

DFG Research Training Group "TJ-Train", GRK 2318
Tight junctions and their proteins:
molecular features and actions in health and disease



Tight Junction Day: July 10, 2018, 2:00 – 7:00 p.m.

Charité – Universitätsmedizin Berlin, Campus Benjamin Franklin, EG, Kursraum 1

Chair: **Dorothee Günzel**

2:00 – 2:10 p.m. Welcome by **Jörg Schulzke**

2:10 – 2:40 p.m. **Michael Fromm** *Pathways for water in epithelia*

2:40 – 3:10 p.m. **Jan Richter** *Leak pathway revisited: using local resolution in barrierology*

3:10 – 3:40 p.m. **Michael Hummel** *Next generation sequencing*

3:40 – 4:10 p.m. **Christian Spahn** *Three-dimensional cryo-electron microscopy of macromolecular assemblies and machines*

4:10 – 4:30 Coffee break

Chair: **Jörg Schulzke**

4:30 – 5:00 p.m. **Annabel Christ** *Neuroepithelial receptor LRP2 controls embryonic development*

5:00 – 5:30 p.m. **Heike Rittner** *Neuronal barrier regulation in the pain pathway*

5:30 – 6:00 p.m. **Susanne Krug** *Interplay of the impaired TJ and the subjacent immune cells in IBD*

6:00 – 6:30 p.m. **Hans-Jörg Eppele** *HIV infection and mucosal barrier*

6:30 – 7:00 p.m. **Christian Bojarski** *From bedside to bench – acquisition of human gastrointestinal biopsies for experimental research groups*

Get together: Restaurant La Malga, across the street, Hindenburgdamm 96