



UPPSALA
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SciLifeLab

UDOPP
UPPSALA UNIVERSITY
Drug Optimization &
Pharmaceutical Profiling

10th SYMPOSIUM ON PHARMACEUTICAL PROFILING IN DRUG DISCOVERY AND DEVELOPMENT

January 30, 2020

The Humanities Theatre, English Park Campus, Uppsala

Keynote speakers:

Prof. Elizabeth de Lange (Leiden University)
Prof. Hélder A. Santos (University of Helsinki)
Prof. Matthias Schwab (Stuttgart/Tübingen)
Prof. Patrick Augustijns (KU Leuven)
Prof. Robert S. Langer (MIT, *live webcast*)

The meeting is **free of charge**.

We highly encourage abstract submission for the poster session.

Deadline for registration and abstract submission is January 15, 2020.

<http://doit.medfarm.uu.se/kurt14971>



We hope to see you there!

Per Artursson, Pawel Baranczewski, Christel Bergström and Alexandra Teleki
Drug Delivery Group, Department of Pharmacy, Uppsala University

 @ProfArtursson @UDOPP_AMEoT @BergstromLab @AlexandraTeleki

Website: <https://farmaci.uu.se/research/drugdelivery/research/>

SDDF
The Swedish Drug Delivery Forum


NORDIC POP

AstraZeneca 





SYMPOSIUM PROGRAM

8.00 Registration

Session 1: Drug Discovery Technologies

Chair: Prof. Per Artursson, Uppsala University

8.30 Transporter pharmaco-omics: impact and future direction
Prof. Matthias Schwab, Dr Margarete Fischer-Bosch Institute of Clinical Pharmacology, Stuttgart & Department of Clinical Pharmacology, University Hospital, Tübingen

9.10 Mathematical modelling of microphysiological systems
Dr. Peter Gennemark, BioPharmaceuticals R&D, AstraZeneca

9.40 Proteomics as a scaling tool for drug clearance predictions
Dr. Christine Wegler, Department of Pharmacy, UDOPP, Uppsala University

10.00 Drug delivery flash presentations

10.15 Coffee break & Poster Session

Session 2: Biomarkers in drug discovery and development

Chair: Dr. Pawel Baranczewski, UDOPP, SciLifeLab DDD, Uppsala University

10.45 *Honorary doctor 2020: A novel approach for model-based prediction of neuro-pharmacokinetics and metabolomics based pharmacodynamics*
Prof. Elisabeth de Lange, Leiden Academic Centre for Drug Research, Leiden University

11.25 The Biomarker journey: from discovery to clinical application
Dr. Susanna Eketjäll, BioPharmaceuticals R&D, AstraZeneca

11.50 From mice to man: Translation of exposure, target engagement and efficacy
Dr. Christine Ahlström, BioPharmaceuticals R&D, AstraZeneca

12.15 Lunch at Matikum

Session 3: Oral drug delivery

Chair: Prof. Christel Bergström, Uppsala University

13.30 Exploring a drug's journey through the GI tract: experiences using GI-sampling
Prof. Patrick Augustijns, Department of Pharmaceutical and Pharmacological Sciences, KU Leuven

14.10 Organoid models of the gut – What can we learn from infections?
Prof. Mikael Sellin, Department of Medical Biochemistry and Microbiology, Uppsala University.

14.30 3D-printing of medicines – expectations meet reality
Dr. Julian Quodbach, Institute of Pharmaceutics & Biopharmaceutics, Heinrich Heine University Düsseldorf

14.50 Drug delivery flash presentations

15.00 Coffee break & Poster Session

Session 4: Pharmaceutical nanotechnology

Chair: Prof. Alexandra Teleki, SciLifeLab, Uppsala University

15.30 Towards personalized nanomedicines for precision drug delivery
Prof. Helder Santos, Division of Pharmaceutical Chemistry and Technology, University of Helsinki

16.10 Soft and hard nanoparticles for diagnostics and therapeutics
Dr. Margaret Holme, Department of Medical Biochemistry and Biophysics, Karolinska Institutet

