



Hepatocyte Transporter Network 2019
Les Diablerets, Switzerland
1-4 September, 2019

Day 1: Hepatocyte transporters

- Why this conference ?
- 31 speakers
- Presentation of recent discoveries
- Multidisciplinary Symposium
- Networking opportunities
- Future of the research topic



Day 1: Hepatocyte transporters

- Presentations are organised in three topics
- Day 1. Basic knowledge on hepatocyte transporters
- Day 2. Transporters and liver disease
- Day 3. Drug-induced liver toxicity

Day 1: Hepatocyte transporters

09:00 to 10:15	Basic investigations
10:15 to 10:45	Coffee break
10:45 to 11:45	Hepatocyte concentrations
11:45 to 13:00	Lunch
13:00 to 17:45	Easy walk or Glacier 3000, or ...
17:45 to 18:00	Coffee
18:00 to 19:00	Investigating transporter function
19:00	Drink and dinner

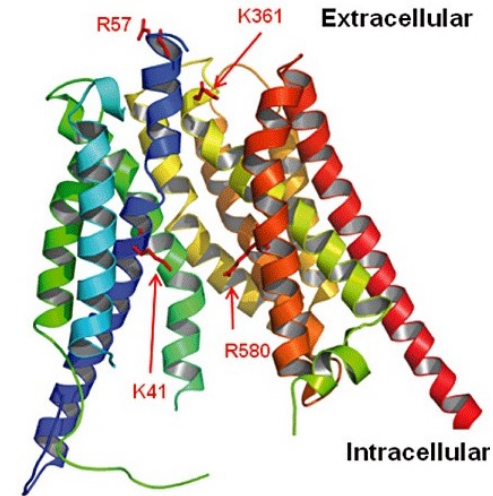
Session 1. Basic investigations



Bruno Hagenbuch

- PhD at the Federal Institute of Technology, Zürich, CH
- Pharmacology, Toxicology, and Therapeutics, University of Kansas

- **Research topic** Drug transport in hepatocytes
- New insights into the sinusoidal transporters
- Hepatocyte Transporter Network



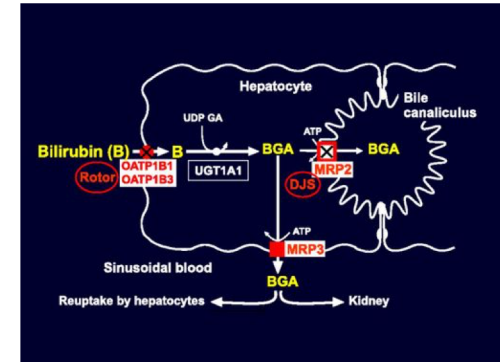
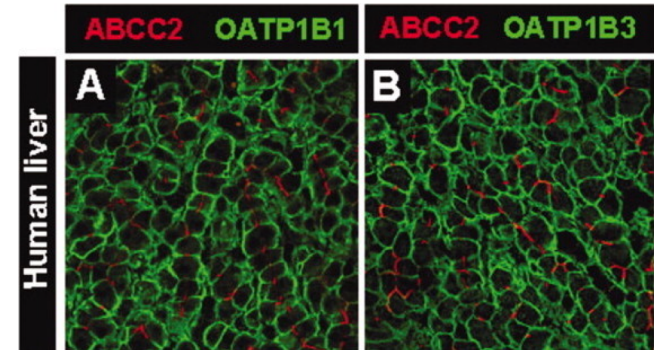
OATP1B1 from within lipid bilayer



