Networking Symposium on Vascular Proteomics

Time: 10:00-16:30, September 14th, 2022
Venue: Festauditoriet (Aud. A1-01.01), Bülowsvæj 17, 1870 Frederiksberg C, Denmark

Main Organizer: Lars Jørn Jensen, Associate Professor, Group Leader of Cerebrovascular Physiology, Section for Pathobiological Sciences, Dept. of Veterinary and Animal Sciences, University of Copenhagen (SUND). Contact: Lajj@sund.ku.dk

The scope of the symposium is to make connections and exchange information between researchers with a genuine interest in mass spectrometry-based proteomics applied to the vasculature (and heart) in relation to hypertension and/or its risk factors, aging, obesity and diabetes. We have invited a range of research leaders and younger researchers to present their data and projects. The topics covered include large arteries, resistance arteries, microcirculation, myocardial dysfunction, lifestyle diseases, hypertension, stroke and aging. We encourage anyone with an interest in these topics to participate in the symposium, which is free of charge (see sponsors below). The symposium will be streamed online with possibility to ask questions via chat (online access details will be updated shortly before the symposium date).

In the interest of refreshments and lunch, please sign up for the symposium by sending a mail to the organizer (Lajj@sund.ku.dk) before August 31st. Please indicate if you register for the symposium via streaming only or with physical attendance. When the auditorium is filled up, it may unfortunately be necessary to reject further registration.

Program of invited speakers (25+5 min):

9:30-10:00: Coffee served in “Konsistoriums Mødesal” next to the auditorium

10:00-10:05: Introduction to Symposium by Lars Jørn Jensen

10:10-10:40 Lars Melholt Rasmussen, Dept. of Clinical Biochemistry and Unit for Cardiovascular and Renal Research, University of Southern Denmark (lars.melholt.rasmussen@rsyd.dk). Title: “The arterial proteome in relation to diabetes, aneurysms and other vascular conditions”

10:40-11:10 Martin Røssel Larsen, Department of Biochemistry and Molecular Biology, University of Southern Denmark (mrl@bmb.sdu.dk). Title: “Dissecting the redox sensitive proteome using mass spectrometry”

11:10-11:40 Michael J Davies, Dept. of Biomedical Sciences, University of Copenhagen (davies@sund.ku.dk). Title: “In situ proteomic characterization of atherosclerotic lesions”

11:40-12:10 Johan Palmfeldt, Department of Clinical Medicine, Research Unit for Molecular Medicine, Aarhus University (johan.palmfeldt@clin.au.dk). Title: Proteomics to elucidate metabolic and cardiovascular disorders”.

Lunch Break (Konsistoriums Mødesal; sandwishes and refreshments served): 12:15-13:15
Networking Symposium on Vascular Proteomics

13:20-13:50 Andrea Sorrentino, The Novo Nordisk Foundation Center for Protein Research and Dept. of Biomedical Sciences, University of Copenhagen (andrea.sorrentino@sund.ku.dk). Title: “Myocardial remodeling in heart failure and molecular effect of treatment”

13:50-14:20 James Todd Pearson, Dept. of Cardiac Physiology, National Cerebral and Cardiovascular Center Research Institute, Osaka, Japan (jpearson@ncvc.go.jp). Title: “Investigating the Molecular Basis of Early Coronary Microcirculation Dysfunction in Rodents and Basic to Clinical Proteomic Studies at the NCVC”

14:20-14:50 Lars Edvinsson, Clinical Experimental Research Department, Glostrup, Rigshospitalet University Hospital, Copenhagen, and Experimental Vascular Research, Medicine, Lund University (lars.edvinsson@regionh.dk). Title: “Cerebrovascular receptor plasticity in stroke”

Coffee/Tea Break (Konsistoriums Mødesal)

15:20-15:50 Joakim Armstrong Bastrup, Dept. of Biomedical Sciences, University of Copenhagen (joakim.bastrup@sund.ku.dk). Title: “Identification of novel proteins and pathways associated with hypertension by deep proteomic mapping of resistance arteries”.

15:50-16:20 Lars Jørn Jensen, Dept. of veterinary and Animal Sciences, University of Copenhagen (Lajj@sund.ku.dk). Title: “Functional and proteomic changes of murine resistance vessels in aging”.

16:20-16:30: Concluding Remarks by Lars Jørn Jensen

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