



9th Nordic EMBL Partnership Meeting 2018

Main Scientific Meeting Programme

Day One: Thursday 13 September

8:30-9:00 - Poster set up, coffee and tea

Opening session

9:00 Welcome: Hartmut Luecke (Acting Director, NCMM)

9:05 – 10:30: Institute updates

- Poul Nissen, DANDRITE (15 mins)
- Bernt Eric Uhlin, MIMS (15 mins)
- Mark Daly, FIMM (15 mins)
- Hartmut Luecke, NCMM (15 mins)
- Iain Mattaj, EMBL (20 mins)

10:30 – 11:00: Morning coffee break

11:00 – 11:45: **Keynote talk: Mark Daly**, *“Finnish opportunities in research and clinical genetics –a global perspective”* **Chair: Janna Saarela**, Assistant Director, FIMM.

11:50 – 12:50: – Lunch

13:00: Group Photo

13:15 – 14:15: Introducing the Nordic EMBL Partnership's newly appointed Group Leaders (8 + 2 min per speaker)

Chair: Judith Staerk, Group Leader, NCMM

- Jing Tang, FIMM: *“Network pharmacology for precision medicine”*
- Emma Haapaniemi, NCMM: *“Ways to improve precision genome editing”*
- Barbara Sixt, MIMS: *“Illuminating the Hidden Power of Cell-Autonomous” Immunity*
- Antti Latvala, FIMM: *“Genetic Epidemiology of Substance Use and Mental Disorders”*
- Eero Vuoksima, FIMM: *“Future challenges in cognitive aging”*
- Ellen Bushell, MIMS: *“A systematic in vivo genetic analysis of parasite genes modulating pathogen-host interactions and pathology in malaria”*

14:15 – 14:30: Short break



14:30 – 16:00: Research from across the EMBL and Nordic EMBL Partnership

Chair: Duda Kvitsiani, Group Leader DANDRITE

- Justin Crocker, Group Leader EMBL Heidelberg, “*Nuclear microenvironments modulate transcription from low-affinity enhancers*” (20 + 5 mins)
- Taru Tukiainen, FIMM, “*Genomic approaches to decipher the extent and impacts of incomplete X chromosome inactivation*” (15 + 5 mins)
- Kyung-Min Noh, Group Leader, EMBL Heidelberg, “*Dynamics and function of histone variant H3.3 in embryonic stem cells and neurons*” (20 + 5 mins)
- Poul Henning Jensen, Group Leader, “*Calcium dysregulations in Parkinson’s disease*” DANDRITE (15 + 5 mins)

16:00 – 16:30: Break (Coffee & snacks)

16:30 – 18:00: Research from across the EMBL and Nordic EMBL Partnership

Chair: Felipe Cava, Group Leader MIMS

- Hartmut Luecke, Group Leader and Acting Director, NCMM “*Helicobacter pylori Acid Acclimation: The Evil Duo of a pH-Gated Urea Channel and a Cytoplasmic Urease*” (15 + 5 mins)
- Stephen Cusack, Group Leader EMBL Grenoble, “*Structure, mechanism and drug targeting of the influenza virus transcription/replication machine*” (20 + 5 mins)
- William Hennah, Group Leader, FIMM, “*Alternative Variables in the Study of Neuropsychiatric Disorders in Finland*” (15 + 5 mins)
- Cornelius Gross, Group Leader, EMBL Rome “*Learning to hunt: the dynamic neural circuitry of predation*” (20 + 5 mins)

18:00 – 18:30: E-poster session (30 mins)

18:30 – 19:45: Mingling and drinks with main poster session (75 mins)

20:00: Dinner



Day Two: Friday 14 September:

9:00am-10:30am: Research from across the EMBL and Nordic EMBL Partnership

Chair: Nikolina Sekulic, Group Leader NCMM

- Joseph Lyons, Postdoc, DANDRITE, “*Structure of a yeast lipid flippases*” (15 + 5 mins)
- Jonas Ries, Group Leader, EMBL Heidelberg, “*High-throughput superresolution microscopy of endocytosis – linking molecular architecture and mechanics of a protein machinery*” (20 + 5 mins)
- Hiraku Takada, Postdoc, MIMS, “*Bacillus subtilis ABCF resistance factor VmlR directly protects the ribosome from antibiotics tiamulin, streptogramin A and virginiamycin M*” (15 + 5 mins)
- Eva Kowalinski, Group Leader, EMBL Grenoble, “*Structural and functional studies of the cytoplasmic RNA degrading exosome*” (20 + 5 mins)

10:30-11:00 - Coffee break

11:00-11:45: Keynote talk: Oliver Billker, newly appointed Director MIMS, “*Unlocking the unknown biology of malaria parasites*”

Chair: Sun Nyunt Wai

11:45-13:00 - Research from across the EMBL and Nordic EMBL Partnership

Chair: Jin Tang, Group Leader FIMM

- Emilio Bueno, Postdoc MIMS, “*Anaerobic nitrate reduction divergently governs population expansion of the enteropathogen Vibrio cholerae*” (15 + 5 mins)
- Orsolya Barabas, Group Leader EMBL Heidelberg “*Structural insights into jumping DNA: from antibiotic resistance spreading to genetic tools*” (20 + 5 mins)
- Judith Staerk, Group Leader NCMM, “*Mitochondrial dynamics control human neuronal development by preventing aberrant DNA methylation*” (15 + 5 mins)

13:00 - Closing remarks from Hartmut Luecke, NCMM

13:05 - Lunch and departure