



LUDWIG-  
MAXIMILIANS-  
UNIVERSITÄT  
MÜNCHEN

# GRK 2338 INTERNATIONAL SYMPOSIUM

22-23 JULY  
2024

Venue: Walther-Straub Hörsaal  
Schillerstraße 53, 80336 Munich

**Monday, 22.07.2024**

10:00 – 10:15 **Prof. Dr. Thomas Gudermann**

*“Welcome”*

**Session 1:** Chair: Leonor Correia & Jahongir Nabiev

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10:15 – 11:15 **Prof. Dr. Olivia Merkel**

Shaping the future of inhaled RNA therapeutics

11:20 – 12:20 **Prof. Dr. Arthur Neuberger**

TRP channels in human health & disease

12:20 – 13:20 --- *Lunch* ---

13:20 – 13:40 **Gonxhe Lokaj – P01**

Generation and characterization of functional insect nAChRs chimeras

13:45 – 14:05 **Fee Göllitz – P02**

Chillin' out: Optimizing long-term cold storage of hPCLS with preservation solutions

14:10 – 14:30 **Helena Sieber – P03**

Mercaptans in malodorants break disulfide-bridges in human serum albumin and form adducts suitable as biomarkers of exposure in vitro

14:35 – 14:55 **Lena Schaller – P04**

TRP channels mediate alveolar barrier integrity through ADAM10-driven cadherin cleavage

15:00 – 15:30 --- *Coffee* ---

15:30 - 15:50 **Aakruti Nayak – P05**

Oxygen Therapy as a Driver of Endothelial-to-Mesenchymal Transition in Lung Fibrosis

15:55 – 16:15 **Ahmed Hassan – P06**

Identification and functional analysis of gene regulatory networks in human lung fibrogenesis

--- *End of Day 1* ---

# Research Training Group 2338 – Targets in Toxicology



Tuesday, 23.07.2024

**Session 2:** Chair: Jianlong Jia

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- 10:00 – 10:20 **Marie Zöller – P07**  
Tabacco smoke induced transient and persistent proteome changes in the human lung
- 10:25 – 10:45 **Eva-Maria Weiden – P08**  
Role of TRPML1 in chronic toxic lung disease
- 10:45 – 11:05 --- Coffee ---
- 11:05 - 11:25 **Tatiana Abikeeva – P09**  
Targeted RNA delivery to treat inflammation-related pulmonary fibrosis
- 11:30 - 11:50 **Leonor Correia – P10**  
Role of TRPM6 and TRPM7 channels in the uptake of physiological and toxic divalent cations in ATII cells
- 11:55 - 12:15 **Jianlong Jia – P11**  
Identification of The Cell(s) of Origin of Squamous Cell Lung Carcinoma (LUSC)
- 12:20 – 12:40 **Jahongir Nabiev – P12**  
Development of novel cGAMP analogues for efficient STING activation
- 12:45 – 13:00 **Prof. Dr. Thomas Gudermann**  
*Announcement of the winner of the Young Investigator Merit Award 2024*
- 13:00 - 14:00 --- Lunch ---
- End of Day 2 ---