



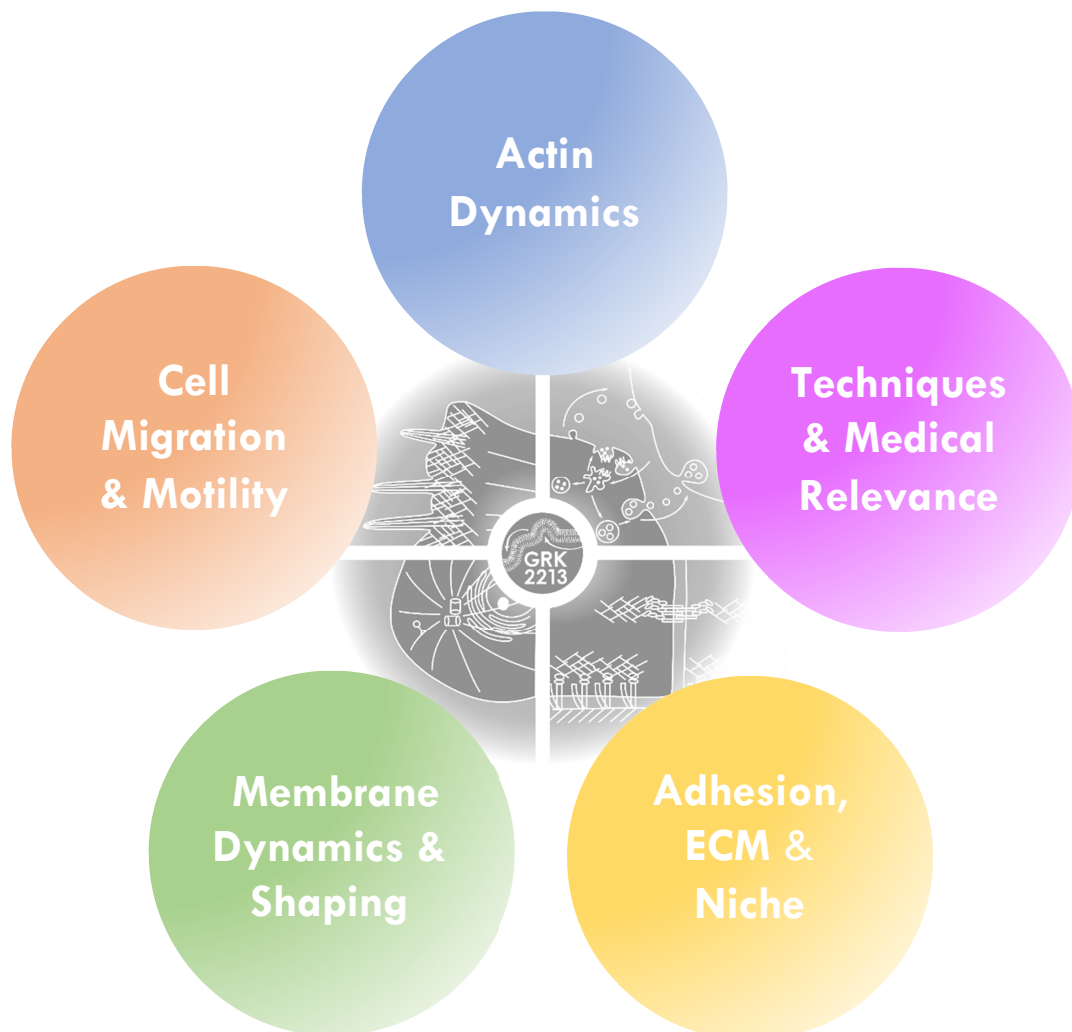
International PhD Symposium

GRK 2213: Membrane Plasticity in Tissue Development and Remodeling

April 2–4, 2019 in Marburg, Germany

Schedule





Day 1 (Fürstensaal, Marburg castle)

6:30 pm	Welcome & Registration
6:45 pm	Opening remarks
7:00 pm	Keynote lecture by Reinhard Jahn: Exocytosis of synaptic vesicles
8:00 pm	Speakers' Dinner at the Fürstensaal

Day 2 (Hörsaalgebäude; Biegenstraße 14)

9:00 am Welcome & Registration

Session: Cell Migration & Motility

Student Chair: *Christel Jessica Moussi*

9:15 am **Christian Klämbt:** Divide and conquer: How glia separates and unites neurons in the fly brain

10:00 am **Daria Siekhaus:** Decreasing tension and increasing sweetness aids tissue invasion

10:45 am **Matthias Schaks:** WAVE Regulatory Complex – from basic regulation to neurodevelopmental diseases.

