



MEMBRANES Anniversary Seminar

October 6, 2016

The AULA, building 1412-129B

Programme

- 12.00 - 12.10 *Welcome - Helle Prætorius Øhrwald*
- 12.10 - 13.00 **Keynote**
New signaling and trafficking pathways in polarized epithelial cells
Michael Caplan - Head of Department of Physiology, Yale Medical School
- 13.00 - 13.30 **Sandwiches**
- 13.30 - 13.45 **MEMBRANES**
Helle Prætorius Øhrwald
- 13.45 - 14.25 **Haemoglobin receptors in man and parasites – how do they work and what do they look like**
Søren K. Moestrup
Christian B. Folsted Andersen
- 14.25 - 15.10 **Acid-base regulation in epithelia**
Ebbe Bøtkjer
Jeppe Prætorius
Sebastian Frische
Jens Leipziger
- 15.10 - 15.20 **A disintegrin and metalloprotease-17 and galectin-9 are important regulators of local 4-1BB activity and disease outcome in rheumatoid arthritis.**
Morten A. Nielsen/ Malene Hvid
- 15.20 - 15.45 **Coffee break**

- 15.45 - 16.00 **MEMBRANES: Facilitating systems based approaches to disease**
Robert A. Fenton
- 16.00 - 16.30 **Membrane receptors and their role in development of kidney disease**
Rikke Nielsen
Henrik Birn
- 16.30 - 17.45 **Pumps**
- The Na⁺/K⁺-pump in health and disease – structural and functional perspectives and rescue of compromised function**
Bente Vilsen
- Bacterial Ca²⁺-ATPase-illuminating the pump cycle through single-molecule FRET**
Mateusz Dyla
- Na⁺/K⁺-ATPase and cardiotonic steroids – on the way to isoform-specific drugs**
Natalya Fedosova
- Towards a molecular understanding of lipid flippases**
Joseph Lyons
- Structure and mechanism of lipid pumps – how different are they from ion pumps?**
Jens Peter Andersen
- Rounding up