Dietrich Keppler

- Professor Emeritus of Biochemistry
- German Cancer Research Center, Heidelberg

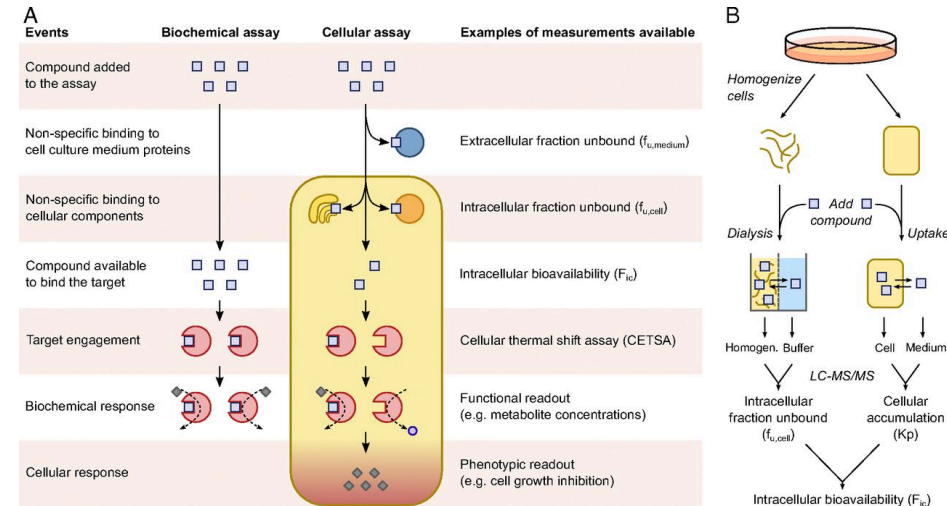
- **Research topic** Molecular analysis of hepatocyte transporters
- Interactions between canalicular and sinusoidal transporters
- Hepatocyte Transporter Network





- Drug delivery group, Department of Pharmacy
- Uppsala University

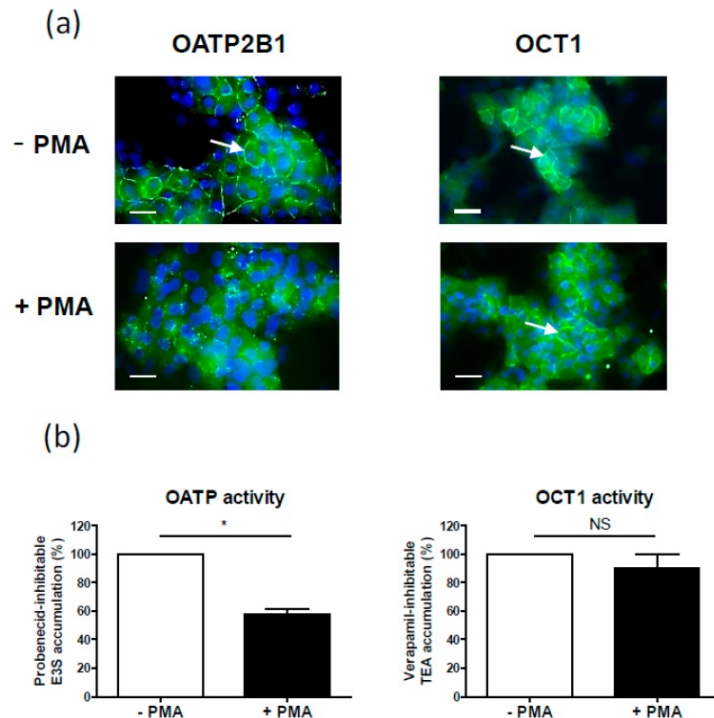
- **Research topic** Drug intracellular concentrations
- Characterization of hepatocyte subpopulations by global proteomics
- Hepatocyte Transporter Network





- **Research topic** Environmental toxicology and cellular transporters
- Regulation of hepatocyte transporters by environmental chemicals
- Hepatocyte Transporter Network

- INSERM Institute in environmental toxicology, Rennes, France



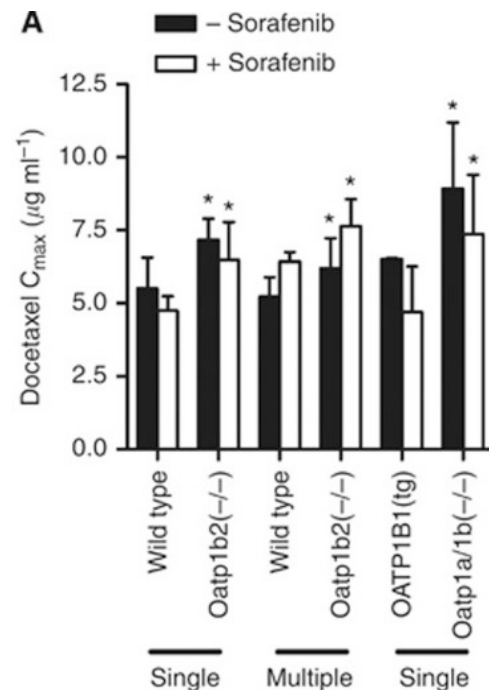
10:15 Coffee break

Session 2. Hepatocyte concentrations



- **Research topic** Kinase inhibitors and transporters
- Kinase inhibitors as modulators of SLC transport function
- Hepatocyte Transporter Network

