

**Nordic EMBL Partnership in Molecular Medicine - 5th Network Meeting,
26-28 August 2014 Umeå, Aula Nordica, Umeå University****Final Programme****Tuesday, 26 August**

- 13.00 *Registration, poster hanging with coffee*
- 15.00-15.15 *Welcome address and update on MIMS activities*
Bernt Eric Uhlin, Director MIMS
- 15.15-15.25 *Update on DANDRITE activities*
Poul Nissen, Director DANDRITE
- 15.25-15.35 *Update on FIMM activities*
Olli Kallioniemi, Director FIMM
- 15.35-15.45 *Update on NCMM activities*
Kjetil Taskén, Director NCMM
- 15.45-16.15 *MIMS keynote speaker*
Emmanuelle Charpentier (HZI/MIMS): *CRISPR-Cas9 discovery and applications*
- 16.15-16.30 Break
- 16.30-16.45 *Update on EMBL activities*
Iain Mattaj, Director General EMBL
- 16.45 -18.15 **Session I**
Chairpersons: Ian Mills, NCMM and Emmanuelle Charpentier, MIMS
- 16.45-17.00 Elisa Fiorito (NCMM): *CTCF controls long-range genomic interactions between enhancer regions and ER regulated genes*
- 17.00-17.15 Prson Gautam (FIMM): *Identification of subgroups of triple negative breast cancer cells with selective responses to mTOR, CDK, and mitotic inhibitors*
- 17.15-17.30 Olli Salin (MIMS): *Acylated Sulfonamides as Novel Antibiotics Targeting Chlamydia trachomatis Lipid Metabolism*
- 17.30-17.45 Peter Horvarth (FIMM): *Phenotypic discovery using machine learning and image analysis methods*
- 17.45-18.00 Lina Malinauskaite (DANDRITE): *New Insights into the Transport Mechanism of the NSS Family*

18.00-18.15 Martine Eilert-Olsen (NCMM): *Ca²⁺ signals in fine astrocytic processes: effect of swelling*

18.15-19.30 **Poster session I**

19.30 *Mingle plate dinner, at Universum*
Steering committee meeting, Guitar Museum

20.30 *Social event - Guitar Museum, city centre Umeå*

Wednesday, 27 August

9.00-10.30 **Session II**

Chairpersons: Teero Aittokallio, FIMM and Sun Nyunt Wai, MIMS

9.00-9.30 Maja Köhn (EMBL, Heidelberg): *Phosphatase of regenerating liver-3 as drug target in cancer*

9.30-9.45 Muntasir Mamun Majumder (FIMM): *Turning multiple myeloma inside out*

9.45-10.00 Kun Sun (MIMS): *Bacterial two-hybrid screening for small molecule compounds against Vibrio cholerae Type VI Secretion System (T6SS)*

10.00-10.15 Karen Marie Pedersen (DANDRITE): *SorCS1, encoded by the Alzheimer's Disease and type 2 diabetes susceptibility gene SORCS1, is a potent regulator of peripheral insulin sensitivity*

10.15-10.30 Mads Fuglsang Kjolby (DANDRITE): *The ectodomain of SorCS1 increases peripheral insulin sensitivity and lowers plasma glucose levels in mice*

10.30-10.45 *Coffee break*

10.45-12.00 **Poster session II**

12.00-13.00 **Lunch**

13.00-14.30 Parallel Meetings (*Steering committee, PI:s, PhD-students, Post-docs, Management, tbd*)

14.30-15.30 **Session III**

Chairpersons: Anne von Philipsborn, DANDRITE and Nelson Gekara, MIMS

- 14.30-14.45 Sara B. Hernández (MIMS): *Bile-induced peptidoglycan remodeling in Salmonella enterica*
- 14.45-15.00 Florian Hilbers (DANDRITE): *A systematic study of α and β subunit combinations of the Na,K-ATPase*
- 15.00-15.15 Ashwini Nagaraj (FIMM): *Heterogeneity of progenitor cell-specific lung tumours in vivo*
- 15.15-15.30 Nikolai Engedal (NCMM): *Deciphering how calcium and ER stress responses affect autophagy in prostate cancer cells*
- 15.30-16.00 **Coffee break**
- 16.00-18.00 **Session IV**
Chairpersons: Judith Staerk, NCMM and Constantin Urban, MIMS
- 16.00-16.30 Michael Lisanti (University of Manchester, UK): *Re-inventing the Cancer Paradigm to Achieve the Goals of Personalized Medicine*
- 16.30-16.45 Judith Staerk: (NCMM): *Role of 5-hydroxymethylcytosine in human hematopoiesis*
- 16.45-17.00 Anne von Philipsborn (DANDRITE): *Neuronal circuits for Drosophila courtship song*
- 17.00-17.15 Johan Normark (MIMS): *Immunological responses to Plasmodium and bacterial concomitant infection*
- 17.15-17.30 Antoni Hurtado (NCMM): *Selective stimulation of HER-2/HER-3 signalling-pathway triggers FOXA1 and confers hormone resistance in breast cancer*
- 17.30-17.45 Maria Anastasina (FIMM): *Influenza A virus: its diversity and interactions with the host cell*
- 17.45-18.00 Arne Möller (DANDRITE): *The installation of a Danish TEM facility for Biological samples at Aarhus*
- 19.00 **Arts Museum (Bildmuseet) and Dinner
Art Campus Umeå University**

Thursday, 28 August

- 9.00-10.30 **Session V**
Chairpersons: Mark Denham, DANDRITE and Anna Överby MIMS
- 9.00-9.30 Martin Jechlinger (EMBL, Monterotondo): *Escaping Oncogene Addiction: Features of Residual Cancer Cells*
- 9.30-9.45 Poul Henning Jensen (DANDRITE): *Lets (not) do the twist with alpha-synuclein*
- 9.45- 10.00 Maria Joanna Niemiec (MIMS): *Face-to-face RNA-Seq analysis of the neutrophil - Candida albicans interaction*
- 10.00-10.15 Kaare Bjerregaard-Andersen (NCMM): *A proton wire and water channel revealed in the crystal structure of isatin hydrolase*
- 10.15-10.30 Svitlana Vdovikova (MIMS): *Membrane vesicles: a new strategy of Listeria monocytogenes to adapt to variable environmental conditions*
- 10.30-11.00 **Coffee break**
- 11.00-13.00 **Session VI**
Chairpersons: Krister Wennerberg, FIMM and Maria Fällman, MIMS
- 11.00-11.30 Pierre Neveu (EMBL Heidelberg): *Dynamics of embryonic stem cell heterogeneity*
- 11.30-11.45 Mark Denham (DANDRITE): *Re-creating the Nervous System in a Dish with Human Pluripotent Stem Cells*
- 11.45-12.00 Vilja Pietiäinen (FIMM): *Functional analysis of genes linked to blood lipid levels in genome-wide association studies*
- 12.00-12.15 Bhagwan Yadav (FIMM): *Quantitative scoring of differential drug sensitivity for individually optimized anticancer therapies*
- 12.15-12.30 Ellen Østensen (NCMM): *Targeting adrenergic regulation of the SERCA2 complex in the heart*
- 12.30-12.45 Annasara Lenman (MIMS): *Human adenovirus type 52 uses sialic acid as a cellular receptor. Implications for tropism and therapy.*
- 12.45-13.30 *Lunch*
- 13.30-14.30 Reports of the parallel meetings
Conclusions
- 14.30 **Departure**