

# SFB1009 – RETREAT

12<sup>th</sup> – 13<sup>th</sup> May 2022

Hotel Schnitterhof, Salzstraße 5, 59505 Bad Sassendorf

## Thursday, 12th May 2022

- 08:00 Bus departure in Münster
- 09:45 **Johannes Roth**  
Welcome note
- 10:00 A01 – **Sarthak Mishra**  
The role of VE-PTP in Schlemms canal function
- 10:30 A02 – **Adán Olguin**  
Mechanical and biochemical signals from the endothelial basement membrane that affect leukocyte extravasation
- 11:00 Coffee break**
- 11:30 A03 – **Luisa Klotz**  
Enhanced pathogenicity of Th17 cells due to natalizumab treatment-implications for MS disease rebound
- 12:00 A04 – **Christian Klämbt**  
Invasion of macrophages into the Drosophila brain
- 12:30 A05 – **Marina Kardell**  
The role of intracellular calcium regulators in integrin activation and leukocyte recruitment
- 13:00 Lunch break**
- 14:00 A06 – **Ursula Rescher**  
*tba*
- 14:30 A09 – **Stephan Niland**  
Interplay of cell adhesion and matrix proteolysis in barrier breaking invadopodia of tumor cells
- 15:00 A 10 – **Emily Watson**  
The role of Yin Yang 1 in bone vasculature
- 15:30 Coffee break**
- 16:00 A12 – **Cindy Ulloa Guerrero**  
Interactions of Macrophages with Endothelial cells
- 16:30 A13 – **Alexander Tönges**  
Endothelial ZIP codes as means for organ specific drug delivery
- 17:00 B04 – **Alexander Kehl**  
The bacterial secreted combinome: Synergistic host injury by exotoxins of enterohemorrhagic *Escherichia coli*
- 17:30 B07 - **Nadine Mykicky**  
RANK/RANKL signaling in skin homeostasis and epidermal barrier function

## Friday, 13th May 2022

- 09:00 B02 - **Jasmin Jacob**  
The MEK inhibitor ATR-002 as a potential anti-bacterial compound in IAV and *S. pneumoniae* superinfection
- 09:30 B13 **Stephan Ludwig**  
The MEK inhibitor ATR-002 efficiently blocks SARS-CoV-2 propagation, acts synergistic with licensed antivirals and alleviates pro-inflammatory cytokine responses
- 10:00 B05 – **Krishnendu Mukherjee**  
Chromatin remodeling in the context of host response to bacterial infections
- 10:30 B08 - **Jonas Petersen**  
Analysis of the S100A9-N70A mutation in mice
- 11:00 Coffee break**
- 11:30 B09 – **Judith Austermann**  
Chromatin remodeling in immune tolerance of monocytes
- 12:00 B10 – **Felix Uecker**  
Substrate-inhibition of the formin INF2 - pathological consequences of a failed break
- 12:30 B11 - **Kerstin Steinbrink**  
Impact of innate immune signals on hapten-specific immune responses
- 13:00 Lunch break (plus coffee)**
- 14.00 B03 - **Christian Rüter**  
Modulation of signaling responses in cellular barriers by cell-penetrating bacterial effector proteins
- 14:30 **B12 - Petra Dersch**  
*tba*
- 15:00 **Johannes Roth**  
Future projects / Final remarks / Conclusion
- 15:45 Departure