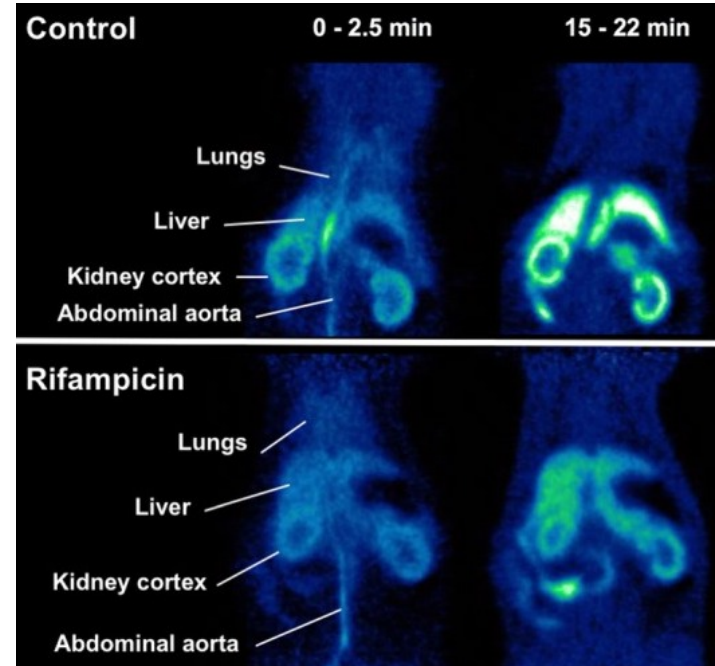
- Pharmaceuticals and Pharmaceutical Chemistry, Ohio State University
- Sharyn Baker and Alex Sparreboom





- Translational imaging and pharmacology
- Paris-Saclay University

- **Research topic** Tissue distribution of drugs
- Imaging techniques to study drug transport function in vivo
- **Hepatocyte Transporter Network**

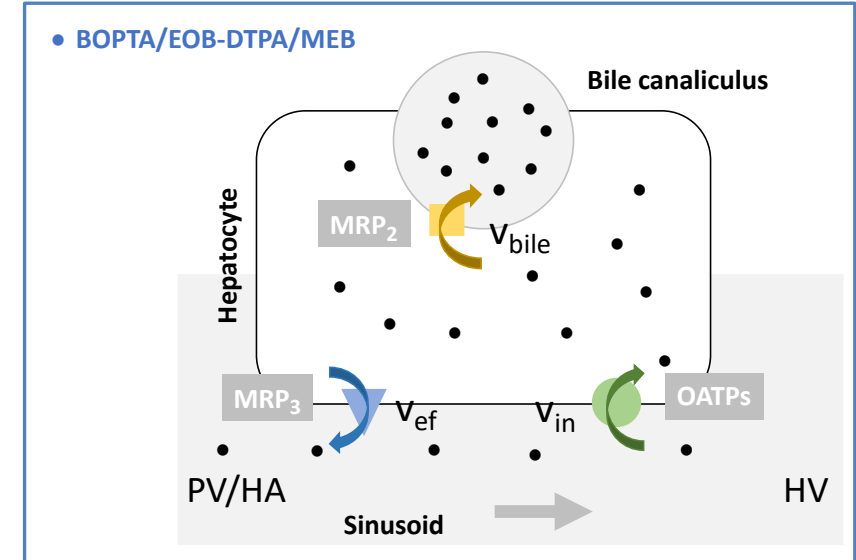




Catherine M Pastor

- Former specialist in Anaesthesia and Intensive Care
- Geneva University Hospital and University of Paris
- Collaboration with Bernard Van Beers