11:00 am **Maik Bischoff:** Regulators of the migration of *Drosophila* testis nascent myotubes

11:15 am Coffee break

Session: Adhesion, ECM & Niche

Student Chair: *Maik Bischoff*

11:45 am **Sara Wickström:** Regulation of stem cell fate by niche signals and forces

12:30 pm **Silvana Hof:** Cell competition and innate immune signaling in the *Drosophila* testis niche

12:45 pm Lunch break

1:45 pm **Dietmar Vestweber:** Regulation of endothelial junctions in inflammation

2:30 pm **Uwe Töpfer:** Transcriptional regulation and tissue-specific expression of Laminin B1 and B2 depends on dGATAb/Serpent



Schedule

2:45 pm **Chen Jiang:** Semaphorin-Plexin signaling controls epidermal homeostasis and stem cell fate

3:00 pm Coffee break, “**Meet Reinhard Jahn**” ¹

Session: *Membrane Dynamics & Shaping*

Student Chair: Nqobizitha Raymond Thata

4:00 pm **Monica Sousa:** How to control axon diameter: the role of the membrane periodic skeleton

4:45 pm **Anna Ziegler:** Regulation of neuronal lipid production and its effects on morphology and function

5:00 pm **Marlen Breuer:** Caveolin 1 α is required for *Xenopus* muscle- and neuronal integrity

5:15 pm **Hamze Beati:** Regulation of epithelial polarity by the nucleo/cytocortical ratio of the RhoGEF Pebble in *Drosophila*

5:30 pm **Camilla Autorino:** Evolution of germband extension patterning in flies

5:45 pm **Poster session** and finger food

open end

Day 3 (Hörsaalgebäude; Biegenstraße 14)

9:00 am Welcome & Registration

Session: *Actin Dynamics*

Student Chair: *Felix Schneider*

9:15 am **Pekka Lappalainen:** Regulation of actin filament disassembly in animal cells

10:00 am **Klemens Rottner:** Consequences of WAVE Regulatory Complex (WRC) loss of function in mammalian cell models

10:45 am **Laura Soto Hinojosa:** MRTF/SRF transcription promotes Ezrin-dependent bleb-associated entotic invasion

11:00 am **Anne Beer:** The role of the actin nucleator Cobl in the intestinal brush border formation

11:15 am Coffee break

11:45 am **James Bear:** Regulating the cytoskeleton to achieve directed migration

12:30 pm **Katharina Grikscheit:** Ebola virus nucleocapsid-like structures induce actin tails for intracellular transport downstream of Rac1-signalling

12:45 pm Lunch break

Session: *Techniques & Medical Relevance*

Student Chair: *Lena Hoffmann*

1:45 pm **Julia Mahamid:** Molecular views into cellular functions by cryo-electron tomography



Schedule

2:30 pm

Karina Ringer: The large GTPase Mx1 binds KIF5B for cargo transport along microtubules

2:45 pm

Fatemeh Mirzapourshafi: Vessel pruning and hemodynamics

3:00 pm

Giulia Boezio: TGF- β regulates outflow tract development and function in zebrafish

3:15 pm

Karsten Grote: Improved arterial collateral growth by TLR2/6 signaling: Elucidation of the underlying cellular mechanism

3:30 pm

Poster prize sponsored by *New England BioLabs GmbH*

3:45 pm

Final note

(1) “Meet Reinhard Jahn“ is a special event for Ph.D. students and postdocs to ask our keynote speaker about his early discoveries, strategies to overcome problems and his personal advice on how to succeed in Science. All students and postdocs are invited!

