate Genes for Residual Feed Intake in Dairy Cattle Using Systems Genomics. *Journal of genetics and genome research*, *5*(1), [035]. https://doi.org/10.23937/2378-3648/1410035

Samuelsen, Ø., Hansen, F., Aasnæs, B., Hasman, H., Lund, B. A., Leiros, H. K. S., ... Hammerum, A. M. (2018). Dissemination and characteristics of a novel plasmid-encoded carbapenem-hydrolyzing class D β-lactamase, OXA-436, found in isolates from four patients at six different hospitals in Denmark. *Antimicrobial Agents and Chemotherapy*, *62*(1), [e01260-17]. https://doi.org/10.1128/AAC.01260-17

Sandøe, P., Nørspang, A. P., Kondrup, S. V., Bjørnvad, C. R., Forkman, B., & Lund, T. B. (2018). Roaming companion cats as potential causes of conflict and controversy: A representative questionnaire study of the Danish public. *Anthrozoos*, *31*(4), 459-473. https://doi.org/10.1080/08927936.2018.1483870

Sangild, P. T., Shen, R. L., Pontoppidan, P., & Rathe, M. (2018). Animal models of chemotherapy-induced mucositis: Translational relevance and challenges. *American Journal of Physiology - Gastrointestinal and Liver Physiology*, *314*(2), G231-G246. https://doi.org/10.1152/ajpgi.00204.2017

Sawosz, E., Łukasiewicz, M., Łozicki, A., Sosnowska, M., Jaworski, S., Niemiec, J., ... Chwalibog, A. (2018). Effect of copper nanoparticles on the mineral content of tissues and droppings, and growth of chickens. *Archives of Animal Nutrition*, *72*(5), 396-406. https://doi.org/10.1080/1745039X.2018.1505146

Schnell, I. B., Bohmann, K., Schultze, S. E., Richter, S. R., Murray, D. C., Sinding, M. H. S., ... Gilbert, M. T. P. (2018). Debugging diversity – a pan-continental exploration of the potential of terrestrial blood-feeding leeches as a vertebrate monitoring tool. *Molecular Ecology Resources*, *18*(6), 1282-1298. https://doi.org/10.1111/1755-0998.12912

Schou-Pedersen, A. M. V., & Lykkesfeldt, J. (2018). Comparison of Three Sample Preparation Procedures for the Quantification of L-Arginine, Asymmetric Dimethylarginine, and Symmetric Dimethylarginine in Human Plasma Using HPLC-FLD. *Journal of Analytical Methods in Chemistry*, *2018*, [6148515]. https://doi.org/10.1155/2018/6148515

Schultz, R. M., & Elbrønd, V. (2018). Novel dissection approach of equine back muscles: new advances in anatomy and topography - and comparison to present literature. *SPG BioMed*, *1*(2). https://doi.org/10.32392/biomed.28

Schwartz, D., Pusterla, N., Jacobsen, S., & Christopher, M. M. (2018). Analytical validation of a new point-of-care assay for serum amyloid A in horses. *Equine Veterinary Journal*, *50*(5), 678-683. https://doi.org/10.1111/evj.12807

Scott, W. K., Medie, F. M., Ruffin, F., Sharma-Kuinkel, B. K., Cyr, D. D., Guo, S., ... Fowler, V. G. (2018). Human genetic variation in *GLS2* is associated with development of complicated *Staphylococcus aureus* bacteremia. *P L o S Genetics*, *14*(10), 1-22. [e1007667]. https://doi.org/10.1371/journal.pgen.1007667

Seyedmousavi, S., Bosco, S. D. M. G., De Hoog, S., Ebel, F., Elad, D., Gomes, R. R., ... Guillot, J. (2018). Fungal infections in animals: a patchwork of different situations. *Medical Mycology*, *56*(suppl_1), 165-187. https://doi.org/10.1093/mmy/myx104

Skinkyte-Juskiene, R., Kogelman, L. J. A., & Kadarmideen, H. N. (2018). Transcription factor co-expression networks of adipose RNA-Seq data reveal regulatory mechanisms of obesity. *Current Genomics*, *19*(4), 289-299. https://doi.org/10.2174/1389202918666171005095059

Skot, A. T. A., Vadalasetty, K. P., Lukasiewicz, M., Jaworski, S., Wierzbicki, M., Chwalibog, A., & Sawosz, E. (2018). Effect of different levels of copper nanoparticles and copper sulphate on performance, metabolism and blood biochemical profiles in broiler chicken. *Journal of Animal Physiology and Animal Nutrition*, *102*(1), e364–e373. https://doi.org/10.1111/jpn.12754

Skov, J., Chettri, J. K., Jaafar, R. M., Kania, P. W., Dalsgaard, I., & Buchmann, K. (2018). Effects of soluble immunostimulants on mucosal immune responses in rainbow trout immersion-vaccinated against Yersinia ruckeri. *Aquaculture*, *492*, 237-246. https://doi.org/10.1016/j.aquaculture.2018.04.011

Skovmand, A., Lauvas, A. J., Christensen, P., Vogel, U., Hougaard, K. S., & Goericke-Pesch, S. (2018). Pulmonary exposure to carbonaceous nanomaterials and sperm quality. *Particle and Fibre Toxicology*, *15*, [10]. https://doi.org/10.1186/s12989-018-0242-8

Sode, J., Vogel, U., Bank, S., Andersen, P. S., Hetland, M. L., Locht, H., ... Andersen, V. (2018). Confirmation of an IRAK3 polymorphism as a genetic marker predicting response to anti-TNF treatment in rheumatoid arthritis. *Pharmacogenomics Journal*, *18*, 81-86. https://doi.org/10.1038/tpj.2016.66

Sode, J., Bank, S., Vogel, U., Andersen, P. S., Sørensen, S. B., Bojesen, A. B., ... Andersen, V. (2018). Genetically determined high activities of the TNF-alpha, IL23/IL17, and NFkB pathways were associated with increased risk of ankylosing spondylitis. *BMC Medical Genetics*, *19*, [165]. https://doi.org/10.1186/s12881-018-0680-z

Sokolova, M., Buchmann, K., Huwer, B., Kania, P. W., Krumme, U., Galatius, A., ... Behrens, J. (2018). Spatial patterns in infection of cod *Gadus morhua* with the seal-associated liver worm Contracaecum osculatum from the Skagerrak to the Central Baltic Sea. *Marine Ecology - Progress Series*, *606*, 105-118. https://doi.org/10.3354/meps12773

Sonne, C., Leifsson, P. S., Søndergaard, J., & Dietz, R. (2018). Hepatic and renal histology and mercury concentrations of North West and North East Greenland narwhals (*Monodon monoceros*). *Journal of Toxicology and Environmental Health - Part A: Current Issues*, *81*(8), 202-211. https://doi.org/10.1080/15287394.2018.1435601

Sonne, C., Andersen-Ranberg, E., Rajala, E. L., Agerholm, J. S., Bonefeld-Jørgensen, E., Desforges, J. P., ... Magnusson, U. (2018). Prevalence of antibodies against Brucella spp. in West Greenland polar bears (Ursus maritimus) and East Greenland muskoxen (Ovibos moschatus). *Polar Biology*, *41*(9), 1671-1680. https://doi.org/10.1007/s00300-018-2307-4

Sonne, C., Andersen-Ranberg, E., Rajala, E. L., Agerholm, J. S., Bonefeld-Jørgensen, E., Desforges, J. P., ... Magnusson, U. (2018). Seroprevalence for Brucella spp. in Baltic ringed seals (Phoca hispida) and East Greenland harp (Pagophilus groenlandicus) and hooded (Cystophora cristata) seals. *Veterinary Immunology and Immunopathology*, *198*, 14-18. https://doi.org/10.1016/j.vetimm.2018.02.005

Sosnowska, M. E., Jankiewicz, U., Kutwin, M., Chwalibog, A., & Gałązka, A. (2018). Influence of salts and metal nanoparticles on the activity and thermal stability of a recombinant chitinase from Stenotrophomonas maltophilia N4. *Enzyme and Microbial Technology*, *116*, 6-15. https://doi.org/10.1016/j.enzmictec.2018.05.003

Sosthenes, N., Mhongole, O. J., Katakweba, A. A. S., Dalsgaard, A., & Hammerthon Mdegela, R. (2018). Prevalence, Pathogenic Markers and Antibiotic Susceptibility of Vibrio cholerae in Sardines, Water and Phytoplankton in Lake Tanganyika, Tanzania. *International Journal of Agriculture, Forestry and Fisheries*, *6*(2), 29-34.

Stagaard, R., Flick, M. J., Bojko, B., Goryński, K., Goryńska, P. Z., Ley, C. D., ... Knudsen, T. (2018). Abrogating fibrinolysis does not improve bleeding or rFVIIa/rFVIII treatment in a non-mucosal venous injury model in haemophilic rodents. *Journal of Thrombosis and Haemostasis*, *16*(7), 1369-1382. https://doi.org/10.1111/jth.14148

Stagaard, R., Ley, C. D., Almholt, K., Olsen, L. H., Knudsen, T., & Flick, M. J. (2018). Absence of functional compensation between coagulation factor VIII and plasminogen in double-knockout mice. *Blood advances*, *2*(22), 3126-3136. https://doi.org/10.1182/bloodadvances.2018024851

Stauffer, Jr., J. R., & Madsen, H. (2018). A one health approach to reducing schistosomiasis transmission in Lake Malawi. *Preventive Medicine and Community Health*, *1*(3), 1-4. https://doi.org/10.15761/PMCH.1000115

Strojny, B., Sawosz, E., Grodzik, M., Jaworski, S., Szczepaniak, J., Sosnowska, M. E., ... Chwalibog, A. (2018). Nanostructures of diamond, graphene oxide and graphite inhibit CYP1A2, CYP2D6 and CYP3A4 enzymes and downregulate their genes in liver cells. *International Journal of Nanomedicine*, *13*, 8561-8575. https://doi.org/10.2147/IJN.S188997

Strøm, H. K., Ohtani, M., Nowak, B., Boutrup, T. S., Jones, B., Raida, M. K., & Bojesen, A. M. (2018). Experimental infection by Yersinia ruckeri O1 biotype 2 induces brain lesions and neurological signs in rainbow trout (Oncorhynchus mykiss). *Journal of Fish Diseases*, *41*(3), 529-537. https://doi.org/10.1111/jfd.12754

Stygar, A. H., Dolecheck, K. A., & Kristensen, A. R. (2018). Analyses of body weight patterns in growing pigs: a new view on body weight in pigs for frequent monitoring. *Animal*, *12*(2), 295-302. https://doi.org/10.1017/S1751731117001690

Stygar, A. H., & Kristensen, A. R. (2018). Detecting abnormalities in pigs' growth – A dynamic linear model with diurnal growth pattern for identified and unidentified pigs. *Computers and Electronics in Agriculture*, *155*, 180-189. https://doi.org/10.1016/j.compag.2018.10.004

Summan, A., Nejsum, P., & Williams, A. R. (2018). Modulation of human dendritic cell activity by *Giardia* and helminth antigens. *Parasite Immunology*, *40*(5), [e12525]. https://doi.org/10.1111/pim.12525

Sun, J., Pan, X., Christiansen, L. I., Yuan, X-L., Skovgaard, K., Chatterton, D. E. W., ... Pankratova, S. (2018). Necrotizing enterocolitis is associated with acute brain responses in preterm pigs. *Journal of Neuroinflammation*, *15*, [180]. https://doi.org/10.1186/s12974-018-1201-x

Sun, J., Li, Y., Nguyen, D. N., Mortensen, M. S., van den Akker, C. H. P., Skeath, T., ... Sangild, P. T. (2018). Nutrient Fortification of Human Donor Milk Affects Intestinal Function and Protein Metabolism in Preterm Pigs. *Journal of Nutrition*, *148*(3), 336-347. https://doi.org/10.1093/jn/nxx033

Svennesen, L., Mahmmod, Y. S., Skjølstrup, N. K., Mathiasen, L. R., Katholm, J., Pedersen, K., ... Nielsen, S. S. (2018). Accuracy of qPCR and bacterial culture for the diagnosis of bovine intramammary infections and teat skin colonisation with Streptococcus agalactiae and Staphylococcus aureus using Bayesian analysis. *Preventive Veterinary Medicine*, *161*, 69-74. https://doi.org/10.1016/j.prevetmed.2018.10.013

Søe, M. J., Nejsum, P., Seersholm, F. V., Fredensborg, B. L., Habraken, R., Haase, K., ... Kapel, C. (2018). Ancient DNA from latrines in Northern Europe and the Middle East (500 BC–1700 AD) reveals past parasites and diet. *PLOS ONE*, *13*(4), [e0195481]. https://doi.org/10.1371/journal.pone.0195481

Sørensen, K. U., Tauson, A-H., & Poulsen, H. D. (2018). Long term differentiated phosphorus supply from below to above requirement affects nutrient balance and retention, body weight gain and bone growth in growing-finishing pigs. *Livestock Science*, *211*, 14-20. https://doi.org/10.1016/j.livsci.2018.03.002

Sørensen, T. M., Bjørnvad, C. R., Cordoba, G., Damborg, P., Guardabassi, L., Siersma, V., ... Jessen, L. R. (2018). Effects of Diagnostic Work-Up on Medical Decision-Making for Canine Urinary Tract Infection: An Observational Study in Danish Small Animal Practices. *Journal of Veterinary Internal Medicine*, *32*(2), 743-751. https://doi.org/10.1111/jvim.15048

Tahamtani, F. M., Pedersen, I. J., Toinon, C., & Riber, A. B. (2018). Effects of environmental complexity on fearfulness and learning ability in fast growing broiler chickens. *Applied Animal Behaviour Science*, *207*, 49-56. https://doi.org/10.1016/j.applanim.2018.04.005

Takeuchi-Storm, N., Denwood, M., Petersen, H. H., Enemark, H. L., Stensgaard, A-S., Sengupta, M. E., ... Thamsborg, S. M. (2018). Patterns of *Fasciola hepatica* infection in Danish dairy cattle: implications for on-farm control of the parasite based on different diagnostic methods. *Parasites & Vectors*, *11*, [674]. https://doi.org/10.1186/s13071-018-3248-z

Ternman, E., Pastell, M., Hänninen, L., Agenäs, S., & Nielsen, P. P. (2018). First-night effect on sleep time in dairy cows. *PLoS ONE*, *13*(4), [e0195593]. https://doi.org/10.1371/journal.pone.0195593

Thamsborg, S. M., Johansen, M. V., Nejsum, P., Williams, A. R., & Mejer, H. (2018). Balancing knowledge and basic principles in veterinary parasitology - Competencies for future Danish veterinary graduates. *Veterinary Parasitology*, *252*, 117-119. https://doi.org/10.1016/j.vetpar.2018.01.035

Thapa, S., Thamsborg, S. M., Wang, R., Meyling, N. V., Dalgaard, T. S., Petersen, H. H., & Mejer, H. (2018). Effect of the nematophagous fungus Pochonia chlamydosporia on soil content of ascarid eggs and infection levels in exposed hens. *Parasites & Vectors*, *11*(1), [319]. https://doi.org/10.1186/s13071-018-2898-1

