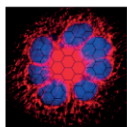


Research Training Group 2039 (GRK 2039) - Karlsruhe

Agenda

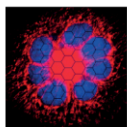
3rd Retreat and 12th Seminar Day
(12th – 13th April, 2018)

Apr 12 th , Thursday	Topic	Who is speaking
8:00- 8:15	Arrival and coffee	
Meeting Point	Forstliches Bildungszentrum Karlsruhe "Fasanenschlösschen" Richard-Willstätter-Allee 2, Lehrsaal I	
8:15-8:30	Welcome	Prof. Wagenknecht
8:30-10:00	Session 1 <i>Chair: Johannes Karcher</i>	
[20]	C1- Multi-Scale DNA origami structures to study early cell signaling in mast cells	Sophina Christ
[20]	C1- Biofunctionalized silica nanoparticles for small metabolite detection in vivo	Arnold Leidner
[20]	C1- Droplet based micro-bioreactors for encapsulation of single cells.	Sahana Sheshachala
[20 + 10]	C1- Overview & Outlook	Prof. Niemeyer
10:00-10:20	Break	
10:20-12:30	M1- Synthesis of chitosan nanoparticles for super-resolution imaging of mitochondria	Xiaoqian Ge
[20]	M1- Advanced fluorescence bioimaging with engineered molecular tools	Jens Lackner
[20]	A1- Synthesis of new fluorophores	Alexander Braun
[20]	A1- Cyclic transporter peptoid hybrids for cell imaging	Claudine Herlan
[20]	A1- Multifunctional hybrid materials composed of luminescent complexes linked to nanoparticles	Katharina Fanselau
[20 + 10]	A1- Overview & Outlook	Prof. Bräse
12:30-13:30	Lunch	
13:30 -15:30	Session 2 <i>Chair: Jens Lackner</i>	



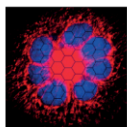
[20]	A3- Synthesis of wavelength shifting anti-GFP siRNA probes	Larissa Doll
[20]	A3- Photostable Fluorophores for RNA imaging in living Cells	Christian Schwechheimer
[20]	B3- Concept and synthesis of glucose binding aptamers	Jeannine Steinmeyer
[20 + 10]	A3 and B3- Overview & Outlook	Prof. Wagenknecht
15:00-15.20	Break	
15:20- 16:30	B1- Fluorescent peptoids and new azobenzene switches operational under visible light	Tobias Bantle
[20]	B1- Visible-light azobenzene photoswitches for photomodulation of cyclic peptides	Johannes Karcher
[20 + 10]	B1- Overview & Outlook	Dr. Pianowski
16:30-17:40	B2- Live fish with PNA & photoswitchable fluorescent cell-penetrating Peptides	Tim Schober
[20]	B2- Photo induced electron transfer across peptides and 4-Aminophthalimide as environmental sensitive peptide fluorophore	Samantha Woerner
[20]	B2- Overview & Outlook	Prof. Ulrich
17:40-21:00	Poster Session (food and refreshments will be provided)	All PhD students

Apr 13 th , Friday	Topic	Who is speaking?
8:00-10:20	Session 3 <i>Chair: Alexander Braun</i>	
[20]	M2- Ultrafast stimulated emission of GRK systems	Caroline Schweigert
[20]	M2- Investigations on visible light-driven tetrazole chemistry via femtosecond absorption spectroscopy	Philipp Jöckle
[20 + 10]	M2-Overview & Outlook	Dr. Unterreiner
[20]	M2- Application of Semi empirical Methods for Photophysical and Photochemical Processes	Franziska Wolff
[20]	M2-Structural Studies of Biomolecular Systems with Molecular Dynamics Simulations	Violetta Schneider
[20 + 10]	M2- Overview & Outlook	Prof. Elstner



10:20 – 10:40	Break	
10:40-12:10 [20] [20] [20] [20 + 10]	C2- <i>Synthesis and in vivo analysis of cell-penetrating peptoids</i> C2- <i>Inorganic-organic hybrid nanoparticles for theranostic application</i> C2- <i>Metal-based nanosystems for tissue-targeted drug delivery</i> C2- Overview & Outlook	Ilona Wehl Mikhail Khorenko Anna Meschkov Prof. Schepers
12:10 – 13:10	Lunch	
13:10-14:20	Session 4 <i>Chair: Philipp Jöckle</i>	
[20] [20] [20 + 10]	C2- <i>Sox1a/b specify a new class of inhibitory interneurons in the spinal cord of zebrafish embryos</i> C2- <i>Metabolic deregulation in a zebrafish model of endocrine disease: mapping glucose distribution with FRET sensors</i> C2- Overview & Outlook	Vanessa Gerber Mojtaba Ebrahimi Prof. Strähle
14:20-15:20 [20] [20] → sick leave [20 + 10]	A2- <i>Formation of single chain polymer nanoparticles with visible light</i> A2- <i>New tetrazoles for bioorthogonal labeling</i> A2- Overview & Outlook	Carolin Heiler Benjamin Lehmann Prof. Barner-Kowollik
[10]	Concluding remarks.	Prof. Wagenknecht
15:20-15:40	Break	
15:40- 18:00	Parallel Sessions	
	Supervisors only meeting <i>Chair: Prof. Wagenknecht</i>	Lehrsaal II
	Discussion & Project outlines	
	PhD student only meeting <i>Chair: Tobias Bantle/ Franziska Wolff</i>	
	- GRK 2039 Evaluation - Collect suggestions (topics for Seminar days, soft skill courses; GRK guests; changes) - PhD only excursion - Girls Day preparations - Student's Representative (April 2018 – April 2019) - Scientific Speed Dating	Lehrsaal I

**GRK
2039**



DFG
**Molecular Architectures for
Fluorescent Imaging of Cells**

