

Trends in Metabolic Studies of Pharmaceutical Drugs

Programme

09.00 *Registration with exhibition coffee/tea and sandwich*

Chair: *Mikael Hedeland, Uppsala University, Sweden*

09.55 **Introduction**

Mikael Hedeland, Uppsala University, Sweden

10.00 **Biotransformation: Impact and Application of Metabolism in Drug Discovery**

Carl Petersson, Merck KgaA, Darmstadt, Germany

10.30 **Drug Metabolism in Gut Microflora**

Ian D Wilson, Imperial College, London, UK

11.00 **Use of Microdose or C-14 Microtracer for Early Human PK and ADME Data**

Bosse Lindmark, AstraZeneca, Göteborg, Sweden

11.30 **MS Imaging of Small Molecular Drugs and Metabolites in Biological Tissues,**

Per Andrén, Uppsala University, Uppsala, Sweden

12.00 *Lunch*

Chair: *Moa Andresen Bergström, Sahlgrenska University Hospital, Göteborg*

13.00 **Separation and Metabolism of Oligonucleotides**

Sylwia Studzinska, Nicolaus Copernicus University, Torun, Polen

13.30 **Metabolites in Safety Testing – 15 Years On**

Johanna Haglund, Metasafe AB, Södertälje, Sweden

Poster presentations

14.00 **P1 M3D human liver spheroids for metabolism studies of low turnover compounds**

Friederike A. Sandbaumhüter

- 14.15 **P2 Can a Chimeric Mouse with a Humanized Liver Improve Prediction of Human Metabolic Profiles in vivo?**
Isabella Bonner Karlsson
- 14.30 **P3 Drug Metabolite Production for Organ on Chip Applications**
Oliver Degerstedt
- 14.45 **P4 Using AI/ML-Methodology for the Prediction of Pharmacokinetics and Relative Systemic Exposure of Drug Metabolites in Humans**
Urban Fagerholm
- 15.00 *Coffee/tea exhibition and poster session*
- Chair:** *Suzanne Iverson, TKT Sweden, Södertälje*
- 15.30 **Metabolism of Peptide- and Protein Conjugates**
Jesper Kammersgaard Christensen, Novo Nordisk, Maaloev, Denmark
- 16.00 **Metabolism of Peptides and Oligonucleotides – Comparisons Between In Vitro and In Vivo**
Ulrik Jurva, AstraZeneca, Göteborg, Sweden
- 16.30 **Predictive Science and AI in Drug Metabolism**
Susanne Winiwarter, AstraZeneca, Göteborg, Sweden
- 17.00 **New Approaches to investigate Drug Metabolism Across Various Modalities**
Ari Tolonen, Admescope, Finland
- 17.30 – 18.00 Closing and mingle with snacks

Sponsors