Thøgersen, R., Castro-Mejía, J. L., Sundekilde, U. K., Hansen, L. H., Hansen, A. K., Nielsen, D. S., & Bertram, H. C. (2018). Ingestion of an Inulin-Enriched Pork Sausage Product Positively Modulates the Gut Microbiome and Metabolome of Healthy Rats. *Molecular Nutrition and Food Research*, *62*(19), 1-10. [1800608]. https://doi.org/10.1002/mnfr.201800608

Tirloni, E., Stella, S., de Knegt, L. V., Gandolfi, G., Bernardi, C., & Nauta, M. J. (2018). A quantitative microbial risk assessment model for Listeria monocytogenes in RTE sandwiches. *Microbial Risk Analysis*, *9*, 11-21. https://doi.org/10.1016/j.mran.2018.04.003

Trachsel, D. S., Tejada, M. A., Groesfjeld Christensen, V., Pedersen, P. J., Kanters, J. K., Buhl, R., ... Klaerke, D. A. (2018). Effects of trimethoprim–sulfadiazine and detomidine on the function of equine K_V11.1 channels in a two-electrode voltage-clamp (TEVC) oocyte model. *Journal of Veterinary Pharmacology and Therapeutics*, *41*(4), 536-545. https://doi.org/10.1111/jvp.12502

Tran, K. C., Tran, M. P., Phan, T. V., & Dalsgaard, A. (2018). Quality of antimicrobial products used in white leg shrimp (Litopenaeus vannamei) aquaculture in Northern Vietnam. *Aquaculture*, *482*, 167-175. https://doi.org/10.1016/j.aquaculture.2017.09.038

Tranberg, B., Hellgren, L. I., Lykkesfeldt, J., & Hansen, A. K. (2018). High-fat feeding induces mobilization of vitamin C in obese prone rats. *Research in Veterinary Science*, *119*, 167-169. https://doi.org/10.1016/j.rvsc.2018.06.011

Trevisan, C., Devleesschauwer, B., Praet, N., Pondja, A., Assane, Y. A., Dorny, P., ... Johansen, M. V. (2018). Assessment of the societal cost of Taenia solium in Angónia district, Mozambique. *BMC Infectious Diseases*, *18*(1), [127]. https://doi.org/10.1186/s12879-018-3030-z

Trivedi, U., Madsen, J. S., Everett, J., Fell, C., Russel, J., Haaber, J., ... Sørensen, S. J. (2018). *Staphylococcus aureus* coagulases are exploitable yet stable public goods in clinically relevant conditions. *Proceedings of the National Academy of Sciences of the United States of America*, *115*(50), E11771-E11779. https://doi.org/10.1073/pnas.1804850115

Tulstrup, M. V-L., Roager, H. M., Thaarup, I. C., Frandsen, H. L., Frøkiær, H., Licht, T. R., & Bahl, M. I. (2018). Antibiotic treatment of rat dams affects bacterial colonization and causes decreased weight gain in pups. *Communications Biology*, *1*, [145]. https://doi.org/10.1038/s42003-018-0140-5

Vadalasetty, K. P., Lauridsen, C., Engberg, R. M., Vadalasetty, R. K. P., Kutwin, M., Chwalibog, A., & Sawosz, E. (2018). Influence of silvere nanoparticles on Growth and Health of broiler chickens after infection with *Campylobacter jejuni*. *B M C Veterinary Research*, *14*, [1]. https://doi.org/10.1186/s12917-017-1323-x

Vargas-Bello-Pérez, E., Gómez-Cortés, P., Geldsetzer-Mendoza, C., Morales, M. S., Toro-Mujica, P., Fellenberg, M. A., & Ibáñez, R. A. (2018). Authentication of retail cheeses based on fatty acid composition and multivariate data analysis. *International Dairy Journal*, *85*, 280-284. https://doi.org/10.1016/j.idairyj.2018.06.011

Verland, N., Kaarsholm, H. M., Nørregaard, R. D., Bach, L., Dietz, R., Leifsson, P. S., ... Sonne, C. (2018). Histology of Sculpin spp. in east Greenland. I. Histological measures. *Toxicological and Environmental Chemistry*, *100*(5-7), 607-628. https://doi.org/10.1080/02772248.2019.1572162

Vestergaard, M., Nøhr-Meldgaard, K., & Ingmer, H. (2018). Multiple paths towards reduced membrane potential and concomitant reduction in aminoglycoside susceptibility in staphylococcus aureus. *International Journal of Antimicrobial Agents*, *51*(1), 132-135. https://doi.org/10.1016/j.ijantimicag.2017.08.024

Virtuoso, A., Forkman, B., Sarruf, D. A., Tveden-Nyborg, P., & Sørensen, D. B. (2018). A cafeteria diet alters the decision making strategy and metabolic markers in Sprague-Dawley male rats. *Applied Animal Behaviour Science*, *199*, 35-44. https://doi.org/10.1016/j.applanim.2017.10.012

Vohra, R., Aldana Garcia, B. I., Skytt, D. M., Freude, K., Waagepetersen, H. S., Bergersen, L. H., & Kolko, M. (2018). Essential Roles of Lactate in Müller Cell Survival and Function. *Molecular Neurobiology*, *55*(12), 9108-9121. https://doi.org/10.1007/s12035-018-1056-2

Vu, H. T. H., Hook, S. M., Siqueira, S. D., Müllertz, A., Rades, T., & McDowell, A. (2018). Are phytosomes a superior nanodelivery system for the antioxidant rutin? *International Journal of Pharmaceutics*, *548*(1), 82-91. https://doi.org/10.1016/j.ijpharm.2018.06.042

Wang, C., Pors, S. E., & Bojesen, A. M. (2018). Post mortem survival of gallibacterium anatis in a laying hen experimental infection model. *Avian Diseases*, *62*(2), 195-200. https://doi.org/10.1637/11809-020818-Reg.1

Wang, C., Pors, S. E., Olsen, R. H., & Bojesen, A. M. (2018). Transmission and pathogenicity of Gallibacterium anatis and Escherichia coli in embryonated eggs. *Veterinary Microbiology*, *217*, 76-81. https://doi.org/10.1016/j.vetmic.2018.03.005

Wang, X., Gao, H., Gebremedhin, K. G., Bjerg, B. S., Van Os, J., Tucker, C. B., & Zhang, G. (2018). A predictive model of equivalent temperature index for dairy cattle (ETIC). *Journal of Thermal Biology*, *76*, 165-170. https://doi.org/10.1016/j.jtherbio.2018.07.013

Wang, X., Bjerg, B. S., & Zhang, G. (2018). Design-oriented modelling on cooling performance of the earth-air heat exchanger for livestock housing. *Computers and Electronics in Agriculture*, *152*, 51-58. https://doi.org/10.1016/j.compag.2018.07.006

Wang, Y., Bojer, M. S., George, S. E., Wang, Z., Jensen, P. R., Wolz, C., & Ingmer, H. (2018). Inactivation of TCA cycle enhances *Staphylococcus aureus* persister cell formation in stationary phase. *Scientific Reports*, *8*(1), [10849]. https://doi.org/10.1038/s41598-018-29123-0

Wierzbicki, M., Sawosz, E., Strojny, B., Jaworski, S., Grodzik, M., & Chwalibog, A. (2018). NF-κB-related decrease of glioma angiogenic potential by graphite nanoparticles and graphene oxide nanoplatelets. *Scientific Reports*, *8*(1), [14733]. https://doi.org/10.1038/s41598-018-33179-3

Worsoe, P. S., Sangild, P. T., van Goudoever, J. B., Koletzko, B., van der Beek, E. M., Abrahamse-Berkeveld, M., ... Thymann, T. (2018). Growth and Clinical Variables in Nitrogen-Restricted Piglets Fed an Adjusted Essential Amino Acid Mix: Effects of Partially Intact Protein-Based Diets. *Journal of Nutrition*, *148*(7), 1118-1125. https://doi.org/10.1093/jn/nxy073

Wright, L., Puchalski, S. M., & Lindegaard, C. (2018). Arthroscopic approach and intra-articular anatomy of the equine atlanto-occipital joint. *Veterinary Surgery*, *47*(6), 756-767. https://doi.org/10.1111/vsu.12932

Yassin, M., Sadowska, Z., Tritsaris, K., Kissow, H., Hansen, C. H. F., Forman, J. L., ... Olsen, J. (2018). Rectal insulin instillation inhibits inflammation and tumor development in chemically-induced colitis. *Journal of Crohn's and Colitis*, *12*(12), 1459–1474. https://doi.org/10.1093/ecco-jcc/jjy112

Zaucker, A., Nagorska, A., Kumari, P., Hecker, N., Wang, Y., Huang, S., ... Sampath, K. (2018). Translational co-regulation of a ligand and inhibitor by a conserved RNA element. *Nucleic Acids Research*, *46*(1), 104–119. https://doi.org/10.1093/nar/gkx938

Zhang, Z., Zhang, Q., Xiao, Q., Sun, H., Gao, H., Yang, Y., ... Pan, Y. (2018). Distribution of runs of homozygosity in Chinese and Western pig breeds evaluated by reduced-representation sequencing data. *Animal Genetics*, *49*(6), 579-591. https://doi.org/10.1111/age.12730

Zhang, Z., Xiao, Q., Zhang, Q. Q., Sun, H., Chen, J. C., Li, Z. C., ... Pan, Y. C. (2018). Genomic analysis reveals genes affecting distinct phenotypes among different Chinese and western pig breeds. *Scientific Reports*, *8*, 1-12. [13352]. https://doi.org/10.1038/s41598-018-31802-x

Zuo, S., Kania, P. W., Mehrdana, F., Marana, M. H., & Buchmann, K. (2018). Contracaecum osculatum and other anisakid nematodes in grey seals and cod in the Baltic Sea: molecular and ecological links. *Journal of Helminthology*, *92*(1), 81-89. https://doi.org/10.1017/S0022149X17000025

Østergaard, L. B., Schmiegelow, M. D. S., Bruun, N. E., Skov, R., Andersen, P. S., Larsen, A. R., ... Torp-Pedersen, C. (2018). *Staphylococcus aureus* Bacteremia in Children Aged 5-18 Years-Risk Factors in the New Millennium. *Journal of Pediatrics*, *203*, 108-115. https://doi.org/10.1016/j.jpeds.2018.07.093

Bidrag til tidsskrift - Letter

Sonne, C., Langebaek, R., Dietz, R., Andersen-Ranberg, E., Houser, G., Hansen, A. J., ... Meldgaard, M. (2018). Greenland sled dogs at risk of extinction. *Science*, *360*(6393), 1080-1080. https://doi.org/10.1126/science.aat9578

Bidrag til tidsskrift - Review

Benga, L., Sager, M., & Christensen, H. (2018). From the [*Pasteurella*] *pneumotropica* complex to *Rodentibacter* spp. an update on [*Pasteurella] pneumotropica*. *Veterinary Microbiology*, *217*, 121-134. https://doi.org/10.1016/j.vetmic.2018.03.011

Bering, S. B. (2018). Human milk oligosaccharides to prevent gut dysfunction and necrotizing enterocolitis in preterm neonates. *Nutrients*, *10*(10), [1461]. https://doi.org/10.3390/nu10101461

Bhattarai, S., Framstad, T., & Nielsen, J. P. (2018). Stillbirths in relation to sow hematological parameters at farrowing: A cohort study. *Journal of Swine Health and Production*, *26*(4), 215-222.

Børresen, B., Hansen, A. E., Kjær, A., Andresen, T. L., & Kristensen, A. T. (2018). Liposome-encapsulated chemotherapy: Current evidence for its use in companion animals. *Veterinary and Comparative Oncology*, E1-E15. https://doi.org/10.1111/vco.12342

Gradel, A. K. J., Porsgaard, T., Lykkesfeldt, J., Seested, T., Gram-Nielsen, S., Kristensen, N. R., & Refsgaard, H. (2018). Factors Affecting the Absorption of Subcutaneously Administered Insulin: Effect on Variability. *Journal of Diabetes Research*, *2018*, [1205121]. https://doi.org/10.1155/2018/1205121

Harrison, A. P., & Elbrønd, V. S. (2018). Applied Myo-Fascial Advances in Veterinary Medicine and Practice. *SPG BioMed*, *1*(2). https://doi.org/10.32392/biomed.24.1

Hounmanou, Y. M. G., Mdegela, R. H., Dougnon, T. V., Achoh, M. E., Mhongole, O. J., Agadjihouèdé, H., ... Dalsgaard, A. (2018). Tilapia lake virus threatens tilapiines farming and food security: Socio-economic challenges and preventive measures in Sub-Saharan Africa. *Aquaculture*, *493*, 123-129. https://doi.org/10.1016/j.aquaculture.2018.05.001

Hristov, A. N., Kebreab, E., Niu, M., Oh, J., Bannink, A., Bayat, A. R., ... Yu, Z. (2018). Symposium review: Uncertainties in enteric methane inventories, measurement techniques, and prediction models. *Journal of Dairy Science*, *101*(7), 6655-6674. https://doi.org/10.3168/jds.2017-13536

Ipsen, D. H., Lykkesfeldt, J., & Tveden-Nyborg, P. (2018). Molecular mechanisms of hepatic lipid accumulation in non-alcoholic fatty liver disease. *Cellular and Molecular Life Sciences*, *75*(18), 3313-3327. https://doi.org/10.1007/s00018-018-2860-6

Jensen, V. F. H., Mølck, A. M., Lykkesfeldt, J., & Bøgh, I. B. (2018). Effect of maternal hypoglycaemia during gestation on materno-foetal nutrient transfer and embryo-foetal development: Evidence from experimental studies focused primarily on the rat. *Reproductive Toxicology*, *77*, 1-24. https://doi.org/10.1016/j.reprotox.2018.01.007

Käser, T., Renois, F., Wilson, H. L., Cnudde, T., Gerdts, V., Dillon, J. A. R., ... Meurens, F. (2018). Contribution of the swine model in the study of human sexually transmitted infections. *Infection, Genetics and Evolution*, *66*, 346-360. https://doi.org/10.1016/j.meegid.2017.11.022

McManus, D. P., Dunne, D. W., Sacko, M., Utzinger, J., Vennervald, B. J., & Zhou, X-N. (2018). Schistosomiasis. *Nature Reviews. Disease Primers*, *4*(1), [13]. https://doi.org/10.1038/s41572-018-0013-8

Mikuš, T., Radeski, M., Cziszter, L. T., Dimitrov, I., Jurkovich, V., Nenadović, K., ... Kirchner, M. K. (2018). The Danube Region—On Stream with Animal Welfare Assessment in the Last 35 Years: A Review of Research on Animal Welfare Assessment in a Multi-lingual Area in Europe. *Journal of Agricultural and Environmental Ethics*, *31*(4), 511-526. https://doi.org/10.1007/s10806-018-9737-4

Mirzaei, H., Fathullahzadeh, S., Khanmohammadi, R., Darijani, M., Momeni, F., Masoudifar, A., ... Mirzaei, H. R. (2018). State of the art in microRNA as diagnostic and therapeutic biomarkers in chronic lymphocytic leukemia. *Journal of Cellular Physiology*, *233*(2), 888-900. https://doi.org/10.1002/jcp.25799

