

## Monday, September 09, 2024 – Day 1

### Welcome

- 9:00 – 10:15 (CEST) **Registration, mounting of posters**  
**First coffee then science**
- 10:15 – 10:30 **Addresses of Welcome**  
Professor Dr. Alfred Blume (President PRC)  
Dr. Herbert Rebmann (Honorary President PRC / Lipoid GmbH)  
PD Dr. habil. Simon Drescher (Managing Director PRC)

### Session 1: Gene Delivery meets Lipid Nanoparticles and Liposomes

Chair:

- 10:30 – 11:00 **The gene therapy boom: from viral vectors and cell targeting to lipid nanoparticles**  
Prof. Dr. Christian Buchholz – Paul-Ehrlich-Institut (Federal Institute for Vaccines and Biomedicines)/Germany
- 11:00 – 11:30 **Extracellular vesicle-inspired carriers for therapeutic RNA delivery**  
Prof. Dr. Pieter Vader – University Medical Center Utrecht/The Netherlands
- 11:30 – 12:00 **Targeting of LNPs and liposomes to myeloid cells for development of highly efficacious therapeutics and vaccines against difficult to treat infectious diseases**  
Dr. Daryl Drummond – Akagera Medicines, Inc./USA
- 12:00 – 14:00 **Lunch Break**  
**Poster Session and Industrial Exhibition**



### Session 2: Anisotropic Delivery Systems | Flash Talks

Chair:

- 14:00 – 14:30 **Phospholipid-based anisotropic drug delivery systems**  
Prof. Dr. Vincent Faivre – University Paris-Saclay/France
- 14:30 – 15:00 **Poster Flash Talks (6–8 × 3 min, *selected from abstracts*)**
- 15:00 – 15:30 **tba**  
Prof. Dr. János Szebeni – Semmelweis University, Budapest/Hungary
- 15:30 – 16:30 **Coffee Break**  
**Poster Session and Industrial Exhibition**



## Session 3: Tetraether lipids (TELs)

Chair:

- 16:30 – 16:55 (CEST) **Archaea: weird microorganisms with wonderful lipids**  
Prof. Dr. Alexander Treusch – University of Southern Denmark, Odense/Denmark
- 16:55 – 17:15 **How to boost LNP performance with tetraether lipids**  
Dr. David Wurm – NovoArc GmbH, Vienna/Austria
- 17:15 – 17:40 **Archaeal tetraether lipids as oral mRNA vaccination platform**  
Prof. Dr. Dagmar Fischer – University Nuremberg/Germany
- 17:40 – 18:00 **Tetraether lipid liposomes for oral peptide delivery**  
JunProf. Dr. Philipp Uhl – Heidelberg University/Germany
- 18:00 – 18:20 **Synthetic alternatives to natural tetraether lipids – chance or illusion?**  
PD Dr. habil. Simon Drescher – Phospholipid Research Center Heidelberg/Germany
- 18:30 **Come Together – Networking Buffett  
Poster Session and Industrial Exhibition**

End of Day 1



## Tuesday, September 10, 2024 – Day 2

### Session 4:

Chair:

- 8:30 – 9:00 (CEST) **Publication Ethics 2.0 – GenAI in scholarly publishing**  
Dr. Christine Mayer – Wiley/Germany
- 9:00 – 9:15 **tba** (short talk *selected from abstracts*)
- 9:15 – 9:30 **tba** (short talk *selected from abstracts*)
- 9:30 – 10:00 **Cardiolipin-containing liposomes for intracellular drug delivery**  
Prof. Dr. Shiqi Wang – University of Helsinki/Finland
- 10:00 – 11:00 **Coffee Break**  
**Poster Session and Industrial Exhibition**



### Session 5:

Chair:

- 11:00 – 11:30 **Lyso-phosphatidylcholine as surfactant alternative for biologics formulation**  
Prof. Dr. Wolfgang Frieß – Ludwig-Maximilians-Universität Munich/Germany
- 11:30 – 11:45 **tba** (short talk *selected from abstracts*)
- 11:45 – 12:00 **tba** (short talk *selected from abstracts*)
- 12:00 – 12:15 **tba** (tech spotlight)  
apl Prof. Dr. Ulrich Massing – University Freiburg/Germany
- 12:15 – 12:30 **tba** (tech spotlight)
- 12:30 – 14:00 **Lunch Break**  
**Poster Session and Industrial Exhibition**



## Session 6:

Chair:

- 14:00 – 14:30 (CEST) **Phospholipid-based self-dispersing formulations**  
Prof. Dr. Heike Bunjes – Technical University Braunschweig/Germany
- 14:30 – 14:45 **tba** (short talk *selected from abstracts*)
- 14:45 – 15:00 **tba** (short talk *selected from abstracts*)
- 15:00 – 15:30 **Researches and development on multifunctional lipopeptides as excipients**  
Prof. Dr. Jiasheng (Jason) Tu – China Pharmaceutical University, Nanjing/China

## Award Ceremony – Thudichum Life Award

Chair:

- 15:30 – 16:15 **Lecture of the Thudichum Life Award Winner**
- 16:15 **Group Photo**
- 16:15 – 17:00 **Coffee Break**  
**Poster Session and Industrial Exhibition**
- 17:00 **Bus tour to the harbor**
- 18:00 – 22:00 **Ship tour on the Neckar from Heidelberg to Neckarstein and back, Dinner**  
*Deepen the connections with other phospholipid enthusiasts.*
- 22:30 **Bus tour back**



## End of Day 2

## Wednesday, September 11, 2024 – Day 3

### Session 7:

Chair:

- 8:30 – 9:00 (CEST) **Shedding light on the use of phospholipids to reduce the burden of chronic liver disease**  
Prof. Dr. Paola Luciani – University of Bern/Switzerland
- 9:00 – 9:30 **Photo-induced destruction of vitreous opacities using nanobubbles generating liposomes**  
Prof. Dr. Félix Sauvage – Ghent University/Belgium
- 9:30 – 10:00 **Light-activated drug release from liposome-hydrogel systems**  
Prof. Dr. Timo Laaksonen – University of Helsinki/Finland
- 10:00 – 11:00 **Coffee Break**  
**Poster Session and Industrial Exhibition**



### Award Ceremony – Thudichum Young Scientist Award and Prizes

Chair:

- 11:00 – 11:30 **Prizes for Best Short Talk, Best Flash Talk, and Best Poster Book Prize donated by Wiley—Advanced Therapeutics**
- 11:30 – 12:00 **Lecture of the Thudichum Young Scientist Award Winner**
- 12:00 **Concluding Remarks**
- 12:15 **Packed Lunches & Departure**



**End of Symposium**

## 8<sup>th</sup> International Symposium on Phospholipids in Pharmaceutical Research

