

RIGeL Newsletter November 2020

RIGeL News

Application & Registration Deadlines

13.11.2020 | RIGeL Application Deadline

01.12.2020 | Application deadline - Short term research fellowship (Graduate Research Academy RNA Biology)

RNA Lecture Series Part II

Part II of the RNA Lecture Series „Modern methods to analyze features of ribonucleo-protein particles“ will start this Wednesday, November 4, 2020, 17:00 h over Zoom with the talk of Dr. Andrea Thorn (Universität Würzburg). In this part of the RNA Lecture Series, there will also be a guest lecture by Prof. Dr. Markus Bohnsack (Universität Göttingen). Prof. Dr. Bohnsack will give a talk on „CRAC(k)ing the mysteries of RNA-protein interactions“ on December 2nd, 2020. Full participation in Part II can be counted as a Method Course with 0.5 CP within the RIGeL Curriculum.

Get in contact with a potential future employer! - Roche Lecture Series on Biopharmaceutical Industry

This winter semester, all students and PhD students of the Faculty will again have the chance to get in touch with a potential future employer! The RIGeL Excursions and Industry Relations Group organizes the third Roche Lecture Series on Biopharmaceutical Industry: The group invited four young leaders from the company Roche Diagnostics GmbH, Penzberg. During the winter term, the invited speakers will give four lectures on different topics such as 'Introduction to Drug Regulatory Affairs' or 'Analytics & QC in the Biopharmaceutical Industry'. Participants will not just get unique insights into the work processes of a big pharmaceutical player, but also have the possibility to get in contact with the speakers in a relaxed atmosphere after each lecture. This is a great chance to discuss different options for internships or job opportunities at Roche Diagnostics or get some advice on how to move on with your personal career! All interested students, PhD students, faculty members and staff are welcome to attend the lecture series. The first talk will take place on Wednesday, November 11, at 16.00 h over Zoom, with the topic 'The Biopharmaceutical industry and the revived focus on gene therapy'. All talks will be held in English!

Soft skill workshops 2021

In cooperation with the Graduate Research Academy RNA Biology, RIGeL offers a wide range of seminars that support PhD students to develop their generic skills and expand their interdisciplinary experience. The workshops are designed as an additional qualification during the PhD and offer valuable orientation for the next career steps. The following courses will be offered in 2021:

18.-19.01.2021 | Application Training / Goodbye Academia? (English)

24.-25.03.2021 | Bewerbungstraining (German)

13.-14.04.2021 | Conflict Resolution (English)

06.-07.05.2021 | Scientific Writing (English)

07.-08.06.2021 | Scientific Presentation (English)

26.-27.07.2021 | Good Scientific Practice (English)

New PhD Students

Caroline Hiefinger, Section CBB | PhD topic: „Synthesis, Incorporation and Application of Novel Light-Switchable Unnatural Amino Acids“, supervisor: Dr. Andrea Kneuttinger

Sabrina Mandl, Section CBB | PhD topic: „Directed evolution of photo-responsive Imidazole glycerol phosphate synthase towards higher light regulation factors“, supervisor: Dr. Andrea Kneuttinger

Laura Cordero, Section Biomed | PhD topic: „Therapeutic Targeting of Mreg-i Treg interactions“, supervisor: Prof. Dr. Edward Geissler

Luisa Demarchi, Section Neurobio | PhD topic: „The neurobiology behind bond disruption: When a mother loses her child“, supervisor: Prof. Dr. Oliver Bosch

Jordi Yang Zhou, Section Biomed | PhD topic: „Uncovering the identity of a strong immunoregulatory type II NKT subset as a tool to combat autoimmune diseases related with lipid accumulation“, supervisor: Prof. Dr. Edward Geissler

Laura Boi, Section Neurobio | PhD topic: „The involvement of astrocytes in OXT-regulated socio-emotional behaviours: focus on social fear“, supervisor: Prof. Dr. Inga Neumann

Ulrich Lautenschlager, Section MEE | PhD topic: „Development and implementation of bioinformatics methods for phylogenomics and species delimitation in polyploid complexes“, supervisor: Prof. Dr. Christoph Oberprieler

Eva Morgenstern, Section CBB | PhD topic: „Functional Characterization of lncRNA LINC00941 as regular of human epidermal homeo-stasis“, supervisor: PD Dr. Markus Kretz

Alumni

Maria Baier, Section Biomed | PhD topic: „Die Rolle der Ca²⁺/Calmodulin abhängigen Proteinkinase II in der akuten Phase der Nachlastserhöhung im Herzen“, supervisor: Prof. Dr. Hayo Castrop

Silvia Esposito, Section CBB | PhD topic: „Transcription elongation factors and the chromatin status affect alternative splicing in *Arabidopsis Thaliana*“, supervisor: Prof. Dr. Klaus Grasser

Christina Braun, Section CBB | PhD topic: „Functional characterization of Pol5 in the maturation of both ribosomal subunits“, supervisor: PD Dr. Jorge Perez-Fernandez

Tobias Pohl, Section Neurobio | PhD topic: „Sex-dependent implications of Melanotan II treatment and inflammatory responses following partner loss in the prairie vole (*Microtus ochrogaster*)“, supervisor: Prof. Dr. Oliver Bosch

Ayse Nur Menevse, Section Biomed | PhD topic: „Identification of EFNB1 as a key immune modulator in brain with a dual role in T cell co-stimulation and glial cell immune resistance“, supervisor: Prof. Dr. Philipp Beckhove

RIGeL Events

Career Supporting Events

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| 04.11.2020 | Method Course, RNA Lecture Series II: Structural Biology and Bioinformatics: From Density to Model , Dr. Andrea Thorn (Rudolf-Virchow-Zentrum - Center for Integrative and Translational Bioimaging, Universität Würzburg), 17.00 h, held over Zoom |
| 05.-06.11.2020 | Workshop Scientific Writing , Dr. Brian Cusack (Science Craft), 09.00-17.00 h, Other Career Supporting Event, 0.6 CP |
| 09.-12.11.2020 | Method Course Relatedness in Ants - Use of Microsatellites , Mathilde Vidal, contact: mathilde-vidal@live.fr |
| 11.11.2020 | Biopharmaceutical Industry - Roche Lecture Series on Research and Development : Dr. Markus Haindl: The Biopharmaceutical industry and the revived focus on gene therapy, 16.00 h, held over Zoom, Other Career Supporting Event |

18.11.2020 |

Method Course, **RNA Lecture Series II: Modern methods in NMR spectroscopy to study large molecular machines**, Prof. Dr. Remco Sprangers, 17.00 h, held over Zoom

25.11.2020 |

Biopharmaceutical Industry - Roche Lecture Series on Research and Development: Dr. Markus Emmeler: Bioprocessing in the Biopharmaceutical industry, 16.00 h, held over Zoom, Other Career Supporting Event

Lectures & Talks

02.11.2020 |

Prof. Dr. Dipl. Ing. Felix Engel ((Experimentelle Nieren- und Kreislaufforschung, Nephropathologie, Universitätsklinikum Erlangen)
Title: „Gpr126 (Adgrg6) in kidney development and disease“
17.15 h, held over Zoom
Host: SFB 1350

09.11.2020 |

Prof. Dr. Jakob Völkl (Institute for Physiology and Pathophysiology, Johannes Kepler Universität Linz)
Title: „Medial vascular calcification in chronic kidney disease – from phosphate toxicity to new therapeutic concepts“
17.15 h, held over Zoom
Host: SFB 1350