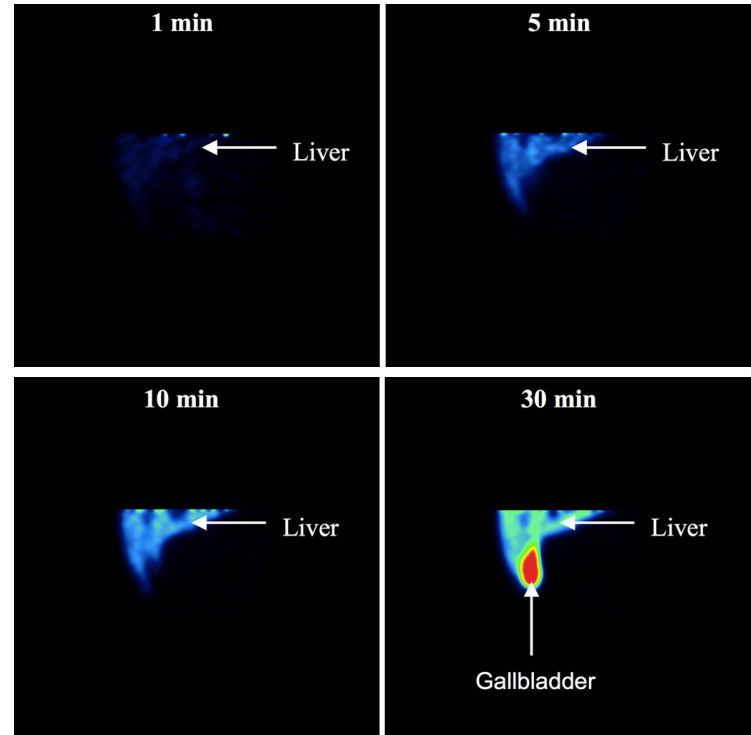
- **Research topic** Hepatocyte concentrations of hepatobiliary MR and SPECT agents
- Hepatocyte concentrations in IPRL
- Hepatocyte Transporter Network





- Department of Pharmaceutics
- University of Washington, Seattle

- **Research topic** Impact of transporters on tissue concentrations
- Predicting intracellular hepatic concentrations of drugs using proteomic data and PET imaging
- **Hepatocyte Transporter Network**



11:45: Lunch

To go to the Glacier 3000

Voucher available
at the desk or Catherine
64 CHF instead of 80 CHF
40 CHF with Swiss half pass



Free with your Free Access card

13:29 or 14:29
“Parc des sports”
near the hotel

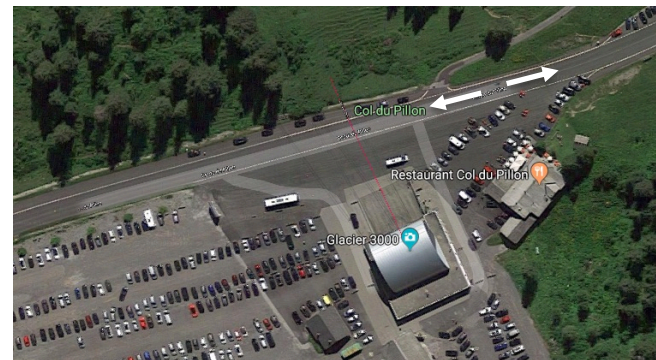


10 min

16:10 or 17:10
Last bus !



10 min





Easy walk to Vers-L'Église
13:30 Eurotel

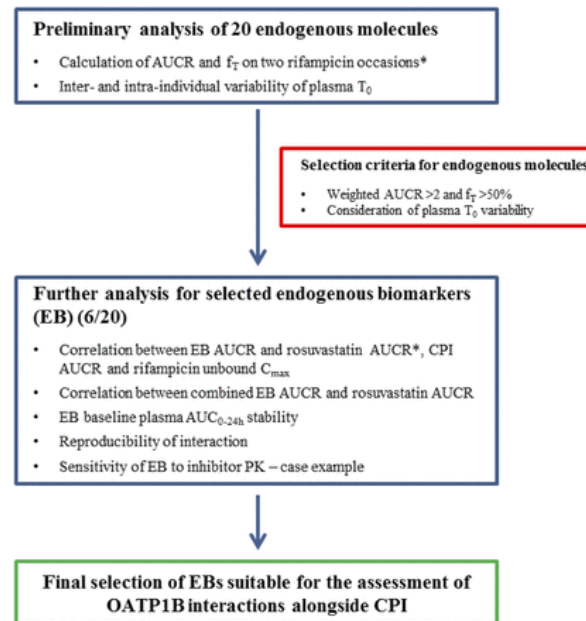
17:45 Coffee

Session 3. Investigating transporter function



- Centre for Applied Pharmacokinetic Research, University of Manchester

- **Research topic** PBPK and transporters
- Endogenous biomarkers for transporter DDIs
- Hepatocyte Transporter Network





Steven Sourbron



- Department of biomedical imaging
- University of Leeds
- Member of the [TRISTAN Consortium](#)

- **Research topic** Imaging biomarkers
- Tracer kinetic modelling of dynamic Gadoxetate-enhanced MRI
- [Hepatocyte Transporter Network](#)