Ng, S., Strunk, T., Jiang, P., Muk, T., Sangild, P. T., & Currie, A. (2018). Precision Medicine for Neonatal Sepsis. *Frontiers in Molecular Biosciences*, *5*, [70]. https://doi.org/10.3389/fmolb.2018.00070

Ngcobo, J. N., Nedambale, T. L., Nephawe, K. A., Sawosz, E., & Chwalibog, A. (2018). The future survival of African elephants: implications for conservation. *International Journal of Avian & Wildlife Biology*, *3*(5), 379–384. https://doi.org/10.15406/ijawb.2018.03.00123

Olesen, C. M., Clausen, M., Andersen, P. S., & Agner, T. (2018). The Skin Microbiome in Atopic Dermatitis—a Potential Treatment Target? *Current Dermatology Reports*, *7*(4), 199-208. https://doi.org/10.1007/s13671-018-0245-6

Peña-Espinoza, M., Valente, A. H., Thamsborg, S. M., Simonsen, H. T., Boas, U., Enemark, H. L., ... Williams, A. R. (2018). Antiparasitic activity of chicory (*Cichorium intybus*) and its natural bioactive compounds in livestock: a review. *Parasites & Vectors*, *11*, [475]. https://doi.org/10.1186/s13071-018-3012-4

Plutzer, J., Lassen, B., Jokelainen, P., Djurković-Djaković, O., Kucsera, I., Dorbek-Kolin, E., ... Karanis, P. (2018). Review of cryptosporidium and giardia in the eastern part of Europe, 2016. *Eurosurveillance*, *23*(4), [16-00825]. https://doi.org/10.2807/1560-7917.ES.2018.23.4.16-00825

Rathe, M., Shen, R. L., & Sangild, P. T. (2018). Trophic factors in the treatment and prevention of alimentary tract mucositis. *Current Opinion in Supportive and Palliative Care*, *12*(2), 181-186. https://doi.org/10.1097/SPC.0000000000000340

Rørvang, M. V., Christensen, J. W., Ladewig, J., & McLean, A. (2018). Social learning in horses-fact or fiction? *Frontiers in Veterinary Science*, *5*, [212]. https://doi.org/10.3389/fvets.2018.00212

Sadaka, C., Ellsworth, E., Hansen, P. R., Ewin, R., Damborg, P., & Watts, J. L. (2018). Review on abyssomicins: Inhibitors of the chorismate pathway and folate biosynthesis. *Molecules*, *23*(6), [1371]. https://doi.org/10.3390/molecules23061371

International Society of Chemotherapy (2018). Panton-Valentine leukocidin-positive Staphylococcus aureus: a position statement from the International Society of Chemotherapy. *International Journal of Antimicrobial Agents*, *51*(1), 16-25. https://doi.org/10.1016/j.ijantimicag.2017.11.002

Scott, A., Vadalasetty, K. P., Chwalibog, A., & Sawosz, E. (2018). Copper nanoparticles as an alternative feed additives in poultry diet: A review. *Nanotechnology Reviews*, *7*(1), 69-93. https://doi.org/10.1515/ntrev-2017-0159

Skovbakke, S. L., Holdfeldt , A., Forsman, H., Bylund, J., & Franzyk, H. (2018). The Role of Formyl Peptide Receptors for Immunomodulatory Activities of Antimicrobial Peptides and Peptidomimetics. *Current Pharmaceutical Design*, *24*(10), 1100-1120. https://doi.org/10.2174/1381612824666180403123233

Thomsen, P. T., & Houe, H. (2018). Cow mortality as an indicator of animal welfare in dairy herds. *Research in Veterinary Science*, *119*, 239-243. https://doi.org/10.1016/j.rvsc.2018.06.021

Trevisan, C., Sotiraki, S., Laranjo-González, M., Dermauw, V., Wang, Z., Kärssin, A., ... Devleesschauwer, B. (2018). Epidemiology of taeniosis/cysticercosis in Europe, a systematic review: eastern Europe. *Parasites & Vectors*, *11*, [569]. https://doi.org/10.1186/s13071-018-3153-5

Verwilghen, D. (2018). The World Health Organization's Clean Hands Save Lives: A concept applicable to equine medicine as Clean Hands Save Horses. *Equine Veterinary Education*, *30*(10), 549-557. https://doi.org/10.1111/eve.12680

Wang, X., Bjerg, B. S., Choi, C. Y., Zong, C., & Zhang, G. (2018). A review and quantitative assessment of cattle-related thermal indices. *Journal of Thermal Biology*, *77*, 24-37. https://doi.org/10.1016/j.jtherbio.2018.08.005

Zakeri, A., Hansen, E. P., Andersen, S. D., Williams, A. R., & Nejsum, P. (2018). Immunomodulation by Helminths: Intracellular Pathways and Extracellular Vesicles. *Frontiers in Immunology*, *9*, [2349]. https://doi.org/10.3389/fimmu.2018.02349

Bidrag til tidsskrift - Anmeldelse

Sandøe, P., & Proschowsky, H. F. (2018). Breed predispositions to disease in pets: Alex Gough, Alison Thomas and Dan O'Neill; Wiley Blackwell, 2018. *Veterinary Record*, *183*(9), 303.

Sandøe, P. (2018). Ethical and Political Approaches to Nonhuman Animal Issues: Edited by A Woodhall and G Garmendia Da Trindade (2017). Published by Palgrave Macmillan. *Animal Welfare*, *27*(4), 395-396. https://doi.org/10.7120/09627286.27.4.395

Bidrag til tidsskrift - Kommentar/debat

Corr, S. A., Palmer, C., & Sandøe, P. (2018). Encouraging self-reflection by veterinary clinicians: Ethics on the clinic floor. *American Journal of Bioethics*, *18*(2), 55-57. https://doi.org/10.1080/15265161.2017.1409843

Tveden-Nyborg, P., Bergmann, T. K., & Lykkesfeldt, J. (2018). Basic & Clinical Pharmacology & Toxicology Policy for Experimental and Clinical studies. *Basic & Clinical Pharmacology & Toxicology*, *123*(3), 233-235. https://doi.org/10.1111/bcpt.13059

Bidrag til tidsskrift - Konferenceabstrakt i tidsskrift

Bundgaard, L., Stensballe, A., Elbaell, K. J., & Berg, L. C. (2018). HOW DOES CHONDROGENIC DIFFERENTIATION AND STIMULATION WITH INTERLEUKIN-1BETA AFFECT THE SECRETOME FROM BONE MARROW DERIVED MESENCHYMAL STEM CELLS. *Osteoarthritis and Cartilage*, *26*(S1), S151-S151. [288]. https://doi.org/10.1016/j.joca.2018.02.326

Byskov, J. (2018). DEMOCRATIC PRIORITY SETTING IN HEALTH SYSTEMS AS AN ETHICAL IMPERATIVE FOR SUSTAINABILITY OF POPULATION HEALTH. *Journal of Community Medicine & Health Education*, *8*, 40-41. https://doi.org/10.4172/2161-0711-C1-31

Børresen, B., Heden, M. A., Kent, M. S., & Kristensen, A. T. (2018). The occurrence of feline neoplasia; a comparison between Danish and NorthAmerican cats. *Journal of Veterinary Internal Medicine*, *32*(1), 568. https://doi.org/10.1111/jvim.14858

Citerni, C., Kirchhoff, J., Olsen, L., Gentilini, F., Forni, M., Zannoni, A., ... Diness, J. (2018). SK channel inhibition did not increase short-term variability of the QT intervals in atrial tachypaced pigs with left ventricular dysfunction in contrast to the positive control dofetilide. *European Heart Journal*, *39*(S1), 809-809. [P3811]. https://doi.org/10.1093/eurheartj/ehy563.P3811

Cremer, S. E., Catalfamo, J. L., Kristensen, A. T., Goggs, R. A. N., & Brooks, M. B. (2018). The Canine Platelet Secretome (CAPS): Proteomic Analysis of Thrombin-stimulated Release. *Research and Practice in Thrombosis and Haemostasis*, *2*(S1), [PB055]. https://doi.org/10.1002/rth2.12125

Elbrønd, V. S., & Schultz, R. M. (2018). Equine myofascial lines: Verification and validation of three profound lines – and discovery of a new line. *Journal of Bodywork and Movement Therapies*, *22*(4), [872]. https://doi.org/10.1016/j.jbmt.2018.09.070

Jansen, T., Hoegberg, L. C. G., Eriksen, T., Haarmark, C., Dalhoff, K. P., & Belhage, B. (2018). Advanced electrocardiogram (ECG) analysis in the amitriptyline-poisoned pig treated with coated activated charcoal hemoperfusion (CAC-HP). *Clinical Toxicology*, *56*(6), 513-513. https://doi.org/10.1080/15563650.2018.1457818

Jansen, T., Hoegberg, L. C. G., Eriksen, T., Dalhoff, K. P., Belhage, B., & Johansen, S. S. (2018). Amitriptyline accumulation in tissues after coated activated charcoal hemoperfusion: a randomized controlled animal poisoning model. *Clinical Toxicology*, *56*(6), 513-513. [133]. https://doi.org/10.1080/15563650.2018.1457818

Jensen, H. B., Holm, J. E., Koerber, H., & Goericke-Pesch, S. (2018). Expression of Connexin 43 and androgen receptor in testes of azoospermic dogs. *Reproduction in Domestic Animals*, *53*(S1), 5-5. [8]. https://doi.org/10.1111/rda.13127

Jødal, L., Roivainen, A., Oikonen, V., Jalkanen, S., Hansen, S. B., Afzelius, P., ... Jensen, S. B. (2018). Kinetic modelling of [68Ga]Ga-DOTA-Siglec-9 in a porcine infection model. *Physica Medica*, *52*, 124-125. [P083]. https://doi.org/10.1016/j.ejmp.2018.06.404

Kallehauge, M. H., Horn, C. D., & Goericke-Pesch, S. (2018). Expectations of Scandinavian veterinarians and dog owners about effects of neutralisation. *Reproduction in Domestic Animals*, *53*(S1), 14-14. https://doi.org/10.1111/rda.13127

Koerber, H., Ronnow, A. F., Lizcano, M. P., Faya, M., Gobello, C., & Goericke-Pesch, S. (2018). Effect of a single acyline treatment on canine spermatogenesis. *Reproduction in Domestic Animals*, *53*(S1), 22-22. [49]. https://doi.org/10.1111/rda.13127

Koerber, H., Meinhardt, A., & Goericke-Pesch, S. (2018). Expression of androgen receptor and integral membrane proteins in canine tubular tissue at downregulation and during restart of spermatogenesis. *Reproduction in Domestic Animals*, *53*(S1), 22-22. [50]. https://doi.org/10.1111/rda.13127

Ronaghinia, A. A., Nikolaisen, N. K., Poulsen, H. H., Struve, T., Matthiesen, C. F., Hammer, A. S. V., ... Damborg, P. (2018). Application of inhalation anesthesia for pharmacokinetic studies in mink. *Journal of Veterinary Pharmacology and Therapeutics*, *41*, 65-65. [O19.3]. https://doi.org/10.1111/jvp.12638

Sembach, L. E., Dhakal, R., Hansen, H. H., Nielsen, N., & Nielsen, M. O. (2018). Palm kernel expeller and soy bean hulls have a delayed in vitro dry matter degradation compared toother ruminant feeds. *Advances in Animal Biosciences*, *9*(S3), [576]. https://doi.org/10.1017/S2040470018000146

Shim, J., Poulsen, C. B., Hagensen, M., Larsen, T., Heegaard, P. M. H., Christoffersen, C., ... Sorensen, C. B. (2018). Apolipoprotein E deficiency increases remnant lipoproteins and accelerates progressive atherosclerosis in Yucatan minipigs. *Transgenic Research*, *27*(5), 484-484. https://doi.org/10.1007/s11248-018-0086-x

Bog/antologi/afhandling/rapport - Rapport

Christensen, T., & Sandøe, P. (red.) (2018). *Øget efterspørgsel efter danske økologiske fødevarer: Tre studier af motiver og ønsker hos forbrugerne med fokus på sundhed, lokale fødevarer og øget eksport*. Frederiksberg: Institut for Fødevare- og Ressourceøkonomi, Københavns Universitet.

Jessen, L. R., Damborg, P. P., Spohr, A., Goericke-Pesch, S., Langhorn, R., Houser, G., ... Guardabassi, L. (2018). *Antibiotikavejledning til familiedyr*. (2 udg.) Den Danske Dyrlægeforening.

Bog/antologi/afhandling/rapport - Doktordisputats

Barington, K. (2018). *Forensic Evaluation of Bruises in Pigs*. Copenhagen.

Bog/antologi/afhandling/rapport - Ph.d.-afhandling

Kruse, A. B. (2018). *Associations between antimicrobial use, productivity, vaccination and biosecurity: Analyses on herd level data from the Danish pig production*. Frederiksberg .

Lahrmann, H. J. P. (2018). *Tail Biting Outbreak in Pigs: Prevalence, Early Detection and Targeted Intervention*. Copenhagen University.

Nielsen, C. K. (2018). *Dyrlæge på spil…: Uddannelsesetnografiske studier i professionsorienteret spilbaseret læring på den danske dyrlægeuddannelse*. Grafisk - Københavns universitet.

Petersen, M. B. (2018). *Mycoplasma bovis in dairy cattle: Clinical epidemiology and antibody measurements for decision making*.

Salleh, S. B. M. (2018). *A transcriptomics and systems biology approach to identify candidate genes and biological pathways determining residual feed intake in Danish dairy cattle*.

Bidrag til bog/antologi/rapport - Bidrag til bog/antologi

Backofen, R., Gorodkin, J., Hofacker, I. L., & Stadler, P. F. (2018). Comparative RNA genomics. I *Comparative Genomics: Methods and Protocols* (Bind 1704, s. 363-400). Humana Press. Methods in Molecular Biology, Bind. 1704 https://doi.org/10.1007/978-1-4939-7463-4_14

Bjerg, B. S., Zhang, G., Pedersen, P., & Morsing, S. (2018). Effective Temperature for Poultry and Pigs in Hot Climate. I *Animal Husbandry and Nutrition* (s. 23-41). InTechOpen. https://doi.org/10.5772/intechopen.72821

Buchmann, K. (2018). Evolution of immunity. I E. L. Cooper (red.), *Advances in Comparative Immunology* (s. 3-22). Switzerland: Springer. https://doi.org/10.1007/978-3-319-76768-0_1

Dich, T., Christiansen, S. B., Gjerris, M., Hansen, T., & Sandøe, P. (2018). Veterinær etik og videnskabsteori: 14 års erfaring med undervisning af kommende dyrlæger. I T. Børsen, D. B. Pedersen, & H. Andersen (red.), *Fagets videnskabsteori* (s. 179-186). Samfundslitteratur.

Dunne, D. W., & Vennervald, B. J. (2018). Schistosomiasis. I *Oxford Textbook of Medicine* (6 udg.). Oxford University Press.

