

# SFB 958: Summer School 2013

Signaling from cell surface receptors & Imaging techniques

(11.09.13)

Date: 11. – 13.9.2013

Wednesday, September 11<sup>th</sup> (Day 1)

Imaging techniques to study membrane biology

Practical Courses / Theory

**Option 1: Stephan Sigrist CCO (Charité Cross Over), Mitte (Ebene 05 AG Sigrist; Virchowweg 6; 10117 Berlin) 9 - 16 Uhr**

Monitoring signaling at the Drosophila NMJ by electrophysiology	Practical course - Methods	Sigrist	A03
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**Option 2: Jan Schmoranzer, Leibniz Institut für Molekulare Pharmakologie (FMP, Robert-Roessle-Straße 10, 13125 Berlin) 10 - 16 Uhr**

Super-resolution microscopy	Practical course - Methods	Schmoranzer	Z02
Advanced microscopy	Lecture - Methods	Schmoranzer	Z02



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**Thursday, September 12<sup>th</sup> (Day 2)**

**Signaling from cell surface receptors**

**Lectures/Seminars FU, Lecture Hall (Lise Meitner Saal, 2nd floor, Hahn-Meitner Bau, Thielallee 63, 14195 Berlin)**

9:00 – 10:30: Wnt- $\beta$ -catenin signalling during development and tumor formation  
(Prof. W. Birchmeier, A15)

Coffee break

10:45 – 12:15: The molecular basis of mechanotransduction  
(Dr. K. Poole, A09)

Lunch

13:15 – 14:45: Regulation of neurotransmitter storage by heterotrimeric G-proteins  
(Prof. G. Ahnert-Hilger, A08)

Coffee break

15:00 – 16:30: The multiple roles of the PTEN tumour suppressor in neurons  
(Prof. B. Eickholt, A16)

**Evening (18:00):** Get-together in Dahlem; Alter Krug, Königin-Luise-Straße 52, 14195 Berlin!

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**Friday, September 13<sup>th</sup> (Day 3)**

**Mini-Symposium**

**Talks and Poster Presentation, Lecture Hall (Lise Meitner Saal, 2nd floor, Hahn-Meitner Bau, Thielallee 63, 14195 Berlin)**

**9:00: Welcoming speech** (Prof. Dr. Petra Knaus)

**PhD students present their work in 20-minutes-talks (in alphabetical order):**

- Balasubramaniyam Sivanandam, Arasu (A12): Identification and structural characterization of interaction partners of GTPases of Immunity-Associated Proteins (GIMAPs)
- Dick, Alexej (A12): Structural and biochemical studies of the orthomyxoviridae family nucleoproteins to clarify the antiviral mechanism of the human MxA protein
- Fulterer, Andreas (A06): Live imaging of synaptic activity in the Drosophila adult brain
- Gerth, Fabian (A07): Protein Autoinhibition in Synaptic Vesicle Recycling
- Hiepen, Christian (BSRT, MGK): BMP2 induced signalling in directional cell migration -from molecular pathway to cellular function-
- Jaschke, Dr. Alexander (A13): The Role of the GTPase ARFRP1 in Lipid Droplet (LD) Turnover
- Paarmann, Pia (BMS): The role of endocytosis in BMP receptor signalling
- Schöneberg, Johannes (A04): Influence of space and time in clathrin-mediated endocytosis.

**Lunch Break and Poster Session; afterwards the talks will be continued**

**Posterpresentations (in alphabetical order):**

- Diesenberg, Katrin (A11): A SEPT9/CIN85 complex regulates EGFR degradation
- Gras, Claudia (A11, BMS): The Role of Septin 1 in Maintaining the Golgi Architecture
- Hall, James (A09): Identification of novel interaction partners of Stomatin-like protein 3
- Lo, Wen-Ting (A01/A07): High throughput inhibitor screening for PI3K C2a
- Lützkendorf, Janine (A06): Characterization of a novel synaptic protein in Drosophila

**Election of the student speaker, evaluation & planning the next summer school**

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Mini-Symposium

9:00 – 9:20	Welcoming speech by Prof. Petra Knaus (coordinator IRTG)
9:25 – 10:40	Talks Session 1
9:25	Chris Hiepen
9:50	Arasu Balasubramaniam Sivanandam
10:15	Dr. Alexander Jaschke
10:40 – 10:55	Coffee break & Poster Session
10:55 – 12:10	Talks Session 2
10:55	Alexej Dick
11:20	Pia Paarmann
11:45	Johannes Schöneberg
12:10 – 13:10	Lunch break & Poster Session
13:10 – 14:00	Talks Session 3
13:10	Fabian Gerth
13:35	Andreas Fulterer
14:00 – 14:20	Evaluation
14:20 – 14:35	Coffee break
14:35 – 15.30	Election of the student speakers & planning the next summer school

