

Welcome to the Researcher's Day 2025!

Scientific Program

Monday, July 07, 2025

Welcome

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| From 15:00
(CEST) | Arrival, Hotel rooms are available |
| 15:00 – 18:00 | Members' Meeting
<i>Soirée Wine & Chocolate (PRC members only)</i> |
| 18:00 – 19:00 | Registration + Mounting the Posters |
| 19:00 – 20:00 | Get together (Finger food and Drinks) |
| 20:00 – 20:15 | Addresses of Welcome
Alfred Blume (President PRC)
Simon Drescher (Managing Director PRC) |
| 20:15 – 21:00 | Invited lecture: Phospholipids in Action – Engineering Better Drug Delivery and Vaccine Systems
Yvonne Perrie – University of Strathclyde, Glasgow/UK |
| Open End | Nightcap (Drinks only) |

Scientific Program

Tuesday, July 08, 2025

Session 1 Oral Applications of Phospholipids

Chair: Simon Drescher

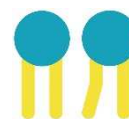
- 8:30 – 8:45 (CEST) **Introduction**
Simon Drescher – Phospholipid Research Center, Heidelberg/Germany
- 8:45 – 9:15 **Untangling the role of various "dissolved" drug species arising from phospholipid-based oral formulations**
Martin Brandl | Felix Paulus – University of Southern Denmark, Odense/Denmark
- 9:15 – 9:45 **Phospholipids as excipients of hot-melt extruded formulations of poorly soluble drugs**
Paulina Skupin-Mrugalska | Mikolaj Czajkowski – Poznan University of Medical Sciences, Poznan/Poland
- 9:45 – 10:45 **Coffee Break and Poster Session**



Session 2 Analytics, Diagnostics & Novel Aggregates including Phospholipids

Chair: Alfred Blume

- 10:45 – 11:10 **Establishing a Fundamental Understanding of the Fate of Mixed Micellar Formulations after Intravenous Administration**
Heiko Heerklotz | Jan Lembeck | Melissa Lehnert – University of Freiburg/Germany
- 11:10 – 11:35 **Liposome-based microfluidic platform for standardized analysis of antimicrobial peptides**
Christian Nehls | Janina Nandy – Research Center Borstel/Germany
- 11:35 – 12:00 **Liposomal hydrogel for hydrogen peroxide sensing in chronic wounds**
Simon Matoori – University Montréal/Canada | Aristidis Veves – Beth Israel Deaconess Medical Center, a Harvard Medical School Teaching Hospital, USA
- 12:00 – 12:25 **Phospholipid-based anisotropic nanoscale dispersions: development towards parenteral administration**
Vincent Faivre | Do Nhu Trang Nguyen – Paris-Saclay University/France
- 12:25 – 14:00 **Lunch**



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Session 3 Parenteral Applications of Phospholipids

Chair: Gert Storm

- 14:00 – 14:25 **Engineering Lipid Self-Assembling Nanoparticles as Novel mRNA-based Vaccine Platforms**
Giuseppe De Rosa | Valeria Nele – University of Naples Federico II, Naples/Italy
- 14:25 – 14:50 **Receptor-targeted lipid nanoparticles for RNA delivery selectively into T lymphocytes**
Christian Buchholz | Samuel Theuerkauf – Paul-Ehrlich-Institut, Langen/Germany
- 14:50 – 15:15 **Reprogramming metastasis-associated macrophages using engineered liposomes to diminish lung metastasis**
Jai Prakash | Kunal Pednekar – University of Twente, Enschede/The Netherlands
- 15:15 – 15:40 **Advancing the treatment of *Staphylococcus aureus* infections with rifabutin-loaded liposomes – *in vitro* and *in vivo* studies**
Maria Manuela Gaspar | Mariana Coelho – University of Lisbon/Portugal
- 15:40 – 16:30 **Coffee Break and Poster Session**



Session 4 Vitreal and Topical Applications of Phospholipids & The Use of Lysolipids

Chair: Peter van Hoogevest

- 16:30 – 16:55 **Exploring lipid-stabilized ICG nanoaggregates for VNB-mediated eye floater photodisruption**
Stefaan De Smedt | Félix Sauvage | Pouria Ramezani – University of Ghent/Belgium
- 16:55 – 17:20 **Formulation of LNP encapsulating micro-RNA for topical treatment of high-grade squamous intraepithelial lesions (HSIL) lesion**
Mohamadreza Amin – Erasmus University Medical Center, Rotterdam/The Netherlands
- 17:20 – 17:45 **Stabilization of lysophosphatidylcholine-levels in patients with cancer**
Ulrich Massing – University of Freiburg/Germany | Rebecca Vieth and Gert Fricker – University of Heidelberg/Germany
- 17:45 – 18:10 **Spray-Drying of Proteins – Stabilization by Monoacyl-Phospholipids**
Wolfgang Frieß | Eleni Papadopoulos – Ludwig Maximilians University Munich/Germany
- 18:10 **Closing Remarks**
- 19:00 **Dinner**
- Open End **Drinks**



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Wednesday, July 09, 2025

Departure

Recap your impressions and insights over a wonderful breakfast.

Have a safe journey home!