Guardabassi, L., Apley, M., Olsen, J. E., Toutain, P. L., & Weese, S. (2018). Optimization of Antimicrobial Treatment to Minimize Resistance Selection. I *Antimicrobial Resistance in Bacteria from Livestock and Companion Animals* (s. 637-674). ASM Press. Microbiology Spectrum https://doi.org/10.1128/microbiolspec.ARBA-0018-2017

Halloran, A. M. S., Hansen, H. H., Jensen, L. S., & Bruun, S. (2018). Comparing environmental impacts from insects for feed and food as an alternative to animal production. I A. Halloran, R. Flore, P. Vantomme, & N. Roos (red.), *Edible Insects in Sustainalble Food Systems* (s. 163-180). Cham: Springer. https://doi.org/10.1007/978-3-319-74011-9_11

Kock, R., Garnier, J., Nielsen, L. R., Buttigieg, S., De Meneghi, D., Holmberg, M., ... Häsler, B. (2018). Health solutions: theoretical foundations of the shift from sectoral to integrated systems. I *Integrated approaches to health: A handbook for the evaluation of One Health* (s. 22-37). Wageningen Academic Publishers. https://doi.org/10.3920/978-90-8686-875-9

Magnussen, P., Vennervald, B. J., & Aagaard-Hansen, J. (2018). Schistosomiasis. I J. M. H. Selendy (red.), *Water and Sanitation-Related Diseases and the Environment: Challenges, Interventions, and Preventive Measures* (s. 167-174). Wiley-Blackwell. https://doi.org/10.1002/9781118148594.ch13

Olsen, V., Dich, T., Gamborg, C., Gjerris, M., Hansen, T., & Sandøe, P. (2018). Beskrivelse af Fagets videnskabsteori på tre forskellige uddannelser: erfaringer fra det gamle KVL (nu KU SCIENCE). I T. Børsen, D. B. Pedersen, & H. Andersen (red.), *Fagets videnskabsteori* (s. 187-197). Samfundslitteratur.

Palmer, C., Kasperbauer, T. J., & Sandøe, P. (2018). Bears or butterflies? How should zoos make value-driven decisions about their collections? I B. A. Minteer, J. Maienschein, & J. P. Collins (red.), *The Ark and Beyond: The Evolution of Zoo and Aquarium Conservation* (s. 179-191). Chicago and London: University of Chicago Press.

Palmer, C., & Sandøe, P. (2018). Welfare. I L. Gruen (red.), *Critical Terms for Animal Studies* (s. 424-438). Chicago : University of Chicago Press.

Rensing, C., Moodley, A., Cavaco, L. M., & McDevitt, S. F. (2018). Resistance to Metals Used in Agricultural Production. I *Antimicrobial Resistance in Bacteria from Livestock and Companion Animals* (s. 83-107). ASM Press. https://doi.org/10.1128/microbiolspec.ARBA-0025-2017

Rushton, J., Nielsen, L. R., Cornelsen, L., Queenan, K., Rüegg, S. R., & Häsler, B. (2018). Evaluation of integrated approaches to health with a focus on One Health. I *Integrated approaches to health: A handbook for the evaluation of One Health* (s. 14-21). Wageningen Academic Publishers. https://doi.org/10.3920/978-90-8686-875-9

Rüegg, S. R., Häsler, B., Nielsen, L. R., Buttigieg, S. C., Santa, M., Aragrande, M., ... Zinsstag, J. (2018). A One Health evaluation framework. I *Integrated approaches to health: A handbook for the evaluation of One Health* (s. 38-85). Wageningen Academic Publishers. https://doi.org/10.3920/978-90-8686-875-9

Sandøe, P. (2018). Empirisk bioetik: På hvilken måde kan sociologiske undersøgelser underbygge etiske vurderinger? I N-E. Sahlin, & I. de Beaufort (red.), *Moral Målande* (s. 81-94). Avdelningen för Medicinsk Etik, Lunds Universitet.

Vennervald, B. J. (2018). Schistosomiasis and Other Trematode Infections. I *Harrison's Principles of Internal Medicine* (20 udg.). McGraw-Hill.

Bidrag til bog/antologi/rapport - Konferencebidrag i proceedings

Anneberg, I., & Sandøe, P. (2018). Negotiating welfare in daily farm practice: how employees on Danish farms perceive animal welfare. I S. Springer, & H. Grimm (red.), *Professionals in food chains: EurSafe 2018* (s. 60-65). Wageningen Academic Publishers. https://doi.org/10.3920/978-90-8686-869-8_7

Gamborg, C., Sandøe, P., & Palmer, C. (2018). Ethical dilemmas of fertility control in wildlife: the case of white-tailed deer. I S. Springer, & H. Grimm (red.), *Professionals in food chains: EurSafe 2018* (s. 388-391). Wageningen Academic Publishers. https://doi.org/10.3920/978-90-8686-869-8_61

Kruse, A. B., Nielsen, L. R., & Alban, L. M. (2018). ANALYSIS OF JOINT EFFECTS BETWEEN BIOSECURITY, PRODUCTION, VACCINE AND ANTIMICROBIAL USE. I *Proceedings of SOCIETY FOR VETERINARY EPIDEMIOLOGY AND PREVENTIVE MEDICINE* (s. 21-33). Society for Veterinary Epidemiology and Preventive Medicine.

Sandøe, P., Theut, L. F., & Denwood, M. (2018). Breeding Blues: an ethical evaluation of the plan to reduce calving difficulties in Danish Blue cattle. I S. Springer, & H. Grimm (red.), *Professionals in food chains: EurSafe 2018* (s. 134-140). Wageningen Academic Publishers. https://doi.org/10.3920/978-90-8686-869-8_19

Sandøe, P., & Christensen, T. (2018). The effect of animal welfare on consumer perceptions of pork quality and on public acceptance of pig production: The EU experience. I *International Swine Industry Symposium: Proceedings* (s. 166-174)

Thoefner, I., & Christensen, J. P. (2018). Estimates on the significance of chronic E.coli infections of the reproductive tract in laying hens. I *The XVth European Poultry Conference: Conference information and proceedings* (s. 181). Croatian branch of the World's Poultry Science Association.

Thoefner, I., & Christensen, J. P. (2018). Investigation of the effect of live attenuated *Escherichia coli* vaccination on experimentally induced salpingitis in layers. I *The XVth European Poultry Conference: Conference information and proceedings* (s. 192). Croatian branch of the World's Poultry Science Association.

Bidrag til bog/antologi/rapport - Bidrag til rapport

Denver, S., Ditlevsen, K., Lassen, J., Nordström, L. J., Sandøe, P., & Christensen, T. (2018). Samspil mellem økologisk forbrug og sundhed. I T. Christensen, & P. Sandøe (red.), *Øget efterspørgsel efter danske økologiske fødevarer: Tre studier af motiver og ønsker hos forbrugerne med fokus på sundhed, lokale fødevarer og øget eksport* (s. 11-33). Frederiksberg: Institut for Fødevare- og Ressourceøkonomi, Københavns Universitet.

Jensen, J. D., Christensen, T., Denver, S., Ditlevsen, K., Lassen, J., Sandøe, P., & Teuber, R. (2018). I hvilket omfang kan geografisk differentiering bidrage til at styrke efterspørgslen efter økologiske fødevarer? I T. Christensen, & P. Sandøe (red.), *Øget efterspørgsel efter danske økologiske fødevarer: Tre studier af motiver og ønsker hos forbrugerne med fokus på sundhed, lokale fødevarer og øget eksport* (s. 35-69). Frederiksberg: Institut for Fødevare- og Ressourceøkonomi, Københavns Universitet.

Petersen, M. B., Krogh, K., & Nielsen, L. R. (2018). Testing of milk samples fails to detect on-going Mycoplasma bovis infections in dairy herds. I *IDF Animal Health Report* (Bind 12, s. 37-38). Belgium: International Dairy Federation.

Bidrag til bog/antologi/rapport - Konferenceabstrakt i proceedings

Byskov, J. (2018). A panel discussion how to base health priorities in Zambia on the Sustainable Development Goals. I *Abstract book : 12th biannual International Conference of the International Society on Priorities in Health* (s. 166-167). Linköping University.

Chwalibog, A., & Knoka, A. M. (2018). Will tiger survive? I *XLVII Scientific Session of Group of Animal Nutrition KNZiA PAN* (s. 117)

Forkman, B., & Meyer, I. C. (2018). The effect of the Danish dangerous dog act on the level of dog aggression in Denmark. I *Proceedings of the 52nd Congress of the International Society for Applied Ethology* (Bind 1, s. 127)

Hakansson, F., Michelsen, A. M., Lund, V. P., Kirchner, M., Otten, N. D., Denwood, M., & Forkman, B. (2018). Pen-level risk factors associated with tail lesions in Danish weaner pigs: a crosssectional study. I *Proceedings of the 52nd Congress of the International Society of Applied Ethology* (s. 211)

Hansen, H. H., Khanal, P., Arendt, K. E., Iversen, E. B., Valaja, J., Halmemies-Beauchet-Filleau, A. I. K., & Nielsen, M. O. (2018). Seaweed for ruminants- a Climate KIC project: Delivering Sustainable Solutions - The future of R&D - How do we assess and ensure technological innovation gives optimal impact? I *Sustain: Delivering Sustainable Solutions - The future of R&D - How do we assess and ensure technological innovation gives optimal impact?* (s. 81)

Kruse, A. B., Nielsen, L. R., & Alban, L. M. (2018). Sow herd typologies based on biosecurity, productivity, antimicrobial and. I *ISVEE 15 The 15th International Symposium of Veterinary Epidemiology and Economics - Abstract Book* (s. 315)

Miles, J. E., Buelund, L. E., Kristiansen, S. S., & Jensen, T. V. (2018). Balancing quadriceps and gastrocnemius load during ex-vivo stifle testing. I *Proceedings of the 19th ESVOT Congress and 5th WVOC Congress* (s. 365-366). European Society of Veterinary Orthopaedics and Traumatology.

Miles, J. E., von Wenck, A., Nielsen, M. B. M., & Gundersen, R. (2018). Geometric analysis of CORA-based levelling osteotomy in the dog. I *Proceedings of the 19th ESVOT Congress and 5th WVOC Congress* (s. 367). European Society of Veterinary Orthopaedics and Traumatology.

Pedersen, I. J., & Forkman, B. (2018). 8:45 The effect of enrichment on broiler leg health: a systematic review. I *Book af abstracts* (s. 401)

Sandøe, P., & Palmer, C. (2018). Zoos and ethics: What are the issues, and how can they be addressed? I *2018 Joint EAZWV/AAZV/Leibniz-IZW Conference: Proceedings* (s. 1)

Thoefner, I., & Christensen, J. P. (2018). Effect of live attenuated Escherichia coli vaccination on experimentally induced salpingitis in layers. I *MedVetPathogens 2018: 5th Prato Conference on Animal Bacterial Pathogens* (s. 33). Italy.

Konferencebidrag - Poster

Carmo, L. P., Bouzalas, I., Nielsen, L. R., Alban, L. M., da Costa, P. M., Müntener, C., ... Magouras, I. (2018). *Expert opinion on livestock antimicrobial usage indications and patterns in Denmark, Portugal and Switzerland*. 1. Poster session præsenteret ved The 15th International Symposium of Veterinary Epidemology and Economics, Chiang Mai, Thailand.

Kruse, A. B. (2018). *Antimicrobial prescription patterns in organic and conventional pig herds in Denmark*. Poster session præsenteret ved AACTING Conference, Ghent, Belgien.

Kruse, A. B., Stege, H., & Kristensen, C. S. (2018). *Antimicrobial use data from Danish organic pig herds*. Poster session præsenteret ved The 15th International Symposium of Veterinary Epidemology and Economics, Chiang Mai, Thailand.

Rüegg, S. R., Nielsen, L. R., Bruce, M., Savic, S., Grosbois, V., Buttigieg, S. C., ... Häsler, B. (2018). *Network for Evaluation of One Health (NEOH): A systems approach for better knowledge integration*. 1. Poster session præsenteret ved The 15th International Symposium of Veterinary Epidemology and Economics, Chiang Mai, Thailand.

Santesa, G. D., Hansen, H. H., Dhakal, R., & Nielsen, M. O. (2018). *Effects of intact and extracted seaweed products on methane formation during rumen fermentation*. 1. Poster session præsenteret ved 8th Nordic Seaweed conference , Grenaa, Danmark.

Konferencebidrag - Konferenceabstrakt til konference

Agerholm, J. S., & Nielsen, S. S. (2018). *Slagtning af drægtig kvæg: forekomst og årsager*. Abstract fra Den Danske Dyrlægeforenings Årsmøde 2018, .

Barington, K., Dich-Jørgensen, K., & Jensen, H. E. (2018). *Age estimation of porcine wounds based on gross evaluation*. Abstract fra 25th International Pig Veterinary Society Congress, Kina.

Bergmann, T. B., Liu, Y., Lee, J., Peralvo Vidal, J. M., Mori, Y., Seemann, E. S., ... Pers, T. H. (2018). *The developmental neurogenic niche of the Entorhinal cortex revealed by single-cell transcriptomics.*. Abstract fra FENS conference: The necessity of Cell Types for Brain Function, Copenhagen, Danmark.

Bjerg, B. S. (2018). *Improved ventilation by CFD prediction of thermal conditions among pigs*. Abstract fra the XIX. World Congress of the International Commission of Agriculture and Biosystems Engineering (CIGR) , Antalya, Tyrkiet.
Buchmann, K., Kania, P. W., & Cao, L. (2018). *Particle effects on fish grills - an immunogenetic approach*. Abstract fra 2nd Nordic Workshop, Oslo, Norge.

Dalvin, S., Jørgensen, L. V. G., Kania, P. W., Buchmann, K., Nielsen, F., & Øvergård, A. (2018). *Morphological and Immunological Changes in Rainbow Trout (Oncorhynchus Mykiss) Skin in Response to Salmon Louse (Lepeophtheirus Salmonis) Infection*. Abstract fra 8th International Symposium on Aquatic Animal Health, Charlottetown, Canada.

Jakociune, D., Bayg, A., Nielsen, S. S., Trotereau, A., Schouler, C., Wagemans, J., ... Moodley, A. (2018). *Isolation and characterization of bacteriophages active against avian pathogenic E. coli*. 51. Abstract fra The 5th World Congress on Targeting Infectious Diseases: Targeting Phage & Antibiotic Resistance, Florence, Italien.

Jakociune, D., & Moodley, A. (2018). *Isolation and characterization of novel bacteriophages active against Streptococcus uberis*. 88. Abstract fra The 5th World Congress on Targeting Infectious Diseases: Targeting Phage & Antibiotic Resistance, Florence, Italien.

Jørgensen, L. V. G., korbut, R., Jeberg, S., Kania, P. W., & Buchmann, K. (2018). *Associations between the skin parasite Ichthyophthirius multifiliis and the immune system of the fish host Danio rerio*. Abstract fra Dafinet workshop. Sustainable fish health control, Frederiksberg, Danmark.

Jørgensen, L. V. G. (2018). *Interactions Between the Skin Parasite Ichthyophthirius Multifiliis and a Fish Host Danio Rerio*. Abstract fra 8th International Symposium on Aquatic Animal Health, Charlottetown, Canada.

Krawczyk, K. K., Skovsted, G. F., Perisic, L., Rippe, C., Dreier, R., Berg, J. O., ... Sward, K. (2018). *Expression of endothelin type B receptors (EDNRB) on smooth muscle cells is controlled by ternary complex factors and the actin cytoskeleton*.

