

**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, 14:00 – 19:00***

**Charité – Universitätsmedizin Berlin, Campus Benjamin Franklin, EG, Kursraum 5**

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Chair: **Dorothee Günzel**

14:00 – 14:10 Welcome by **Jörg Schulzke**

14:10 – 14:40 **Michael Fromm** *Pathways for water in epithelia*

14:40 – 15:10 **Jan Richter** *Leak pathway revisited: using local resolution in barrierology*

15:10 – 15:40 **Michael Hummel** *Next generation sequencing*

15:40 – 16:10 **Christian Spahn** *Three-dimensional cryo-electron microscopy of macromolecular assemblies and machines*

16:10 – 16:30 Coffee break

Chair: **Jörg Schulzke**

16:30 – 17:00 **Annabel Christ** *Neuroepithelial receptor LRP2 controls embryonic development*

17:00 – 17:30 **Heike Rittner** *Neuronal barrier regulation in the pain pathway*

17:30 – 18:00 **Susanne Krug** *Interplay of the impaired TJ and the subjacent immune cells in IBD*

18:00 – 18:30 **Hans-Jörg Epple** *HIV infection and mucosal barrier*

18:30 – 19:00 **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**