

2nd Swedish Medicinal Chemistry Symposium

September 25-26, 2019, Stockholm, Sweden

Program

Wednesday, September 25

- 08.15** Registration
- 08.45** Opening remarks – House keeping
Chair: Peter Sjö, DNDi
- 09.00** **Plenary Lecture 1: Application of AI algorithms in the daily life of Medicinal Chemists – Status 2019**
Werngard Czechtizky, AstraZeneca, Mölndal
- 09.45** **Discovery of NUDIX and Glycosylase inhibitors**
Martin Scobie, Karolinska Institutet, Stockholm
- 10.15** Break
- 10.45** **From screening to optimized lead on an “undruggable” aquaporin target for diabetes**
Thomas Brimert, Red Glead Discovery, Lund
- 11.15** **Chemical synthesis of membrane-associated proteins: promising method for drug discovery**
Alesia Tietze, University of Gothenburg
- 11.45** Lunch
Chair: Lena Ripa, AstraZeneca
- 12.45** **Plenary Lecture 2: Elucidation of autophagy by chemical genetic approaches**
Yaowen Wu, Umeå University
- 13.30** **Peptide-based drug discovery – new methods and applications**
Anja Sandström, Uppsala University
- 14.00** **Accelerating drug discovery through automation**
Michael Kossenjans, AstraZeneca, Mölndal
- 14.30** Break
- 15.00** **Arvid Carlsson memorial by Johan Wennerberg**
Chair: Åsa Rosenquist, Xspray Pharma
- 15.30** **Flash Poster Presentations**
- 16.30-18.00** Cocktails & Poster Session

Thursday, September 26

- 08.45** House keeping
Chair: Anna Linusson, Umeå University
- 09.00** **The Swedish Pharmaceutical Society 2019 Medicinal Chemistry Award**
- 09.15** **Exploring the prevalence, function and regulation of short linear motif-based interactions**
Ylva Ivarsson, Uppsala University
- 09.45** **Discovery of Mycobacterial Tolerance Inhibitors – Chemical disarming of drug resistance in Mycobacterium tuberculosis**
Fredrik Almqvist, Umeå University
- 10.15** Break
- 10.45** **DHODH-inhibitors for the treatment of AML**
Ulrika Yngve, ScilifeLab, Uppsala University
- 11.15** **Directed evolution in drug discovery**
Michael Gossing, AstraZeneca, Mölndal
- 11.45** Lunch
Chair: Åsa Rosenquist, Xspray Pharma
- 12.45** **Plenary Lecture 3: Conformational entropy and solvation entropy in protein-ligand binding**
Mikael Akke, Lund University
- 13.30** **Poster Session and Break**
- 14.30** **Discovery of AZD5718, a novel 5-lipoxygenase activating protein (FLAP) inhibitor**
Malin Lemurell, AstraZeneca, Mölndal
- 15.00** **Resin-acid derivatives as potassium channel openers and potential antiepileptic drugs**
Fredrik Elinder, Linköping University
- 15.30-16.00** Concluding Remarks – End of Meeting