Liu, Y., Bergmann, T. B., Peralvo Vidal, J. M., Lee, J., Mori, Y., Seemann, E. S., ... Hall, V. J. (2018). *Uncovering the anatomical and molecular landscape of the developing entorhinal cortex.*. Abstract fra FENS conference: The necessity of Cell Types for Brain Function, Copenhagen, Danmark.

Ludvigsen, T. P., Olsen, L. H., Pedersen, H. D., Østergaard Christoffersen, B., & Jensen, L. J. (2018). *Structural remodeling in cerebral and mesenteric arteries from obese Göttingen minipigs with or without diabetes*. 467P-468P . Abstract fra EuroPhysiology2018, London, Storbritannien.

Miles, J. E., Vitger, A. D., Poulsen, H. H., & Nielsen, L. N. (2018). *Direction of travel can influence canine gait characteristics*. 474-475. Abstract fra BSAVA Congress 2018, Birmingham, Storbritannien.

Thoefner, I., & Christensen, J. P. (2018). *Experimental chronic E.coli oviduct infections in egg laying hens*. 45. Abstract fra MedVetPATHOGENS 2018, Prato, Italien.

Vohra, R., Skytt, D. M., Aldana, B. I., Freude, K., Waagepetersen, H., Bergersen, L. H., & Kolko, M. (2018). *Muller cell survival and function is maintained by the presence of lactate*. 1480. Abstract fra Arvo 2018 , Honolulu, Hawaii, USA.

Konferencebidrag - Paper

Dominiak, K. N., Hindsborg, J., Pedersen, L. J., & Kristensen, A. R. (2018). *Area-specific predictions of unwanted events using multivariate modeling of water data*. 27-30. Paper præsenteret ved 2nd International Conference on Agro Big Data and Decision Support Systems in Agriculture, Lleida, Spanien.

Hansen, R. K., & Bjerg, B. S. (2018). *Natural ventilation's ability to prevent high indoor temperatures*. Paper præsenteret ved the XIX. World Congress of the International Commission of Agriculture and Biosystems Engineering (CIGR) , Antalya, Tyrkiet.

Andet - Udgivelser på nettet - Net-publikation

Neumann, K., Buse, K. S., Hjulsager, C. K., Nielsen, G. B., Nielsen, S. S., Larsen, L. E., & Kristensen, C. S. (2018, mar 23). Påvisning af PCV2. *SEGES Svineproduktion*.

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Sorteret efter: Udgivelsesår

Appendix 10.2 List of research projects

IKV Projects

PI	Source of financing	Titel	Amount (DKK)	Start-Date	End-Date
Annemarie Thuri Kristensen	Dansk Berner Sennen Klub	27418 - Malign histiocytose hos Berner Sennenhunde	40.080	01-01-2009	31-12-2025
Mette Berendt	Dyrenes Beskyttelse	34908 - Epilepsiforskning hos hund	86.576	01-04-2012	31-12-2020
Jørgen Steen Agerholm	Dansk Landbrugsrådgivning (DBLR)	36293 - Arvelige sygdomme og misdannelser hos kvæg	304.080	01-01-2013	31-12-2019
Rikke Buhl	Kongeriget Danmarks Hesteforsikring	Hestedifferentiering Klinisk Praksis	9.766	01-01-2014	31-12-2019
Rikke Buhl	Kongeriget Danmarks Hesteforsikring	Hestedifferentiering Klinisk Praksis	38.635	01-01-2014	31-12-2019
Rikke Buhl	Kongeriget Danmarks Hesteforsikring	Hestedifferentiering Klinisk Praksis	34.175	01-01-2014	31-12-2019
Tina Møller Sørensen	Agrias & SKKs forskningsfond	AGRIA N2014-0016	123.997	01-01-2015	30-06-2019
Annemarie Thuri Kristensen	Idexx Europe BV	IDEXX vedr Pernille Holst	508.695	01-01-2015	31-12-2019
Annemarie Thuri Kristensen	Idexx Europe BV	IDEXX vedr Pernille Holst	32.653	01-01-2015	31-12-2019
Mette Berendt	Fredrikstad Dyrehospital	Diplomatutdanning Bodil Cathrine Koch	25.661	01-06-2015	30-06-2019
Marianne Ørnstrup Kaiser	InnovationsFonden	Tidlig diagnosticering of postpartum dysgalactia	- 11.605	01-11-2015	01-11-2018
Marianne Ørnstrup Kaiser	InnovationsFonden	Tidlig diagnosticering of postpartum dysgalactia	23.475	01-11-2015	01-11-2018
Jørgen Steen Agerholm	Det Nationale Forskningscenter for Arbejdsmiljø	Nanoparticles and effect on male reproductive	129.824	01-03-2016	31-08-2019
Rikke Buhl	HRZ 2020 Marie Curie Innovative Training Networks	Establishing a chronic AF horse model for studying	120.227	01-03-2016	31-08-2019
Signe Emilie Cremer	DFF Teknologi og Produktion (FT	CAPS: Functional platelet fingerprint	1.085.495	01-05-2017	30-04-2020
Tina Holberg Pihl	Foreningen Kustos af 1881	Uveitis hos islandske heste	9.268	27-05-2016	31-12-2020
Ditte Marie Top Adler	Foreningen Kustos af 1881	Effekten af lokalbedøvende lægemidler på hestes	8.654	27-05-2016	31-12-2019
Elin Lisby Kastbjerg Jørgensen	Fonden C.C. Klestrup og hustru Henriette Klestrup	Karakterisering af biofilm i kroniske hestesår	8.000	18-04-2016	31-10-2020
Elin Lisby Kastbjerg Jørgensen	Illum-fondet	Karakterisering af biofilm i kroniske hestesår	25.000	18-04-2016	31-10-2020
Stine Jacobsen	Foreningen Kustos af 1881	Inflammationsmarkører hos travheste	20.000	01-10-2016	31-12-2019
Stine Jacobsen	Boehringer Ingelheim danmark A/S	Inflammationsmarkører hos travheste	4.299	01-10-2016	31-12-2019
Stine Jacobsen	Hestens Værn	Inflammationsmarkører hos travheste	3.000	01-10-2016	31-12-2019
Stine Jacobsen	Advokat Pernille Skinnerup	Inflammationsmarkører hos travheste	2.000	01-10-2016	31-12-2019
Stine Jacobsen	Dansk Varmblod	Inflammationsmarkører hos travheste	5.000	01-10-2016	31-12-2019
Mette Berendt	DFF Teknologi og Produktion (FT	Alzheimer's disease	1.007.231	01-01-2016	09-02-2021
Stine Jacobsen	Danmarks Tekniske Universitet (DTU)	Equine Orthopaedics	102.365	01-12-2016	30-12-2019
Stine Jacobsen	Sveriges Lantbruksuniversitet	Equine Orthopaedics	103.656	01-12-2016	30-12-2019
Charlotte Reinhard Bjørnvad	Royal Canin Danmark A/S	University Companion Animal Clinical Nutricion	279.638	01-01-2016	31-12-2019
Majbritt Maria Estrup Larsen	Agrias & SKKs forskningsfond	Should neuter recommendations be changed,	9.860	01-09-2016	31-12-2018
Annemarie Thuri Kristensen	DFF Teknologi og Produktion (FT	Discovering fecal microRNA expressin mm	1.857.731	01-03-2017	28-02-2022
Annemarie Thuri Kristensen	InnovationsFonden	Erhversph.d. Kathryn Perrin	208.649	19-12-2016	18-12-2019
Else Marie Bollerup Walters	Foreningen Kustos af 1881	Ledlidelser og slidgigt hos hest	23.991	27-03-2017	31-12-2020
Else Marie Bollerup Walters	Fonden til Lægevidenskabens Fremme	Ledlidelser og slidgigt hos hest	30.000	27-03-2017	31-12-2020
Else Marie Bollerup Walters	Toosbuys Fond	Ledlidelser og slidgigt hos hest	- 500	27-03-2017	31-12-2020
Lise Nikolic Nielsen	Fondet for sygdomsbekæmpelse hos vore familiedyr	TPA TEG	1.299	01-01-2017	01-01-2018
Charlotte Reinhard Bjørnvad	NaturErhvervstyrelsen	Øget forædlingsværdi af animalske biprodukter GUDP	376.579	01-07-2016	29-02-2020
James Edward Miles	Agrias & SKKs forskningsfond	Förbättring av livskvalitet för hundar med artros	127.620	01-01-2017	31-12-2018
Charlotte Reinhard Bjørnvad	Royal Canin Danmark A/S	Overvægt hos Danske familiehunde	40.738	01-05-2017	31-12-2019
Jørgen Koch	Mahasarakham University	Gæstephd Chayanon Chompoosan	113.490	01-08-2017	31-07-2020
Lise Charlotte Berg	Toosbuys Fond	Evidens for muskelaktivering med målrettede	7.883	19-05-2017	31-12-2019
Lise Charlotte Berg	Foreningen Kustos af 1881	Evidens for muskelaktivering med målrettede	- 264	19-05-2017	31-12-2019
Ida Nordang Kieler	Mars Petcare	ESVCN Waltham Research Grant	13.770	13-07-2017	30-06-2020
Rikke Buhl	DFF Teknologi og Produktion (FT	Remodeling in atrial fibrillation – establishing a	1.159.777	01-01-2018	30-04-2020
Stine Jacobsen	DFF Teknologi og Produktion (FT	Unravelling the role of inflammation in osteoarthr	2.725.924	01-01-2018	31-12-2021
Fintan McEvoy	Antech Imaging Systems	Residency Program	2.224.780	22-02-2018	21-02-2022
Jakob Willesen	Dansk Terrier Klubs Bull Terrier	Hjertesygdom hos Engelsk Bull Terrier	59.000	01-11-2017	30-06-2020
Jakob Willesen	Dansk Terrier Klubs Bull Terrier	Hjertesygdom hos Engelsk Bull Terrier	75.814	01-11-2017	30-06-2020

Anne Kirstine Havnsøe Krogh	Fondet for sygdomsbekæmpelse hos vore familiedyr	Inflammation og koagulation mm	23.352	12-12-2017	31-12-2022
Anne Marie Fog-Larsen	Fondet for sygdomsbekæmpelse hos vore familiedyr	Alopecia X hos Alaskan Malamutes	26.000	12-12-2017	31-12-2022
Rikke Langebæk	Beckett Fonden	Støtte til QimmeqHealth slædehunde	74.577	01-01-2018	31-12-2021
Rikke Buhl	Beckett Fonden	Er motion skadeligt for hjertet i det lange løb?	75.000	01-08-2018	31-07-2021
Rikke Buhl	Foreningen Kustos af 1881	Er motion skadeligt for hjertet i det lange løb?	99.647	01-08-2018	31-07-2021
Eva Zander Hesselkilde	Augustinus Fonden	Studie af op- og nedregulering af cirkulerende	50.000	07-03-2018	01-04-2020
Eva Zander Hesselkilde	Foreningen Kustos af 1881	Studie af op- og nedregulering af cirkulerende	11.561	07-03-2018	01-04-2020
James Edward Miles	Dansk Kennel Klub	Vurding af halthed pga osteoarthritis	10.000	01-05-2018	31-12-2019
Janne Graarup Lyngby	Dansk Kennel Klub	Vurdering af vitamin D	5.315	01-05-2018	31-12-2019
Sara Lee Munch	Foreningen Kustos af 1881	Løbesår hos højtydende malkekvæg	18.368	16-05-2018	15-05-2020
Hanne Ellen Kortegaard	H. P. Olsen og hustrus Mindefond	Veterinær dental behandling af Zoo-dyr	30.000	01-06-2018	31-05-2021
Charlotte Reinhard Bjørnvad	Norwegian University of Life Sciences (NMBU)	Recidency Agreement Nicole Nyquist - NMBU	389.275	01-06-2018	30-06-2021
Rikke Langebæk	Iris og Henry Englunds Fond	Mara North Dog Project, phase 1	67.157	01-08-2018	31-12-2020

Rikke Buhl	Læge Sofus Carl Emil Friis og hustru Olga Doris Fr	Er motion skadeligt for hjertet i det lange løb?	200.000	01-08-2018	31-07-2021
Jørgen Steen Agerholm	InnovationsFonden	EliteOva	785.640	01-12-2017	30-11-2021
Stine Jacobsen	MSD Animal Health	Oxytetracyklin til behandling af bukkehov hos føl	8.000	13-07-2018	31-12-2019
Jørgen Steen Agerholm	VikingGenetics	Cash Co-funding	150.000	01-01-2018	30-11-2021
Asger Lundorff Jensen	Fonden til Fremme af Familiedyrenes Sundhed, Dyres	Fonden til Fremme af Familiedyrenes Sundhed	224.773	01-01-2018	31-12-2020
Charlotte Reinhard Bjørnvad	Equidan Vetline Aps	Health effects of feeding probiotic feed to dogs	245.414	01-08-2018	01-06-2020
Nynne Capion	Kvægafgiftsfonden	Robuste kalve - godt begyndt er halvt fuldendt	56.546	01-01-2018	31-12-2019
Nynne Capion	Kvægafgiftsfonden	Robuste kalve - godt begyndt er halvt fuldendt	853.703	01-01-2018	31-12-2019
Stine Jacobsen	Hesteafgiftsfonden	Slidgigt hos heste	248.000	01-01-2019	31-12-2019
Ditte Marie Top Adler	Boehringer Ingelheim Animal Health Nordics	Effekten af lokal anæstetika på hestens ledceller	10.000	24-09-2018	23-09-2021
Marie Louise Honoré Jørgensen	Hesteafgiftsfonden	Forbedret diagnostik af alvorlig kolik forårsaget	208.000	01-01-2019	31-12-2019
Hanne Birgit Gredal	Dansk Kennel Klub	Måling af midroRNA hos hunde m CNS sygdomme	14.990	01-10-2018	31-12-2019
Jørgen Steen Agerholm	Hesteafgiftsfonden	Abort hos hopper	90.000	01-01-2019	31-12-2019
Stine Jacobsen	Boehringer Ingelheim Animal Health Nordics	Føl med bukkehov	3.800	12-07-2018	31-12-2019
Tina Møller Sørensen	Peter Christian Abildgaards fond og	RapidBac Vet klinsi afprøvning	20.000	08-11-2018	31-12-2020
Tina Møller Sørensen	Fondet for sygdomsbekæmpelse hos vore familiedyr	RapidBac Vet klinsi afprøvning	15.000	08-11-2018	31-12-2020
Maja Louise Arendt	Peter Christian Abildgaards fond og	Medicinsk brug af cannabis til familiedyr	20.000	07-11-2018	31-12-2021
Ditte Erika Leth Vasby	Peter Christian Abildgaards fond og	Vaccinationshyppighed	28.000	08-11-2018	31-12-2021
Ditte Erika Leth Vasby	Fondet for sygdomsbekæmpelse hos vore familiedyr	Vaccinationshyppighed	15.000	08-11-2018	31-12-2021
Rebecca Langhorn	Fondet for sygdomsbekæmpelse hos vore familiedyr	Chromogranin A som prognostisk markør	15.000	14-11-2018	31-12-2022
Maiken Bayer Thode	Fondet for sygdomsbekæmpelse hos vore familiedyr	Left ventricle filling pressure mm	15.000	14-11-2018	31-12-2021
Stine Jacobsen	Gerda og Aage Haensch' Fond	Metabolomics og degradomics til belysning af	350.000	01-01-2019	31-12-2021
Jan Ole Bertelsen Secher	Mælkeafgiftsfonden	EliteSemen	285.460	01-01-2019	31-12-2019
Jan Ole Bertelsen Secher	Mælkeafgiftsfonden	EliteSemen	36.000	01-01-2019	31-12-2019
Jan Ole Bertelsen Secher	Mælkeafgiftsfonden	EliteSemen	96.000	01-01-2019	31-12-2019
Jan Ole Bertelsen Secher	Mælkeafgiftsfonden	EliteSemen	120.000	01-01-2019	31-12-2019
Rikke Langebæk	Dansk Kennel Klub	Op-up klinik i Grøndland	10.000	14-12-2018	31-12-2019
Casper Lindegaard	Boehringer Ingelheim danmark A/S	Effekt af caudal epidural	5.000	01-01-2019	31-12-2019
Casper Lindegaard	Eickemeyer Aps	Caudal Epidurals påvirkning af bevægeapparatet	10.000	01-01-2019	31-12-2019
Kirstin Dahl-Pedersen	Landbrugsstyrelsen	ViD 2019-2020	331.610	01-01-2019	31-08-2020
Lisbeth Rem Jessen	Agrias & SKKs forskningsfond	MicroRNAs as biomarkers of pyelonephritis in cats	291.346	01-01-2019	31-12-2021
Camilla Andersen	Torben og Alice Frimodts Fond	Stamceller til behandling af slidgigt hos hest	25.006	01-01-2019	31-12-2021
Jørgen Steen Agerholm	Islamic Development Bank (IsDB)	PhD-project Abdel-rahman Al refai	100.000	19-03-2019	31-08-2021
Jørgen Steen Agerholm	Islamic Development Bank (IsDB)	PhD-project Abdel-rahman Al refai	150.000	19-03-2019	31-08-2021

