

WCMM-LiU symposium Linköping 8-9 December 2016

Lecture hall Hugo Theorell, North entrance, level 9, Campus US

(Abstracts will be available at <https://people.ifm.liu.se/stekl/posterwcmm2016.pdf>)

Thursday 8 December 2016

Presentation WCMM

13:00-13:30

Bio-electronics and Biosensors

Chairperson Karin Wårdell

Department of Biomedical Engineering
Faculty of Science & Engineering, LiU

13:30-13:50

"Stretchable electronics for spinal cord stimulation and bladder control"

Janos Vörös (SAB)

Laboratory of Biosensors and Bioelectronics
ETH, Zürich, Switzerland

13:50-14:05

"Bioorganic semiconductors"

Eric Glowacki (WCMM-fellow)

Laboratory of Organic Electronics
Faculty of Science & Engineering, LiU

14:05-14:20

"Organic Neuroelectronics"

Daniel Simon (LiU)

Laboratory of Organic Electronics
Faculty of Science & Engineering, LiU

14:20-14:35

"Peptide-based nanomaterials for biodetection, drug delivery and tissue engineering"

Daniel Aili (LiU)

Division of Molecular Physics
Faculty of Science & Engineering, LiU

14:35-15:30

Poster session with Coffee

Tissue engineering, organ-on-a-chip

Chairperson Kajsa Uvdal

Division of Molecular Surface Physics and
Nanoscience

Faculty of Science & Engineering, LiU

15:30-15:50

"Organ-on-a-Chip assays for speeding-up drug development"

C-F Mandenius (LiU)

Division of Biotechnology

Faculty of Science & Engineering, LiU

15:50-16:10

"Towards Improved Molecular and Regenerative Therapies to Combat Blindness"

Neil Lagali (LiU)

Division of Neuro and Inflammation Sciences

Faculty of Medicine & Health Sciences, LiU

16:10-16:30

"Wnt signaling in health and disease – a loose cannon"

Stefan Koch (WCMM-fellow)

Division of Microbiology and Molecular
Medicine

Faculty of Medicine & Health Sciences, LiU

~~16:30-16:50~~

~~*"Engineering stem cell self-organisation"*~~

~~Matthias Lutolf (SAB)~~

~~Laboratory of Stem Cell Bioengineering, Ecole
Polytechnique Federale de Lausanne (EPFL),
Lausanne, Switzerland~~

Dinner

19:00-

at LäkarSällskapet, Klostergatan 45C



WCMM = Wallenberg Center for Molecular Medicine at Linköping University

SAB = WCMM-LiU Scientific Advisory Board

For questions on the arrangement contact Stefan Klintström at stefan.welin.klintstrom@liu.se

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Friday 9 December 2016

Neuroscience

Chairperson Fredrik Elinder

Division of Cell Biology

Faculty of Medicine & Health Sciences, LiU

09:30-09:50

"Neurodegeneration – mechanisms to medicines"

Giovanna Mallucci (SAB)

Dept of Clinical Neurosciences

University of Cambridge

United Kingdom

09:50-10:05

"Studies of multiple levels of gene regulation from specific cell types of complex tissues"

Walker Jackson (WCMM-fellow)

Division of Neuro and Inflammation Sciences

Faculty of Medicine & Health Sciences, LiU

10:05-10:30

Poster session with Coffee

10:30-10:45

"Neural pathways of affective touch"

India Morrison (LiU),

Division of Neuro and Inflammation Sciences

Faculty of Medicine & Health Sciences, LiU

10:45-11:00

"Ion channels – Mechanisms of disease-causing mutations and development of new pharmacological compounds"

Sara Liin (LiU)

Division of Cell Biology

Faculty of Medicine & Health Sciences, LiU

11:00-13:00

Poster session with wraps

(From 11:30 wraps and coffee next to the posters)

Imaging: from small to large

Chairperson Anders Persson

Division of Radiological Sciences

Faculty of Medicine & Health Sciences, LiU

13:00-13:20

"From Personalized to Precision Imaging"

Gabriel Kreftin (SAB)

Department of Radiology at Erasmus MC,

University Medical Center Rotterdam,

Netherlands

13:20-13:40

"New ways in the area of surgical navigation"

Erik Schkommodau (SAB)

Institute for Medical and Analytical

Technologies, University of Applied Sciences

and Arts Northwestern Switzerland, Basel,

Switzerland

13:40-13:55

"DSB mobility and DNA repair: the role of 53BP1, the LINC complex and dynamic microtubules"

Francisca Lottersberger (WCMM-fellow)

Division of Drug Research

Faculty of Medicine & Health Sciences, LiU

13:55-14:10

"Understanding viral entry mechanisms through multi-level structural analysis"

Eleonore von Castelmuur (WCMM-fellow)

Division of Molecular Biotechnology

Faculty of Science & Engineering, LiU

14:10-14:20

Closing remarks



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