

TANDEM Fall Meeting, 13 October 2022



UNIVERSITÄT
DES
SAARLANDES

HIPS

TANDEM

HS anatomy, Building 61,
Universitätsklinikum des Saarlandes, Homburg

09:00-09:15 Welcome (*Claus-Michael Lehr, Markus Meyer*)

09:15 Scientific Session 1 (*each talk 10 min presentation + 5 min open discussion*)

*moderated by **Ahmad Aljohmani***

09:15 – 09:30

"Biodynamers functionalized with cell-penetrating peptides as tools to permeabilize Gram-negative Bacteria", Mohamed Kamal, Claus-Michael Lehr, Sangeun Lee, Brigitta Loretz.

09:30 – 09:45

"De novo sequencing of bacterial signal peptides activating formyl peptide receptors", Christoph Porten, Rolf Müller, Markus Bischoff

09:45 – 10:00

"Dual effect of Calcium Peroxide nanoparticles effective in reducing dose of Tobramycin Sulphate in treatment of *Pseudomonas aeruginosa* biofilm", Neha Bankar, Claus-Michael Lehr, Brigitta Loretz

10:00 Scientific Session 2 (*each talk 10 min presentation + 5 min open discussion*)

*moderated by **Jacqueline Rehner***

10:00 – 10:15

"3D-Bioprinting of bacterial biofilm on monolayer of human lung cells as an advanced in vitro model for chronic lung infections", Aghiad Bali, Claus-Michael Lehr, Robert Bals

10:15 – 10:30

"Improving migration of human T lymphocytes with microtubules-targeting drugs", Galia Magela Montalvo Bereau, Franziska Lautenschläger, Bin Qu

10:30 – 10:45

"ADAM10 and ADAM17 in leukocytes regulate the severity of *Pseudomonas aeruginosa* induced lung pneumonia", Ahmad Aljohmani, Daniela Yildiz, Volkhard Helms

10:45 – 11:15 Coffee break

11:15 – 12:00 Invited Guest Speaker: "From molecule to therapy in pneumonia", Univ.-Prof. Dr. med. Martin Witzernath, Charité - Universitätsmedizin Berlin. (35 min presentation+10 min discussion).

12:00 – 12:30 Update TANDEM and TALENTS Graduate School (*Claus-Michael Lehr, Brigitta Loretz*)

12:30 – 13:15 Lunch