Maja Louise Arendt	Uppsala Universitet	NIH Subaward agreement	1.505.165	06-09-2018	31-08-2022
Maja Louise Arendt	DFF Teknologi og Produktion (FT	Utility of liquid biopsies for cassification of	2.880.000	01-07-2019	31-08-2022
Ditte Marie Top Adler	Foreningen Kustos af 1881	Behandling af ledbetændelse hos heste	20.000	01-06-2019	31-05-2021
Kirstin Dahl-Pedersen	Foreningen Kustos af 1881	Kvæg- og svineproducenters viden om og erfaring	20.000	01-06-2019	31-12-2019
Sarah Dalgas Nissen	Foreningen Kustos af 1881	Koagulationsstatus i heste med atrieflimmer	20.000	01-03-2019	31-12-2019
Hanne Gervi Pedersen	Foreningen Kustos af 1881	Udsugning af æg fra æggestokke til reagensglas	20.000	01-01-2019	31-12-2019
Mette Bisgaard Petersen	Foreningen Kustos af 1881	Vurdering af diagnostisk validitet af en ny antist	20.000	01-01-2019	31-12-2019
Jasmin Bagge	Foreningen Kustos af 1881	Stamceller til behandling af ledskader hos heste	20.000	01-03-2019	31-01-2020
Julie Fjeldborg	Foreningen Kustos af 1881	Har heste, der er opereret for strubepibning..	20.000	01-06-2019	01-12-2020
Sanni Hansen	Foreningen Kustos af 1881	Vurdering af NGAL som ny potentiel biomarkør	20.000	01-06-2019	31-05-2020
Rikke Buhl	Foreningen Kustos af 1881	Forkammerflimmer hos heste - et overset problem?	20.000	01-07-2019	28-02-2020
Marie Louise Honoré Jørgensen	Foreningen Kustos af 1881	Forbedret diagnostik af alvorlig kolik forårsaget	20.000	01-01-2019	31-12-2020
Sara Lee Munch	Foreningen Kustos af 1881	Mikroskopisk undersøgelse af løbesår	20.000	01-01-2019	31-12-2019
Tina Holberg Pihl	Foreningen Kustos af 1881	Tilbagevendende uveitis (ERU) hos islandske heste	20.000	01-01-2019	31-12-2020
Lise Charlotte Berg	Foreningen Kustos af 1881	Udvikling af klinisk relevant model for monitorer	20.000	01-01-2019	31-12-2020
Casper Lindegaard	Foreningen Kustos af 1881	TRPV-1 receptorer	20.000	01-01-2019	31-12-2020
Camilla Andersen	Foreningen Kustos af 1881	Stamceller til behandling af slidgigt hos hest	20.000	01-01-2019	31-12-2020
Else Marie Bollerup Walters	Foreningen Kustos af 1881	MicroRNA som biomarkør for slidgigt hos hest	20.000	01-01-2019	31-12-2021
Charlotte Hopster-Iversen	Foreningen Kustos af 1881	Indvirkningen af beroligende medicin på hjertef.	20.000	01-07-2019	31-12-2019
Camilla Andersen	Direktør Emil C. Hertz og Hustru Inger Hertz Fond	Stamcellers immunmodulerende effekt mm	25.000	01-01-2019	31-12-2021
Stine Østergaard	Foreningen Kustos af 1881	Forskningsprojekt om skanning af brusktykkelsen	20.000	01-01-2019	31-12-2019
Pernille Holst	Dansk Kennel Klub	Lettere diagnosticering af ondartet knoglekræft	10.000	28-02-2019	31-12-2020
Anne Kirstine Havnsøe Krogh	Dansk PolarHunde Klub	Thyreoideastatus hos grønlandske slædehunde	2.000	17-08-2019	28-02-2020
Rikke Langebæk	Africa Tours	MNCDog Project	26.000	01-10-2019	01-06-2020

IVH Projects

Jens Ole Plum Lykkesfeldt	Novo Nordisk A/S	30886 - The Novo Nordisk-LIFE in Vivo Pharmacology	44.658.000	01-11-2010	31-12-2023
Anders Dalsgaard	Danida Fellowship Centre	32807 - Impacts of climate chance and adapting bio	1.499.412	01-11-2011	01-07-2018
Anders Ringgaard Kristensen	DSFP for Sundhed Fødevarer og Velfærd	34388 - PigIT - Improving welfare and productivity	2.939.879	01-01-2012	31-12-2018
Poul Hyttel	DSFP for Individ, Sygdom og Samfund	34677 - Cognito: Novel treatments of cognitive dys	140.617	01-01-2012	31-12-2017
Stine Billeschou Christiansen	Ministeriet for Fødevarer, Landbrug og Fiskeri	35391 - Sekretariatsleder for Dyreetisk Råd	1.781.928	01-01-2012	31-12-2019
Jens Ole Plum Lykkesfeldt	Novo Nordisk A/S	35740 - LIFEHARM II - Framework Agreement	6.495.928	01-01-2012	31-12-2023
Per Torp Sangild	Arla Foods Ingredients Group P/S	35943 - Early milk and microbiotica to improve lat	3.473.120	01-01-2013	31-12-2021
Per Torp Sangild	DSFP for Sundhed Fødevarer og Velfærd	35979 - Early milk and microbiotica to improve lat	5.585.373	01-01-2013	31-12-2019
Peter Panduro Damborg	Dansk Veterinær Dermatologisk Netværk	36299 - Behandlingslængde af antibiotika ved pyode	230.000	01-03-2012	31-07-2020
Hanne Frøkiær	DSFP for Sundhed Fødevarer og Velfærd	36432 - Early milk and microbiota to improve later	4.700.000	01-01-2013	31-12-2019
Dan Arne Klærke	Højteknologifonden	36552 - IBISS: Industrial Biometric Sensing and Se	177.854	01-05-2013	31-12-2017
Axel Jacob Kornerup Hansen	H. Lundbeck A/S	36633 - Velfærd for dyr og mennesker	1.636.517	01-01-2013	31-12-2021
Nils Aage Brünner	IMK Almene Fond	36661 - Udvikling af validering af biomarkører til	1.766.369	01-09-2013	31-08-2016
Hanne Frøkiær	DSFP for Sundhed Fødevarer og Velfærd	37057 - ProbiComp:The effect of PROBIotics in redu	1.046.880	01-01-2013	30-06-2018
Søren Skov	Styrelsen for Forskning og Innovation (FI)	37133 - ErhvervsPHD Mette Dandanell Nielsen	360.000	01-10-2013	31-12-2020
Charlotte Amdi Williams	Videncenter for Svineproduktion	37358 - The welfare of nursing sow	292.769	23-06-2013	01-01-2022
Jens Peter Christensen	Collaborative Project - Small and Medium Scale Pro	37375 - Sustainable Intensive Pig and Poultry Prod	4.494.803	01-12-2013	30-11-2018
Henrik Michael Elvang Jensen	FDE Fonden	Grundlag for diagnosen brok hos slagtesvin	155.000	16-12-2013	31-12-2018
Charlotte Amdi Williams	Videncenter for Svineproduktion	Straw Allocations to Pigs	73.081	01-01-2014	01-01-2022
Anders Miki Bojesen	NaturErhvervstyrelsen	Funktionelt fiskefoder for sundere fisk	3.228.657	01-01-2014	31-08-2017
Jens Peter Nielsen	Videncenter for Svineproduktion	Copenhagen Pig	112.051	01-01-2013	31-12-2018
Anders Ringgaard Kristensen	Ministeriet for Fødevarer, Landbrug og Fiskeri	HeleHaler. Farvel til halebid og halekupering	257.462	01-04-2014	31-03-2019
Jan Gorodkin	Styrelsen for Forskning og Innovation (FI)	Elixir	606.871	01-01-2014	30-06-2019
Axel Jacob Kornerup Hansen	Novo Nordisk A/S	CALAR 2014	1.642.483	01-01-2014	31-12-2021
Kurt Buchmann	NaturErhvervstyrelsen	Immunglobulin til fiskeproduktion: IMMFEED	814.795	01-07-2014	30-06-2017
Preben Dybdahl Thomsen	NaturErhvervstyrelsen	Ornelugt - GUDP	1.445.384	01-01-2014	30-06-2018
Jan Gorodkin	DFF Teknologi og Produktion (FT	AniGen: Animal genomes as model for human health	2.025.957	01-09-2014	31-05-2019

Dorte Bratbo Sørensen	InnovationsFonden	ErhversPhd - Sisse Clausen Nørgaard	360.000	01-08-2014	17-05-2019
Jens Peter Nielsen	Pharmacosmos	Forskningsundersøgelser og ekspertbistand	71.830	01-09-2014	31-12-2020
Carsten Enevoldsen	Mælkeafgiftsfonden	Effektiv kontrol mod smitsom mastitis - STOPMAST	3.870.054	01-01-2015	31-12-2017
Helle Stege	Svineafgiftsfonden	Professional Pig Practice	1.282.261	01-01-2015	31-12-2017
Per Torp Sangild	Arla Foods Ingredients Group P/S	Bioactive WPC-2014, Pig study	1.500.000	01-01-2015	31-12-2021
Christopher Harold Knight	EU Health Programme	Prohealth - IKVH	88.336	01-12-2013	30-11-2018
Yanqi Li	Medela AG	Donor Human Milk 2014, preterm pig study	1.696.219	01-01-2015	31-12-2020
Jens Peter Nielsen	Pharmacosmos	Anæmiforebyggelse og hæmatologi hos søer og nyfø	469.518	01-01-2015	31-12-2020
Jens Peter Christensen	InnovationsFonden	A bacteriophage-based approach to reducing	2.801.296	01-07-2015	31-12-2019
Anders Dalsgaard	Danida Fellowship Centre	Innovations and Markets for Lake Victoria Fish	1.892.839	01-01-2015	31-12-2019
Lone Brøndsted	Ministeriet for Fødevarer, Landbrug og Fiskeri	Målrettet kontrol¦..	6.841.161	01-01-2015	31-10-2019
Björn Anders Forkman	Collaborative Project - Small and Medium Scale Pro	Associations between geno-type and health	1.482.048	01-12-2013	30-11-2018
Stig Milan Thamsborg	NaturErhvervstyrelsen	Practices for Organic Parasite Control (PrOPara)	1.468.881	02-03-2015	30-11-2018
Kurt Buchmann	Danida Fellowship Centre	Upgrading pangas and tilapia value chains	155.309	01-03-2015	28-02-2019
Merete Fredholm	InnovationsFonden	METAPIG	1.500.920	01-01-2015	31-12-2020
Henrik Michael Elvang Jensen	HRZ 2020 Research and Innovation Action (RIA)	NOMORFILM - Novel marine derived	4.636.363	01-04-2015	31-12-2019
Karla Kristine Freude	InnovationsFonden	Brainstem Stem Cell Center of Exc in Neurology	6.103.339	01-01-2015	31-12-2021
Hanne Ingmer	HRZ 2020 Marie Curie Innovative Training Networks	Training and research in listeria	1.993.570	01-03-2015	28-02-2019
Jan Gorodkin	InnovationsFonden	BrainStem	2.508.606	01-01-2015	31-12-2020
Kurt Buchmann	HRZ 2020 Research and Innovation Action (RIA)	Advanced tools and Research Strategies for	2.401.135	01-04-2015	31-03-2020
Lone Brøndsted	DFF Teknologi og Produktion (FT	Hybrid Phage Enzybiotics (HYPHE)	5.595.978	01-07-2015	30-06-2019
Jens Peter Nielsen	InnovationsFonden	MetaPig - partner til MF - IKHV	515.058	01-01-2015	31-12-2020
Dorte Frees	DFF Teknologi og Produktion (FT	Restoring Antibiotic Sensitivity to MRSA	5.517.430	01-10-2015	08-09-2020
John Elmerdahl Olsen	DFF Teknologi og Produktion (FT	Combining non-essential metabolic¦	4.848.480	01-09-2015	31-12-2019
Jens Ole Plum Lykkesfeldt	Novo Nordisk A/S	Lifepharm Centre III	41.068.000	01-01-2016	31-12-2022
Stig Milan Thamsborg	DFF Teknologi og Produktion (FT	ParaGut - Parasites, diet and gut health	6.020.605	01-10-2015	30-09-2019
Karla Kristine Freude	InnovationsFonden	NeuroStem	1.088.309	01-02-2015	31-12-2021
Hanne Ingmer	Danmarks Grundforskningsfond	Bacterial Stress Survival and Persistence (BASP)	8.077.294	01-05-2015	15-09-2019
Poul Hyttel	H. Lundbeck A/S	Lundbeck by BrainStem	560.000	01-07-2015	31-12-2020
Poul Hyttel	DFF Teknologi og Produktion (FT	Establishment of demented dogs mm	2.598.254	01-11-2015	09-02-2021
Jan Gorodkin	Styrelsen for Forskning og Innovation (FI)	NeuroStem	1.872.000	01-02-2015	31-12-2021
Kurt Buchmann	NaturErhvervstyrelsen	Effektiv sygdomsforebyggelse i dank fiskeopdræt	2.633.760	01-07-2015	30-06-2020
Per Torp Sangild	Fresenius Kabi Deutschland GmbH	FK Neomune	597.583	20-11-2015	31-12-2019
Per Torp Sangild	Carlsbergfondet	Food, Health and Philosophy	457.349	01-01-2016	31-12-2022
Eva Johanna Caroline Larsson	Dansk Pelsdyravlerforenings Forskningsfond	Effekten af foderets fedtsyresammensætning og	295.115	01-01-2016	31-12-2020
Poul Hyttel	HRZ 2020 Collaborative Project (RIA IA CSA)	SEARMET	693.961	01-01-2016	31-12-2018
Per Torp Sangild	Arla Foods amba	Food, Health and Philosophy	832.110	01-01-2016	31-12-2021
Dan Arne Klærke	Lundbeckfonden	K+ channels ind the plasmodium falciparum	395.010	01-03-2016	30-06-2019
Mette Benedicte Olaf Nielsen	The Ministry of Education Malaysia (MOE)	Ph.D. Suraya Salleh	111.255	01-10-2014	30-09-2018
Jan Gorodkin	InnovationsFonden	NextProd	7.020.739	01-05-2016	30-04-2021
Anders Ringgaard Kristensen	NaturErhvervstyrelsen	Stikoncept til grise med lange Haler (SPECIAL-H)	708.559	01-07-2014	30-06-2018
Duc Ninh Nguyen	Arla Foods amba	ARLA Perinatal Inflammation	2.926.713	01-06-2016	31-12-2020
Jens Ole Plum Lykkesfeldt	Novo Nordisk A/S	FGF21/hepatic oxidative stress and NALFD/NASH	805.000	01-04-2016	31-12-2020
Søren Skov	Novo Nordisk Fonden	Metabolites as drivers of inflammation in metaboli	2.600.000	15-12-2015	14-12-2019
Per Torp Sangild	InnovationsFonden	Infant Brain	4.443.045	01-10-2017	14-02-2020