16.30 New approaches for drug delivery and how that may affect drug discovery
Prof. Bob Langer, Department of Chemical Engineering, Massachusetts Institute of Technology

17.15 Concluding remarks



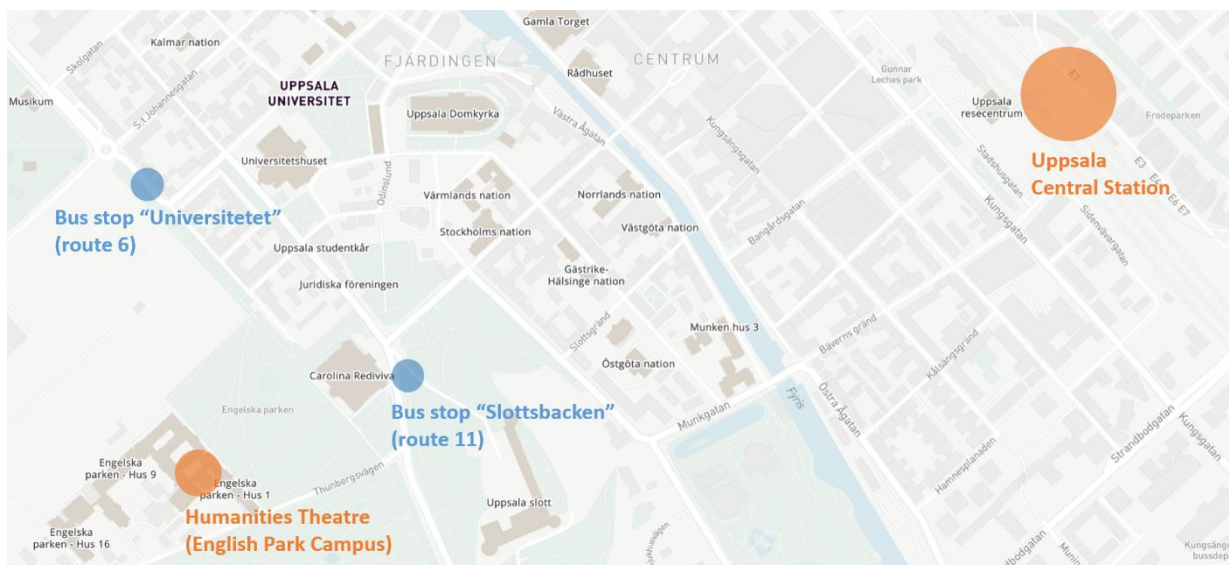
Poster session

We are organizing a poster session in conjunction with the oral sessions at the symposium. There, we highly encourage all participants to showcase and discuss their research with fellow symposium participants during our coffee and lunch breaks. Title and abstract for posters are submitted at the registration website (<http://doit.medfarm.uu.se/kurt14971>) by January 15, 2020. In case you have already registered but would like to add a poster, you can also send the title and abstract information via email to pharmprofiling@farmaci.uu.se. Write Abstract in the subject of the message. Abstracts should include the following subtitles and contain a maximum of 300 words: Aim, Methods, Results, Conclusion.

Practical information

Travel: Uppsala is situated 30 km north from Stockholm Arlanda airport, which is the international airport in Sweden. Other airports in the area are Stockholm Västerås airport, Stockholm Bromma airport and Stockholm Skavsta airport. From Arlanda train and buses depart every 30 minutes and it takes 20-30 minutes to reach Uppsala depending on which mode of transportation is selected. Västerås, Bromma and Skavsta have longer transportation times to reach Uppsala.

Venue: The meeting takes place at the Humanities Theatre (Humanistiska teatern) at the English Park Campus in Uppsala. From the central station the venue is reached by bus or by a 20 minute walk. Green city buses depart every 10-15th minutes and reach Humanistiska teatern within 10 minutes followed by a 10 minute walk from the bus stop. Buses passing close to Humanistiska teatern are 6 (towards Flogsta, get off at “Universitet”) and 11 (towards Gottsunda, get off at “Slottsbacken”). Tickets are purchased in advance at the Uppsala central station or by credit card on the bus.



Questions?

Please do not hesitate to contact the organization team at pharmprofiling@farmaci.uu.se