

Welcome to the Researcher's Day 2023!

Monday, July 03, 2023

Welcome

- From 15:00 (CEST) **Arrival, Hotel rooms are available**
- about 16:00 *Walk in the near surroundings*
- 18:00 – 19:00 **Registration + mounting the posters**
- 19:00 – 20:00 **Snacks & Drinks**
- 20:00 – 20:15 **Addresses of Welcome**
Prof. Dr. Alfred Blume (President PRC)
PD Dr. habil. Simon Drescher (Managing Director PRC)
- 20:15 – 21:00 **Invited lecture: Integrating genes, synthetic biology and artificial intelligence (AI) in design of liposome**
Prof. Dr. Avi Schroeder – Technion – Israel Institute of Technology, Haifa/Israel
- Open End **Get together**

Tuesday, July 04, 2023

Session 1 Formulation of phospholipid-based nanocarriers

Chair: Professor Dr. Alfred Blume

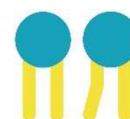
- 8:30 – 9:15 (CEST) **Invited lecture: New nanocarriers containing a phospholipid-bilayer core**
Prof. Dr. Sandro Keller – University of Graz/Austria
- 9:15 – 9:30 **mRNA-loaded lipid self-assembling nanoparticles as novel vaccine formulations**
[online](#) Dr. Valeria Nele – University of Naples Federico II/Italy
- 9:30 – 9:45 **Improving nano-particulate carriers for oral drug delivery using archaeal tetraether lipids from novel sources**
Prof. Dr. Alexander Treusch – University of Southern Denmark, Odense/Denmark
- 9:45 – 10:00 **Developing lipid-based biodegradable photothermal agents for cancer therapy**
Dr. Cristian Reboredo Fuentes – Queen's University Belfast/UK
- 10:00 – 11:00 **Coffee Break and Poster Session**



Session 2 Therapeutic applications of phospholipids and phospholipid-based nanocarriers

Chair: Dr. Peter Hölig

- 11:00 – 11:15 **"Tail-flipping" liposomes to target tumor-associated macrophages and stimulate tumor immunity**
[online](#) Prof. Dr. Jai Prakash – University of Twente/The Netherlands
- 11:15 – 11:30 **Phospholipid nanoparticles for lipase deficiency gene replacement therapy**
Prof. Dr. Davide Brambilla – Université Montreal/Canada
- 11:30 – 11:45 **Liposomal formulations of resistance breaking vancomycin derivatives**
Julia Werner – University of Heidelberg/Germany
- 11:45 – 12:00 **Metabolic reprogramming of macrophages using 4-octyl itaconate liposomes ameliorates western diet-induced non-alcoholic steatohepatitis by regulating mitochondrial metabolism**
[online](#) Dr. Amit Khurana – University of Twente/The Netherlands
- 12:00 – 12:15 **Increasing tumor permeability with photo- and radiotherapy-responsive liposomes**
Nazareth Carigga Gutierrez – Grenoble-Alpes University/France
- 12:15 – 14:00 **Lunch and Poster Session**



Session 3 Interactions of phospholipids and phospholipid-based vesicles in biological environment & analytical platforms

Chair: Professor Dr. Judith Kuntsche

- 14:00 – 14:15 **Microfluidic system for liposome handling and compound testing**
Janina Nandy – Forschungszentrum Borstel/Germany
- 14:15 – 14:30 **How time-resolved fluorescent methods can help us understand the fate of drug-delivery systems in vivo**
Iulia Carabadjac – University of Freiburg/Germany
- 14:30 – 14:45 **Transfer kinetics of cargo items among mobile nanocarriers**
online MD Faruk Hossain – North Dakota State University, Fargo/USA
- 14:45 – 15:00 **Phototoxicity assays and stability assessment of phospholipid-based formulations for dermal application**
Katja Steiner – University of Vienna/Austria
- 15:00 – 15:15 **In vitro test strategy to evaluate bioaccessibility of vitamin D3 entrapped in phospholipid-based nanocarriers/liposomes for oral delivery**
online Dr. Meike van der Zande – Wageningen University & Research/the Netherlands
- 15:15 – 15:30 **Prevention of hemolysis during the i.v. application of LysoPC**
Rebecca Vieth – University of Heidelberg/Germany
- 15:30 – 16:30 **Coffee Break and Poster Session**



Session 4 Phospholipids as excipients in oral and parenteral dosage forms

Chair: PD Dr. Peter van Hoogevest

- 16:30 – 16:45 **Solid dispersions of fenofibrate in polymer/phospholipid matrix manufactured by hot-melt extrusion: preformulation and characterization**
Mikolaj Czajkowski – Poznan University of Medical Sciences/Poland
- 16:45 – 17:00 **Sustained reduction of parasitemia by Phospholipon® 90H-based novel lipid tablets containing artemether-lumefantrine and A. indica extract**
online Prof. Dr. Anthony Attama – University of Nigeria, Nsukka/Nigeria
- 17:00 – 17:15 **Co-amorphous drug-lecithin systems – bridging the gap between amorphous solid dispersions and lipid-based drug delivery**
Prof. Dr. Thomas Rades – University of Copenhagen/Denmark
- 17:15 – 17:30 **Enabling oral delivery of peptides by designing phospholipid complexes for self-emulsifying drug delivery systems**
Prof. Dr. Anette Müllertz – University of Copenhagen/Denmark
- 17:30 **Poster Prize & Closing Remarks**
- 17:45 **Group Photo**
- 19:00 **Dinner**
- Open End **Poster Session and Drinks**



Wednesday, July 05, 2023

Departure

Have a safe journey home!