Eva Johanna Caroline Larsson	Norges forskningsråd	Foods of Norway	2.075.928	01-01-2016	31-12-2023
Mette Benedicte Olaf Nielsen	InnovationsFonden	MAB4 - MacroAlgae Biorefinery for Value-Added	804.095	01-01-2016	31-12-2019
Charlotte Amdi Williams	DFF Teknologi og Produktion (FT	Improved piglet survival through enhancing innat	3.227.792	01-09-2016	31-08-2020
John Elmerdahl Olsen	NaturErhvervstyrelsen	VetDiagnostik	3.983.191	01-10-2016	31-03-2020
Stig Milan Thamsborg	DFF Teknologi og Produktion (FT	Parasites and plants	5.423.368	01-10-2016	31-03-2021
Liza Rosenbaum Nielsen	Dansk Boologisk Selskab	Dansk Boologisk Selskab	39.948	01-07-2016	31-12-2019
Axel Jacob Kornerup Hansen	DFF Teknologi og Produktion (FT	PhageGut - Phages for target specific gut	1.621.563	01-09-2016	31-05-2020
Hanne Ingmer	Styrelsen for Forskning og Innovation (FI)	Targeting amyloid to combat bacterial biofilm	2.806.712	01-09-2016	31-12-2019
Peter Panduro Damborg	InnovationsFonden	ErhvervsPhD Amir Ronaghinia	360.000	01-11-2016	31-12-2019

Maria Vang Johansen	HRZ 2020 Collaborative Project (RIA IA CSA)	SOLID	3.513.720	01-09-2016	31-08-2020
Søren Skov	DFF Teknologi og Produktion (FT	Immune evasion by Staphylococcus aureus	6.475.625	01-10-2016	30-09-2019
Merete Fredholm	Knud A. Christensen	Minkforskning	200.000	01-10-2016	31-12-2021
Sarah Line Skovbakke	Carlsbergfondet	The role of cellular metabolism in inter-receptor	1.123.351	01-01-2017	14-10-2019
Jens Peter Nielsen	Danmarks Tekniske Universitet (DTU)	D-vitamin svin	210.000	01-12-2016	30-09-2020
Kurt Buchmann	NaturErhvervstyrelsen	Sælrelateret leveorm	800.000	08-09-2016	30-06-2019
Lars Jørn Jensen	Fonden til Lægevidenskabens Fremme	Mechanisms of small artery insulin mm	30.000	01-02-2017	01-07-2020
Axel Jacob Kornerup Hansen	InnovationsFonden	ErhvervsPhD Pernille Fisker Christensen	360.000	02-01-2017	01-01-2020
Kurt Buchmann	NaturErhvervstyrelsen	Opdræt af smittefri fladøsters i lukkede systemer	575.301	06-10-2016	01-07-2019
Per Torp Sangild	InnovationsFonden	NEOCOL	10.600.000	01-01-2017	31-12-2021
Anne Sofie Vedsted Hammer	15. Juni Fonden	Det bakterielle samfund i vom og tarm hos rådyr	300.000	01-03-2017	28-02-2019
Liselotte Bruun Christiansen	Svelands Stiftelse	Running out of fuel: Coenzyme Q10	57.534	01-01-2017	31-01-2020
Liselotte Bruun Christiansen	Agrias & SKKs forskningsfond	Coenzyme Q10 supplementation in dogs with	118.752	01-01-2017	31-12-2019
Mette Benedicte Olaf Nielsen	InnovationsFonden	ErhvervsPhD Naja Bloch Pedersen	360.000	01-01-2017	31-12-2019
Bjarne Schmidt Bjerg	NaturErhvervstyrelsen	GreenLiv	2.364.173	01-01-2017	30-06-2020
Susanna Cirera Salicio	DFF Teknologi og Produktion (FT	Discovering fecal microRNA expression mm	3.034.080	01-03-2017	28-02-2022
Jens Peter Nielsen	NaturErhvervstyrelsen	PigLED	2.169.126	01-01-2017	30-09-2020
Anni Øyan Pedersen	Svineafgiftsfonden	Mavesår hos smågrise	2.064.744	01-01-2017	31-12-2018
Hanne Ingmer	DFF Teknologi og Produktion (FT	Non-obvious antibiotic resistance genes in therapy	2.520.954	01-07-2017	30-06-2020
Mette Benedicte Olaf Nielsen	NorFor A.m.b.a.	Forstudie vedr. kinetiske karakteristika	60.000	15-08-2017	31-12-2017
Jens Peter Nielsen	InnovationsFonden	LiveBorn	9.227.520	01-04-2017	31-03-2022
Kirstine Schmidt Callø	Hjerteforeningen	High throughput screening of ion channel	348.000	23-06-2017	31-12-2019
Kurt Buchmann	Ministeriet for Fødevarer, Landbrug og Fiskeri	GODAOR - Grøn omstilling i dansk akvakultur	527.100	01-07-2017	30-06-2021
Anni Øyan Pedersen	SEGES P/S	METAPIG	400.000	01-06-2017	31-12-2020
Jens Peter Nielsen	NaturErhvervstyrelsen	Grise opdrættet uden antibiotika (OUA-opdræt)	5.090.923	01-07-2017	30-06-2021
Charlotte Amdi Williams	NaturErhvervstyrelsen	Feed4Life	3.204.723	01-09-2017	30-08-2021
Vanessa Jane Hall	DFF Teknologi og Produktion (FT	Modeling pig entorhinal cortex	2.591.908	01-08-2017	15-10-2020
Anders Ringgaard Kristensen	NaturErhvervstyrelsen	Intelligent ear tags for aut. Monitoring of cows	2.422.577	01-07-2017	30-06-2021
Anders Miki Bojesen	NaturErhvervstyrelsen	Forbedring af tarmsundhed i dambrugsfisk med præ-	2.985.444	01-08-2017	31-07-2020
Anne Sofie Vedsted Hammer	InnovationsFonden	Erhvervsph.d. projekt Karin Mundbjerg	360.000	01-10-2017	30-09-2020
Jens Ole Plum Lykkesfeldt	Chr. Hansens A/S	Undersøgelse af probiotikas terapeutiske	280.000	01-09-2017	31-08-2020
Per Torp Sangild	Arla Foods Ingredients Group P/S	Bioactive Milk Collaboration (BNC)	7.900.000	12-09-2017	31-12-2021
Mette Benedicte Olaf Nielsen	The Ministry of Higher Education (MOHE)	Ph.D. Sharmila Binti Ahmad	600.000	01-01-2017	30-06-2020
Hanne Ingmer	HRZ 2020 MSCA-ITN-ETN - European Training Networks	Combatting Antimicrobial Resistance Training Netwo	8.092.629	01-01-2018	31-12-2021
Peter Panduro Damborg	Dansk Pelsdyravlerforenings Forskningsfond	Optimering af antibiotikabehandling hos mink	976.200	01-10-2017	30-09-2019
Stig Milan Thamsborg	Norsk senter for økologisk landbruk, NORSØK	BarkCure - Condensed tannins	274.610	01-06-2017	01-10-2020
Lisbeth Høier Olsen	Styrelsen for Forskning og Uddannelse	Unraveling the impact of polymorphisms	2.578.881	01-09-2018	31-12-2021
John Elmerdahl Olsen	Styrelsen for Forskning og Uddannelse	Research network witin metabolim of Salmonella	163.008	01-02-2018	31-05-2019
Anders Miki Bojesen	Fjerkræafgiftsfonden	Undersøg af smitteveje for Gallibacterium	757.947	01-01-2018	31-12-2019
Jens Peter Christensen	Fjerkræafgiftsfonden	Sammenligning af udviklingen og forekomsten	298.560	01-01-2018	31-12-2019
Eva Johanna Caroline Larsson	Royal Canin S.A.S	The minimally invasive 13C-bicarbonate technique	1.070.202	03-10-2017	31-12-2019
Marianne Halberg Larsen	Fjerkræafgiftsfonden	Hæmmer den modificerede atmosfære, der anvendes ti	437.000	01-01-2018	31-12-2018
Kurt Buchmann	Henrik Henriksens Fond	Undersøgelser ifbm. at finde alternativer	325.000	01-01-2018	31-12-2020
Andrew Richard Williams	DFF Tværrådslige Udvalg	Novel dietary additives for control	5.893.149	01-01-2018	31-12-2021
Axel Jacob Kornerup Hansen	Styrelsen for Forskning og Uddannelse	Framework grant	149.885	01-01-2018	01-08-2019
Poul Hyttel	InnovationsFonden	EliteOva	7.375.373	01-12-2017	30-11-2021
Per Torp Sangild	Danone Research	Danone WPC Filtrate	625.111	05-12-2017	31-12-2020
Jens Peter Nielsen	Svineafgiftsfonden	Opdræt uden anvendelse af antibiotika	1.305.600	01-01-2018	31-12-2018
Andrew Richard Williams	Lundbeckfonden	Investigating effects of dietary	200.000	01-01-2018	30-06-2019
Helle Stege	Svineafgiftsfonden	Vetstat 2018	758.000	01-01-2018	31-12-2018
Peter Panduro Damborg	Danske Dyrlægers Forsikringforening	Udbredelse af budskab om begrænsning af brug af an	15.000	01-12-2017	31-12-2019
Connie Marianne Frank Matthies	Pelsdyrafgiftsfonden	Præcisionsfodring af voksende mink	1.985.000	01-01-2018	31-12-2018
Stig Milan Thamsborg	NaturErhvervstyrelsen	SEAPAR - Bioactive products from Seaweed	2.912.082	01-11-2017	31-01-2021
Jens Ole Plum Lykkesfeldt	Novo Nordisk A/S	Agreement on co-financed post doc study under LP	500.000	01-07-2017	31-07-2021

Anders Miki Bojesen	Huvepharma NV	Co-operation Agreement	3.833.694	01-01-2018	31-12-2020
Stine Brandt Bering	Miljø- og Fødevareministeriet	infant - I (UHT)	4.848.000	01-01-2018	30-06-2022
Jens Peter Nielsen	Svineafgiftsfonden	Optimal anvendelse af antibiotika	1.419.600	01-01-2018	31-12-2018
Susanna Cirera Salicio	Agrias & SKKs forskningsfond	Identification, stability and feasibility	110.132	01-01-2018	31-12-2019
Anders Dalsgaard	Danida Fellowship Centre	VIDA PIG	1.918.000	01-01-2018	31-01-2020
Anni Øyan Pedersen	Dansk Pelsdyravlerforenings Forskningsfond	Præcisionsfodring af voksende mink - PhD-forløb	825.000	01-01-2018	31-12-2020
John Elmerdahl Olsen	Ministry of National Guard Health Affairs	Trans. Guided antimicrobial target identification	450.000	01-02-2018	31-01-2021
John Elmerdahl Olsen	Danida Fellowship Centre	GRILI	1.961.280	01-01-2018	31-12-2022
Hanne Helene Hansen	Zaluvida Corporate AG	Mootral	61.993	01-01-2018	31-12-2018
Hanne Helene Hansen	Udenrigsministeriet	Creating shared values - Danida	47.600	01-01-2018	30-06-2021

