



Center for Heart Failure Research

CHFR workshop:

Compartmentation of cardiac signalling - experimental approaches, possibilities and limitations

Monday October 27th 2014 11.30 – 16.00

Oslo University Hospital, Rikshospitalet

B1: Grønt Auditorium 1, RH

11.30: Lunch with sandwiches

11.55-12.00: Finn Olav Levy, University of Oslo and Oslo University Hospital, Department of Pharmacology/CHFR/KGJCRC, Oslo

Welcome, practical information

12.00-12.45: Invited lecture:

Manuela Zaccolo, University of Oxford, Department of Physiology and Anatomy and Genetics, Oxford, UK

Title: Subcellular microdomains compartmentalise β -adrenergic signalling in the heart

Moderator: Finn Olav Levy, University of Oslo and Oslo University Hospital, Department of Pharmacology/CHFR/KGJCRC, Oslo

12.45-13.00: Coffee break

13.00-16.00: Project presentations

13.00-13.25: Silja Meier, University of Oslo and Oslo University Hospital, Department of Pharmacology/CHFR/KGJCRC, Oslo

Title: Enhancement of β_1 -adrenoceptor signaling by CNP through NPR-B and regulation by phosphodiesterases in normal and failing hearts

Moderator: Lise Román Moltzau, University of Oslo and Oslo University Hospital, Department of Pharmacology/CHFR/KGJCRC, Oslo

13.25-13.55: Magnus Aronsen, University of Oslo and Oslo University Hospital, Institute for Experimental Medical Research/CHFR/KGJCRC, Oslo

Title: Physical coupling between SERCA2 and PDE3A regulates SERCA2 activity in cardiomyocytes

Moderator: Ivar Sjaastad, University of Oslo and Oslo University Hospital, Institute for Experimental Medical Research/CHFR/KGJCRC, Oslo

13.55 -14.25: Ana Calejo, University of Oslo, Biotechnology Centre of Oslo, Oslo

Title: Targeting adrenergic regulation of SERCA2 complex in the heart with small molecules

Moderator: Kjetil Taskén, University of Oslo, Biotechnology Centre of Oslo /Centre for Molecular Medicine Norway

14.25-14.40: Coffee break

14.40-15.05: Selene Julie Sollie, University of Oslo and Oslo University Hospital, Department of Pharmacology/CHFR/KGJCRC, Oslo

Title: Titin phosphorylation, passive tension and cyclic nucleotide signalling in cardiomyocytes

Moderator: Kjetil Wessel Andressen/Lise Román Moltzau, University of Oslo and Oslo University Hospital, Department of Pharmacology/CHFR/KGJCRC, Oslo

15.05-15.30: Ornella Manfra, University of Oslo and Oslo University Hospital, Department of Pharmacology/CHFR/KGJCRC, Oslo

Title: Elucidating compartmentation of receptor-mediated cGMP signalling in regulating inotropic responses in cardiac myocytes

Moderator: Kjetil Wessel Andressen, University of Oslo and Oslo University Hospital, Department of Pharmacology/CHFR/KGJCRC, Oslo

15.30-16.00: Stefania Monterisi, University of Oxford, Department of Physiology and Anatomy and Genetics, Oxford, UK

Title: Investigating the role of PDE2 in cardiac mitochondria

Moderator: Manuela Zaccolo, University of Oxford, Department of Physiology and Anatomy and Genetics, Oxford, UK

- Each project has a total of 25 or 30 minutes available for introduction, presentation and discussion.
- Each project presentation is briefly introduced by a supervisor or senior investigator on the project, i.e. the moderator.
- Presentations are limited to 15 minutes.
- The presentations are followed by a plenary discussion moderated by the supervisor/senior investigator.

CHFR Center for Heart Failure Research, KGJCRC KG Jebsen Cardiac Research Centre