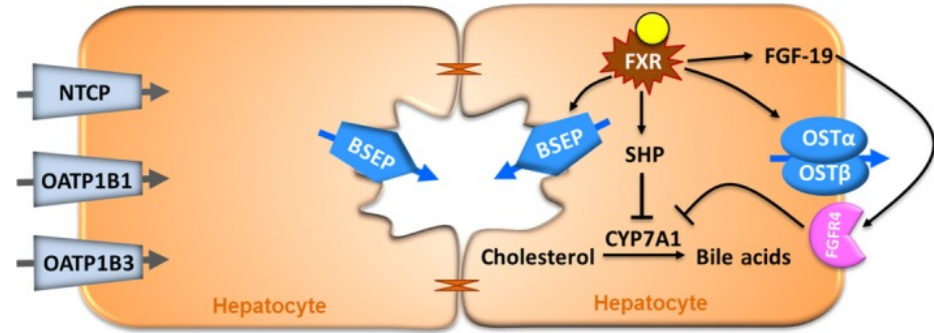




- Director of ADME



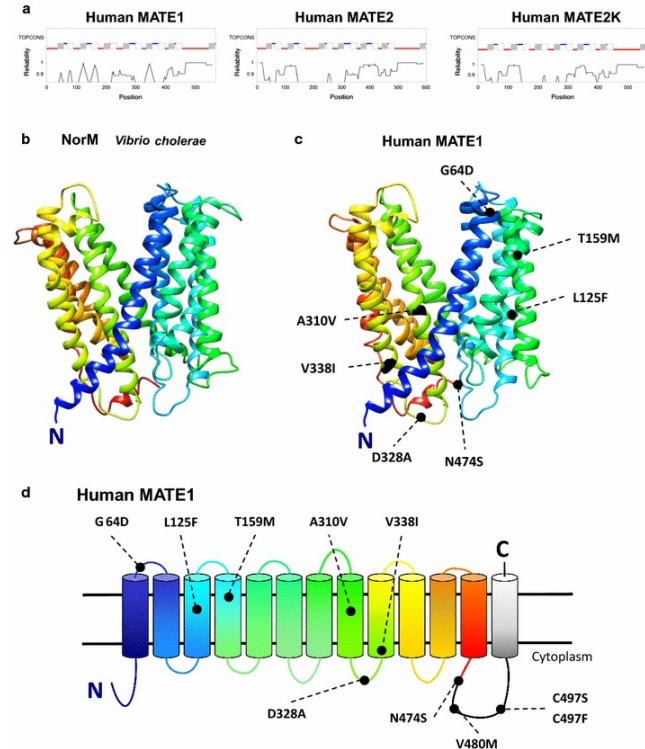
- **Research topic** ADME-Tox research
- Prediction of cholestatic hepatotoxicity: integration of transporter regulation and adaptive response
- **Hepatocyte Transporter Network**





- Institute of Clinical Pharmacology
- Stuttgart

- **Research topic** Biology of drug transporters
- Comprehensive drug uptake transporter proteomics and metabolomic profiling of human liver
- **Hepatocyte Transporter Network**

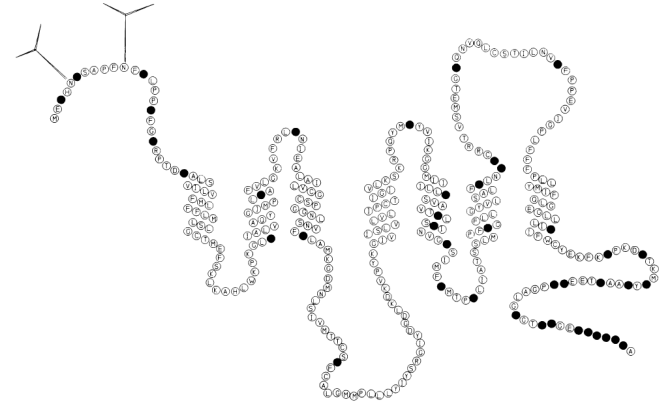




- Founding director of the Centre for Clinical Research, University of Zürich
- Vice-rector for research and talent promotion, University of Basel
- Former president of the Swiss Academy of Medical Sciences

- **Research topic** Transporters and hepatobiliary physiology, drug safety, and liver disease

- **Hepatocyte Transporter Network**



Molecular cloning, chromosomal localization,
and functional characterization of a human liver
Na⁺/bile acid cotransporter. B Hagenbuch, PJ Meier, JCI, 1994

19.00 Drink and dinner

Swiss menu on Tuesday evening!



**Please contact the desk
if you do not want to eat cheese!
Last delay: Monday evening!**