Lone Brøndsted	InnovationsFonden	BioPiGLET - Biocontrol of post-weaning diarrhoea i	4.655.769	01-03-2018	28-02-2022
Jens Peter Nielsen	InnovationsFonden	BioPiGLET - Biocontrol of post-weaning diarrhoea	3.575.173	01-03-2018	28-02-2022
Nina Molin Høyland-Kroghsbo	Lundbeckfonden	Targeting bacterial defenses for effective therapi	2.100.000	01-09-2018	31-08-2021
Annika Kistrup Norman Andersen	Frederiksberg Fonden	Frederiksbergfonden	150.000	01-04-2018	01-07-2019
Axel Jacob Kornerup Hansen	Miljø- og Fødevareministeriet	The Mouse Passport	490.752	01-01-2018	28-02-2019
Kurt Buchmann	J.P.A. Espersen og , fru Dagny Espersens Fond	Kvalitet af Østersøtorsk	760.000	01-05-2018	31-10-2019
Anders Dalsgaard	Danida Fellowship Centre	Microbial Food Quality and Safety	737.000	04-06-2018	29-07-2018
Hanne Ingmer	Olav Thon Foundation	Development of antibiotic resistance in bacterial	2.562.240	01-07-2018	30-06-2022
Maria Vang Johansen	InnovationsFonden	Erhvervs PhD	360.000	01-06-2018	31-05-2021
Axel Jacob Kornerup Hansen	InnovationsFonden	ErhversPostdoc Kristine R. Christensen	449.991	01-06-2018	30-06-2021
Charlotte Amdi Williams	Svineafgiftsfonden	Et kilo Ekstra Grise	495.942	19-04-2018	30-06-2019
Hanne Ingmer	Miljøstyrelsen	Betydningen af biocid tolenrence for hosp infekt	1.629.746	15-06-2018	31-05-2020
Louise von Gersdorff Jørgensen	Kirsten og Freddy Johansens Fond	In vivo visualisering af immunrespons	103.000	08-06-2018	07-06-2019
Jens Ole Plum Lykkesfeldt	DFF Sundhed og Sygdom (FSS)	Unrav. The role of Vitamin C deficincy	2.554.560	01-07-2018	30-06-2021
Thomas Thymann	DFF Teknologi og Produktion (FT	Fecal microbiota transplantation	4.060.800	01-07-2018	30-06-2022
Hanne Helene Hansen	Chr. Hansens A/S	Implementation of ankom rf gas production system	182.550	01-06-2018	31-12-2018
Hanne Helene Hansen	Hamlet Protein A/S	In-vitro gas production	30.000	01-01-2018	30-09-2019
Anders Ringgaard Kristensen	Landbrugsstyrelsen	IQinABox - Forskning	2.886.964	01-07-2018	30-06-2022
Anders Ringgaard Kristensen	Landbrugsstyrelsen	IqinABox - Udvikling	868.478	01-07-2018	30-06-2022
Anne Sofie Vedsted Hammer	InnovationsFonden	Erhversph.d Oliver Lykke Honoré	360.000	01-09-2018	31-08-2021
Tariq Hisham Beshara Halasa	Landbrugsstyrelsen	Effective Monitoring and Control of Mastitis	3.113.406	01-01-2018	31-10-2020
Louise Ladefoged Poulsen	Miljø- og Fødevareministeriet	Pre-hatch Probiotics for Poultry	4.279.677	01-09-2018	01-09-2021
Anders Dalsgaard	Danida Fellowship Centre	Safe Pig Production from farm to fork	1.322.000	24-09-2018	14-12-2018
Kurt Buchmann	Region Syddanmark	Phd. Projekt - Schistosom-dermatitis i Danmark	1.200.000	01-01-2019	31-12-2021
Charlotte Amdi Williams	Landbrug og Fødevarer	Effekt af stivelse på pattegrisens tarm	659.775	27-08-2018	01-09-2021
Jan Gorodkin	DFF Sundhed og Sygdom (FSS)	CaptureIBD	1.140.480	01-07-2018	31-12-2020
Björn Anders Forkman	InnovationsFonden	Erhvervs PhD-projekt Cecilie Ravn Skovlund	360.000	13-08-2018	12-08-2021
Peter Sandøe	Dyrenes Beskyttelse	Projekt "Vildkat"	1.550.000	01-09-2018	31-08-2022
Anne Sofie Vedsted Hammer	Pelsdyrafgiftsfonden	Patologiske og mikrobiologiske undersøgelser	1.534.200	01-01-2019	31-12-2019
Rikke Heidemann Olsen	InnovationsFonden	Erhvervs PhD. Sofie Kromann	360.000	01-02-2019	31-01-2022
Jens Peter Christensen	Landbrug og Fødevarer	Drift af CPH Poultry	230.000	04-09-2018	03-09-2021
Liza Rosenbaum Nielsen	Kvægafgiftsfonden	Robuste kalve - godt begyndt er halvt fuldendt	750.432	01-01-2018	31-12-2021
Karla Kristine Freude	Alzheimer-Forskningsfonden	Stem cell-based studies of microglia mm	500.000	01-01-2019	31-12-2020
Poul Hyttel	VikingGenetics	Cash Co-funding	350.000	01-01-2018	30-11-2021
Anni Øyan Pedersen	Pelsdyrafgiftsfonden	Præcisionsfodring af voksende mink 2019	1.486.400	01-01-2019	31-12-2019
Henrik Michael Elvang Jensen	Pelsdyrafgiftsfonden	Klarlægning af mikorbio årsager	1.410.000	01-01-2019	31-12-2020
Anne Sofie Vedsted Hammer	Dansk Pelsdyravlerforenings Forskningsfond	Nye værktøjer til rådgivning i minkpraksis	437.250	01-04-2018	30-04-2020
Hanne Helene Hansen	Kvægafgiftsfonden	Betydning af nedbrydningskinetik i vommen 2019	1.024.000	01-01-2019	31-12-2019
Björn Anders Forkman	Fødevarestyrelsen	Dyrevelfærdsindeks 2018	900.000	01-01-2018	31-12-2019
Rikke Heidemann Olsen	Fjerkræafgiftsfonden	Afprøvning af en universiel E. coli vaccine	464.000	01-01-2019	31-12-2019
Bjarne Schmidt Bjerg	InnovationsFonden	Optimal Cooling for High Productive sows	2.063.345	01-10-2018	01-10-2022
Jens Peter Christensen	Fjerkræafgiftsfonden	Brystbensfrakturer - model til påvisning	613.440	01-01-2019	31-12-2019
Ditte Olsen Lützhøft	Kong Christian den Tiendes Fond	Forb. Af type 2 diabetis	25.000	29-10-2018	01-11-2019
Luca Guardabassi	BioMérieux	ICOHAR Conference	186.503	01-01-2019	31-12-2019
Per Torp Sangild	Biofiber Damino A/S	NECOL - Biofibers bidrag	2.500.000	01-01-2017	31-12-2021
Tariq Hisham Beshara Halasa	FOSS Analytical A/S	Effective Monitoring and Control of Mastitis	150.000	01-11-2018	31-10-2020
Helle Stege	Svineafgiftsfonden	Vetstat med særligt fokus på fravænningsgrise	755.000	01-01-2019	31-12-2019
Axel Jacob Kornerup Hansen	Lundbeckfonden	The role of the human gut microbiome	1.875.000	01-06-2019	31-05-2022

Anne Sofie Vedsted Hammer	Dansk Pelsdyravlerforenings Forskningsfond	Karakterisering af minkfoder og råprøver	683.100	01-11-2018	30-11-2019
Anne Sofie Vedsted Hammer	Dansk Pelsdyravlerforenings Forskningsfond	Post-fravænnings anoreksi og diarre sygdom hos	809.600	01-11-2018	31-10-2019
Henrik Michael Elvang Jensen	Svineafgiftsfonden	Diagnostik og konsekvens navlehævelser hos svin	590.000	01-01-2019	31-12-2019
Lone Brøndsted	Promilleafgiftsfonden for landbrug	Biokontrol af ESBL	722.000	01-01-2019	31-12-2019
Lars Erik Larsen	Svineafgiftsfonden	Redskaber til kontrol af virusinfektioner	272.000	01-01-2019	31-12-2019
Vanessa Jane Hall	Lundbeckfonden	Travel Grant for Young Liu to USA	20.190	15-10-2018	31-12-2019
Axel Jacob Kornerup Hansen	HRZ 2020 Marie Sklodowska-Curie Individual Fellows	ProLung	1.583.044	01-01-2019	31-12-2020
Poul Hyttel	DFF Natur og Univers (FNU)	The egg`s nucleolar sphere mm	1.734.737	01-01-2019	31-12-2021
Björn Anders Forkman	Landbrugsstyrelsen	ViD-2018	964.764	01-08-2018	31-12-2019
Søren Skov	InnovationsFonden	ErhvervsPostdoc	300.000	01-12-2018	30-11-2020
Per Torp Sangild	Mejeribrugets Forskningsfond	Effekt af UHT og opbevaring på den biologiske	972.000	01-01-2018	31-12-2021
Mette Benedicte Olaf Nielsen	Mælkeafgiftsfonden	Reduceret klimaaftryk på KO-niveau og BEDRIFTS-niv	1.380.000	01-01-2019	31-12-2019
Kurt Buchmann	Fiskeristyrelsen	RecirkVet. Veterinærmæssig optimering af	407.925	30-11-2017	07-12-2020
Hanne Helene Hansen	Climate-KIC	EU Seaweed for ruminants	68.093	01-10-2018	31-12-2018
Camilla Hartmann Friis Hansen	DFF Tværrådslige Udvalg	Mode of delivery	5.871.302	01-01-2019	31-12-2022
Dorte Bratbo Sørensen	Zoologisk Have i København	Forskning i dyrevelfærd	27.500	01-12-2018	31-12-2020
Per Torp Sangild	Shire Human Genetic Therapies Inc.	SHIRE - IGF-1-For preterm pigs	4.590.967	31-08-2018	30-09-2020
Kurt Buchmann	Fiskeristyrelsen	TESLO - Sælrelateret leveorm i Østersøtorsken:	48.750	04-12-2017	04-12-2020
Søren Skov	Kleresca / FB Dermatology	Maiken M. Pedersen Post.doc financial support	1.380.856	01-12-2018	30-11-2020
Helena Mejer	Dansk Kennel Klub	Parasitter hos grønlandske slædehunde	49.000	12-10-2018	31-12-2019
Jørgen Johannes Leisner	Væksthus Syddanmark	Aftale med Væksthus Syd	75.600	01-12-2018	31-12-2019
Kurt Buchmann	Miljø- og Fødevareministeriet	Re-thinking organic trout production (ShelterFish)	1.024.380	01-01-2019	31-12-2021
Birgitte Jyding Vennervald	EDCTP European & Developing Countries Clinical Tr	FibroScHot	647.619	01-08-2018	31-07-2022
Karla Kristine Freude	Novo Nordisk Fonden	Investigation of Microglia in Sporadic Alzheimers	1.800.000	01-01-2019	31-12-2021
Dan Børge Jensen	HRZ 2020 Collaborative Project (RIA IA CSA)	CYBELE	3.680.235	01-01-2019	31-12-2021
Hanne Helene Hansen	Biosa Danmark ApS	Student's Examination Project - Biosa	60.400	01-01-2019	31-08-2019
Andrew Richard Williams	Novo Nordisk Fonden	Dietary regulation of type-2 inflammation	1.837.500	01-05-2019	30-04-2021
Arshnee Moodley	Mælkeafgiftsfonden	Alternativ og effektiv biosanering	362.000	01-01-2019	31-12-2019

Susanna Cirera Salicio	Agrias & SKKs forskningsfond	MicroRNAs som biomarkörer i icke-infektiös inflamm	143.160	01-01-2019	31-12-2020
Tariq Hisham Beshara Halasa	Mejeriforeningen Danish Dairy Board	Yversundhed i verdensklasse	750.000	01-10-2018	31-07-2020
Peter Karlskov-Mortensen	Agrias & SKKs forskningsfond	Petit Baset Griffon Vendeen	42.378	01-01-2019	31-12-2019
Axel Jacob Kornerup Hansen	Danisco Sweeteners Oy	ProLung MTA	298.480	01-01-2019	31-12-2020
Peter Panduro Damborg	Agrias & SKKs forskningsfond	Agria Pseudomonas 2019	333.042	01-01-2019	31-12-2021
Ditte Olsen Lützhøft	Fonden til Lægevidenskabens Fremme	Udvik. Og forbedring af en type-2 minigris	30.000	08-02-2019	01-10-2020
John Elmerdahl Olsen	InnovationsFonden	PigVac	4.713.022	01-02-2019	01-02-2023
Björn Anders Forkman	Landbrugsstyrelsen	ViD-2019	1.168.000	01-01-2019	31-08-2020
Jens Peter Nielsen	SEGES P/S	OAA	50.000	01-10-2018	01-07-2019
Jens Peter Nielsen	SEGES P/S	Navlebrok	117.600	01-10-2018	01-07-2019
Einar Vargas Bello Perez	Danish Clean Water A/S	Effects af chlorinated drinking water	163.800	01-02-2019	31-12-2019
Caroline M. Junker Mentzel	Fonden til Lægevidenskabens Fremme	Translation af gen. data i fedtvæv fra mus	60.000	08-02-2018	31-05-2020
Marianne Halberg Larsen	Royal Embassy of Saudi Arabia	Scholarship Ahmed Eassa H. Alfifi	300.000	01-01-2019	31-12-2021
Hanne Ingmer	InnovationsFonden	Erhvervs PhD	360.000	23-04-2019	22-04-2022
Tariq Hisham Beshara Halasa	SEGES P/S	Towards Herd-Specific Udder Health Management	813.477	01-04-2019	31-03-2024
Anders Dalsgaard	Danida Fellowship Centre	Salmonella control in the Colombian pig industry	2.232.800	01-05-2019	30-04-2021
Mette Benedicte Olaf Nielsen	Enerdry A/S	Ernæringsmæssig kvalitet af tørret distillers	60.000	01-05-2019	30-06-2019
Ditte Olsen Lützhøft	Carl og Ellen Hertz' Legat til Dansk Læge- og Natu	Legat	10.000	12-05-2019	01-06-2020
Jørgen Johannes Leisner	Sino-Danish Center for Education and research	Ph.d. bevilling fra SDC	1.500.000	01-10-2019	31-12-2022
Lone Brøndsted	DFF Teknologi og Produktion (FT	Tailocins	6.062.102	01-09-2019	31-08-2022
Rikke Heidemann Olsen	Novo Nordisk Fonden	Promising novel antimicrobial compounds	836.000	01-06-2019	30-04-2020
Louise Kruse Jensen	BoneSupport AB	Collaboration agreement	74.688	01-04-2019	31-12-2019
Martine Camilla Holst Sørensen	Intralytix Inc.	Phage-host interactions of Campylobactor	1.463.927	01-09-2019	31-12-2022
Jan Gorodkin	DFF Teknologi og Produktion (FT	CRISPRcomp	3.012.525	01-07-2019	30-06-2023
Poul Hyttel	DFF Teknologi og Produktion (FT	CRIPSPRcomp:	1.665.481	01-07-2019	30-06-2023

Kurt Buchmann	InnovationsFonden	TECHFISH	5.076.000	01-01-2019	31-12-2021
Kirstine Schmidt Callø	Foreningen Kustos af 1881	Pludselig hjertedød hos hest	20.000	01-08-2019	31-12-2020
Hanne Helene Hansen	Lerøy Seafood Group ASA	Kvalitet af frisk og ensileret sukkertang	90.000	01-06-2019	30-09-2019
John Elmerdahl Olsen	Statens Serum Institut	EU-JAMRAI	208.880	01-07-2019	31-08-2020
Anne Sofie Vedsted Hammer	Miljøstyrelsen	Fordøjelsessystemets anatomi og bakteriologi	39.999	01-01-2017	31-12-2019
Dorte Bratbo Sørensen	Fødevarestyrelsen	Optimiz of the Oral Glukose Tolerance	60.526	01-09-2019	22-11-2019
René Bødker	Fødevarestyrelsen	Overvågning og analyse af vektorer og risikoen for	1.492.000	01-01-2019	31-12-2019
Hans Houe	InnovationsFonden	Erhvervs-PhD Susanne Leth Musse	360.000	02-09-2019	01-09-2022
Caroline M. Junker Mentzel	Carl og Ellen Hertz' Legat til Dansk Læge- og Natu	Legat	10.000	12-05-2019	31-12-2020
Tariq Hisham Beshara Halasa	Fødevarestyrelsen	Afrikansk svinepest, forskning og modellering	1.524.000	01-01-2019	31-12-2019
Luca Guardabassi	AniCura AB	AniCura	53.600	01-01-2020	31-12-2021
Lone Brøndsted	Miljø- og Fødevareministeriet	CAMPACT	4.752.873	01-09-2019	31-08-2022
Poul Hyttel	Mælkeafgiftsfonden	EliteSemen	80.652	01-01-2019	31-12-2021
John Elmerdahl Olsen	Miljø- og Fødevareministeriet	ClafCare	2.629.680	01-10-2019	01-03-2022
Per Torp Sangild	Danmarks Tekniske Universitet (DTU)	DTU's bidrag til Infantbrain	350.000	01-10-2017	14-02-2020
Merete Fredholm	Dansk Kennel Klub	Discusprolaps hos coton de tulear	10.000	01-09-2019	01-03-2020
Jens Peter Nielsen	Landbrugsstyrelsen	VETforlig III	3.300.000	01-01-2019	31-12-2019
Total sum of externally financed research projects, Vetschool (IKV & IVH) October 2019			**544.879.988**		

“Health and welfare for animals and people in a changing world”

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