

Greifswalder Transporttage 2018 (preliminary program)

Friday September 7th

Time:	Title of the talk:	Presented by:
16:00-16:30	Registration	
16:30-17:00	Welcome	Giuliano Ciarimboli and Mladen Tzvetkov
17:00-17:45	Mechanistic models for coproporphyrin I and creatinine as endogenous biomarkers for transporter drug-drug interactions	Aleksandra Galetin (Manchester, UK)
17:45-19:00	Membrane transporters as determinants of drug pharmacokinetics (chairs:)	
17:45-18:00	Intracellular Drug Concentrations and Drug Distribution: A Case Study	Cornelius Truenkle (Berlin)
18:00-18:15	How does the antimalarial drug proguanil enter erythrocytes?	Anna Bauer (Greifswald)
18:15-18:30	Lack of mutual pharmacokinetic DDIs for a novel transporter phenotyping cocktail	Chih-Hsuan Hsin (Köln)
18:30-19:00	Salivary tracers to characterize the impact of GI physiology on drug absorption: Validation studies with MRI	Maximilian Sager (Greifswald)
19:00-open end	BBQ at the institute site	

Saturday September 8th

Time:	Title of the talk:	Presented by:
08:00-09:00	Membrane transporters as determinants of drug pharmacokinetics (Part 2) (chair:)	
08:00-08:15	Protein abundance of clinically relevant drug transporters in paired human liver and intestine tissue specimens	Marek Drozdziak (Szczecin, Poland)
08:15-08:30	Interindividual variability of membrane transporter protein expression in the liver	Anne Nies (Stuttgart)
08:30-08:45	Comparative studies on the expression and function of pharmacokinetically relevant factors in different cell types of the liver	Christy Joseph (Greifswald)
08:45-09:00	Role of transporters for organic cations on the <i>in vitro</i> uptake and <i>in vivo</i> pharmacokinetics of gabapentin and cetirizine	Ana Carolina Conchon Costa (Münster)
	Short break	
09:20-10:05	Membrane transporters, drug toxicity, and toxicology (chair:)	
09:20-09:35	Role of transporters in platinum-induced ototoxicity	Oliver Zolk (Ulm)
09:35-09:50	Role of organic cation transporters in chronic toxicities of cisplatin	Vivien Barz (Münster)

09:50-10:05	Functional comparison of hNTCP and mNtcp in transport characteristics and the inhibition potency of selected drugs and pesticides	Saskia Floerl (Göttingen)
10:05-10:35	Coffee break	
10:40-11:55	Structure-function relationships of membrane transporters (chairs:)	
10:40-11:25	Rat Organic Cation Transporter 1 Contains Three Substrate Binding Sites per Monomer	Hermann Koepsell (Würzburg)
11:25-11:40	Looking for the mechanism of aspartate ₄₇₄ -independent transport in mouse Organic Cation Transporter 1	Marleen Meyer (Greifswald)
11:40-11:55	The human SLC1A5 amino acid transporter: structure/function relationships and regulatory aspects	Mariafrancesca Scalise (Arcavacata di Rende, Italy)
11:55-12:55	Lunch	
13:00-14:15	Regulation, folding, and subcellular localization of membrane transporters and channels (chairs:)	
13:00-13:15	Transcriptional regulation of the MRP4 (ABCC4) transporter	Gabriele Jedlitschky (Greifswald)
13:15-13:30	Is epithelial cell polarity required for solute carrier expression and localization?	Carmen Berghaus (Münster)
13:30-13:45	Relevance of a C-proximal amino acids for the localization of OATP2B1	Markus Grube (Greifswald)
13:45-14:00	miR-206 modulates the hepatic expression of the organic anion transporting polypeptide 1B1 (OATP1B1, SLCO1B1)	Michele Visentin (Zürich, Switzerland)
14:00-14:15	Alternative delta19 exon skipping leads to non-functional mdr1 P-glycoprotein expression in dogs	Joachim Geyer (Giessen)
14:15-14:45	Coffee break	
14:45-16:15	Physiological and pathophysiological role of membrane transporters and channels (chairs:)	
14:45-15:15	<i>To be announced</i>	Markus Munder (Mainz)
15:15-15:30	Inhibition of hCAT-1-mediated arginine transport: A novel approach for chronic lymphocytic leukemia (CLL) therapy?	Anke Werner (Mainz)
15:30-15:45	Involvement of the CFTR-regulatory ion channel Slc26a9 in pancreatic exocrine and endocrine function	Ursula Seidler (Hannover)
15:45-16:00	Activation of glycoprotein IIb/IIIa is reduced by specific inhibition of MRP4/ABCC4 in human platelets	Robert Wolf (Greifswald)
16:00-16:15	OCT1 as efflux transporter of acylcarnitines: Is all that glitters gold?	Ole Jensen (Göttingen)
16:20-17:20	Ask the experts	
18:00-open end	Social evening	

Sunday September 9th

Time:	Title of the talk:	Presented by:
08:00-08:45	<i>To be announced</i>	Eric Geertsma (Frankfurt)
08:45-09:30 Intestinal transporters and channels (chairs:)		
08:45-09:00	GLP-2 support promotes the tight junction gate function in the short bowel jejunum in mice	Johannes Reiner (Rostock)
09:00-09:15	Functional characterization of sodium hydrogen exchangers NHE2 and NHE8 in the differentiated intestinal epithelial cell line Caco-2Bbe	Zhou Kunyan (Hannover)
09:15-09:30	Expression and regulation of metabolizing enzymes and transporter proteins in intestinal cell lines	Anja Fritz (Greifswald)
09:30-09:45	Concluding remarks and farewell	Giuliano Ciarimboli and Mladen Tzvetkov