December 7, 2017

09:00 – 09:15 Welcome by **Prof. Axel Pries**, Dean of the Charité – Universitätsmedizin Berlin
09:15 – 09:30 Introduction by **Prof. Jörg Schulzke**, Coordinator of the GRK 2318

*Chair:* Dorothee Günzel

09:30 – 10:30 **Plenary lecture by Prof. Mikio Furuse**, Okazaki, Japan

10:30 – 11:00 Coffee break

*Chair:* Martin Lehmann

11:00 – 11:20 **Roman Mannweiler:** Impedance spectroscopy of epithelial barrier properties
11:20 – 11:40 **Laura-Sophie Beier:** Structure-based modification of CPE to target claudins
11:40 – 12:00 **Carlos Ayala-Torres:** Claudin- and TAMP-mediated water transport
12:00 – 12:20 **Hannes Gonschior:** High- and super-resolution imaging of TJ components
12:20 – 13:00 **Prof. Markus Bleich**, Kiel, Germany (*Chair:* Carlos Ayala-Torres)

13:00 – 14:00 Lunch break

*Chair:* Dominik Müller

14:00 – 14:20 **Izabela Kowalczyk:** Neuroepithelial barrier function in brain development
14:20 – 14:40 **Danielle Cardoso da Silva:** Tracking a primary barrier defect in celiac disease
14:40 – 15:00 **Murat Seker:** The magnesiome, an integrative view of magnesium regulation
15:00 – 15:20 **Janna Leiz:** Transcriptional integration of TJ assembly in renal epithelial cells

– part 1
15:20 – 15:40 **Alexander Holler:** Transcriptional integration of TJ assembly in renal epithelial cells

– part 2

15:40 – 16:10 Coffee break

*Chairs:* Susanne Krug, Roland Bücker

16:10 – 16:30 **Praveen Nattramularasu:** Toxin effects on paracellular intestinal barrier function
16:30 – 16:50 **Fábio Lobo de Sá:** Intestinal barrier protection in *Campylobacter* infection
16:50 – 17:10 **Jiachen Hu:** Role of the tricellular TJ in inflammatory bowel diseases (IBD)
17:10 – 17:30 **Deborah Delbue da Silva:** Epithelial dyspolarity in chronic intestinal inflammation
17:30 – 17:50 **Carolin Grünhagen:** Macromolecule uptake across the mucosa in HIV infection

18:30 – 22:00 Dinner
December 8, 2017

09:00 – 09:40     Prof. Maria Balda, London, UK *(Chair: Laura-Sophie Beier)*
09:40 – 10:30     Election of the Steering Committee

10:30 – 11:00     Coffee break

     Chair: Jörg Piontek

11:00 – 11:20     Yesim Yurtdas: The role of Grhl2 in polycystic kidney disease
11:20 – 11:40     Lorena Suarez: The interactome of claudins in a renal epithelial cell line
11:40 – 12:40     Prof. Michael Fromm: Good (and bad) scientific practice

12:40 – 14:00     Lunch break

     (12:40 – 13:00 Inaugural meeting of the Steering Committee in Meitner Saal)

14:00 – 15:30     Daniel Unsöld: Interactive lecture: Presence and body language in the workplace
15:30 – 16:00     Prof. Dorothee Günzel: Trans- and paracellular transport coupling
16:00 – 16:30     Coffee break