

RIGeL Newsletter May 2018

RIGeL News

Application & Registration Deadlines

03.-18.05.2018 | Method Course: Basic principles and practice of qPCR assay design and analysis, 11.-15.06.2018

07.-17.05.2018 | Workshop: Präsentationstraining, 13.-14.06.2018 (registration period for PhD students of the *Graduate Research Academy* RNA Biology and the RIGeL Section CBB)

09.05.2018 | RIGeL Application Deadline

14.-17.05.2018 | Workshop: Präsentationstraining, 13.-14.06.2018 (registration period for all RIGeL PhD students)

Method course: Basic principles and practice of qPCR assay design and analysis

The method course „Basic principles and practice of qPCR assay design and analysis“ will take place from 11 to 15 June 2018. Participants will learn how to design, execute and analyze qPCR assays for their own projects. In lectures and seminars participants will review, discuss and practice the basic principles of experimental design, quality control, analysis and reporting employed for qPCR assays. In the laboratory PhD students will apply the concepts reviewed in the lectures in a series of hands-on experiments on important steps of the qPCR work-flow. In the computer laboratory participants will become familiar with some of the major bioinformatic resources for the design, analysis and representation of qPCR assays. For detailed information see the RIGeL Calendar of Events.

One-week practical course on RNP Analysis in October 2018

From October 8 to 12, 2018 the *Graduate Research Academy* RNA Biology organizes a hands-on practical course on RNP analysis. The course „From Ensembles to Single-Molecule Analysis - Modern Methods of RNP Analysis“ aims to provide the participants with a solid knowledge and overview about state-of-the-art methods and innovative new approaches in RNP biology research. Methods and applications will be presented by internationally renowned guest speakers in the mornings and hands-on trainings will follow in the afternoons.

Topics | Structure Probing of RNPs Using Tethered Enzymes

RNA-Protein Interaction Studies - RNA Interactomes

MicroScale Thermophoresis (MST)

Isothermal Titration Calometry (ITC)

Single-Molecule RNA FISH

Single-Molecule FRET

Registration is open. More information on the course can be found on the website of the *Graduate Research Academy* RNA Biology: www.rnabiology-regensburg.de

People

New PhD students

Caroline Overå, Section CBB | PhD topic: „Structure and function of renal SLC5 transporters and TRP channels“, supervisor: Prof. Dr. Christine Ziegler

Stefan Schütz, Section CBB | PhD topic: „Unraveling the structural details of P-body formation“, supervisor: Prof. Dr. Remco Sprangers

Joanna Sucholas, Section MEE | PhD topic: „Traditional ecological knowledge and land use practices in the Biebrza Valley (Poland) and their effects on biodiversity - how is the situation today?“, supervisor: Prof. Dr. Peter Poschlod

Jan Polz, Section CBB | PhD topic: „Functional characterization of Rca1 as an APC/C inhibitor and APC/C substrate“, supervisor: Prof. Dr. Frank Sprenger

Isabell-Christin Fiedler, Section CBB | PhD topic: „Small secreted proteins in maize anther and tassel development“, supervisor: Dr. Karina van der Linde

Marouane Kdadra, [Section CBB](#) | PhD topic: „Prostate cancer staging using metabolomics evaluation of urine by Nuclear Magnetic Resonance Spectroscopy“ supervisor: Prof. Dr. Werner Kremer

Alumni

Rohit Menon, [Section Neurobio](#) | PhD topic: „Molecular and neuronal correlates of social fear in mice“, supervisor: Prof. Dr. Inga Neumann

Hung Ho Xuan, [Section CBB](#) | PhD topic: „Investigation of the roles of circular RNA circZNF609 during colorectal cancer progression“, supervisor: Prof. Dr. Gunter Meister

RIGeL Events

Career Supporting Events

- 03.05.2018 | Seminar series FOR2127, **Meet international experts and discuss latest developments in cancer research! - Dr. Ilaria Malanchi** (The Francis Crick Institute, Tumour-Host Interaction Laboratory, London/UK), 11.00-15.30 h, Biopark I, Hörsaal, registration: stefanie.pausch@ukr.de, Other Career Supporting Event
- 08-09.05.2018 | Workshop, **Advanced Image Analysis and Macro Scripting**, Dr. Jan Brocher (BioVoxel), 09:00-17:00 h, CIP-Pool DE.0.135, Method Course, 0.6 CP
- 09.05.2018 | Excursion, **Roche Diagnostics Penzberg**, 08:00-18:00 h, Other Career Supporting Event, 0.3 CP
- 09.05.2018 | Method Course, **RNA Lecture Series I: Single-molecule techniques and applications to the studies of RNA and ribonucleo complexes**, Prof. Dr. Dina Grohmann, 17.00 h, H 53
- 16.05.2018 | Seminar, **Forschung finanzieren - Endspurt für Horizon 2020**, 16:00-18:00 h, H 25 (Vielberth-Gebäude, VG 0.05)
- 17.05.2018 | Seminar series FOR2127, **Meet international experts and discuss latest developments in cancer research! - Dr. Carla Boccaccio** (Candiolo Cancer Institute, University of Turin, Candiolo, Italy), 11.00-15.30 h, Biopark I, Hörsaal, registration: stefanie.pausch@ukr.de, Other Career Supporting Event
- 23.05.2018 | Method Course, **RNA Lecture Series I: Tracking genome transcription with single-nucleotide precision by native elongating transcript sequencing (NET-seq)**, Dr. Andreas Mayer (Max Planck Institute for Molecular Genetics, Berlin), 17.00 h, H 53

Lectures & Talks

02.05.2018 |

Regensburg Lectures in Medical Bioinformatics - **Prof. Dr. Andreas Weber**
(Institut für Informatik, Professur für Bioinformatik, Universität Bonn)
Title: „Model reduction and symbolic dynamics of biological and chemical networks using methods from tropical geometry“
17.00 h, DE.0.133
Host: Prof. Dr. Rainer Spang

08.05.2018 |

Prof. Dr. Sonja-Verena Albers (Universität Freiburg)
Title: „The archaellum or how archaea swim“
17.00 h, H 53
Host: Dr. Annett Bellack, Prof. Dr. Reinhard Rachel, Dr. Harald Huber, SFB960-/BZR-Colloquium

15.05.2018 |

Alumni Talks - Ehemalige Regensburger berichten: **Prof. Dr. Ralf Wagner**
(Universitätsklinikum Regensburg, Molecular Microbiology)
Title: to be announced
17.00 h, H 53
Host: RIGeL Alumni Talks Group