Programme CoLuAa XXV 2017 Copenhagen

Sponsored by FEI, Danscatt and Novozymes

Monday, October 30, 2017

12.00-12.30 Registration

Session 1 Chair Guillermo Montoya

12.30-13.00 Kamil Gotfryd, UCPH
New structural insights into the regulation of human aquaporins

13.00-13.15 Michael Winkler AA
Structural studies of the yeast ergosterol transporter NCR1

13.15-13.30 Andreas Holleufer, AA
The cGAS-STING pathway in Drosophila melanogaster

13.30-14.00 Esben Lorentzen, AA
Molecular mechanisms of cilium formation

14.00-14.15 Cecilia Emanuelsson, Lund
Structural model of the oligomeric human molecular chaperone DNAJB6

14.15-14.30 Anders Kadziola, UCPH
Macromolecular diffraction data: Maximum entropy Patterson calculation used to estimate unobserved data

14.30-15.00 Poul Nissen, AA
The evil twin and other translations

15.00-15.30 Coffee break

Session 2 Chair Pontus Gourdon
15.30-16.00 Ditlev Brodersen, AA

**Understanding the molecular basis of bacterial persistence**

16.00-16.15 A. K. Varming, UCPH

**Structural biology of the genetic switch from bacteriophage Tp901-1 – focusing on ci and its interaction with DNA**

16.15-16.30 Tobias Tandrup, UCPH

**Structure determination of Lytic polysaccharide monooxygenases interactions with substrate**

16.30-17.00 Stefano Stella, UCPH

**Structure of CRISPR-Cpf1, the new blade of genome editing**

17.00-17.15 Viktoria Bågenholm, LU

**Galactomannan catabolism conferred by a polysaccharide utilisation locus of Bacteroides ovatus**

17.15-17.30 Kirstine Louise Bendtsen, UCPH

**Understanding protein-protein interactions relevant for neuronal spreading of alpha-synuclein**

17.30-17.45 Maria Rafiq, UCPH

**Insights into the structurally engineered cytochrome P450 BM3 in complex with NSAIDs**

17.45-19.15 Poster session and beer (Hall)

19.15-20.15: Dinner Maersk Building

**Tuesday, October 31, 2017**

*Session 1 Chair Guillermo Montoya*

09.00-10.00 Max Maleta, FEI, Eindhoven, The Netherlands

**Cryo EM workflows for Single Particle Analysis and Tomography of hydrated, intact cells**

10.00-11.00 David Barford, MRC-LMB, Cambridge UK (NNF-CPR seminar)
Structural basis for the regulation of the APC/C in mitosis

11.00-11.30 Coffee break

Session 2 Chair Pontus Gourdon

11.30-11.50 Esko Oksanen, ESS Lund

The European Spallation Source (ESS), the most powerful source of neutrons in the world

11.50-12.10 Tomas Lundqvist

Current and future opportunities for Structural Biology at MAX IV

12.10-12.30 Uwe Mueller MAX-IV

BioMAX and MicroMax status

Farewell

12.45-13.30 Lunch and departure