

BIOME Core: Genetics & Cell Biology

Schedule 1st term 2017

Location: University of Duisburg-Essen, Faculty of Biology, Campus Essen, Room: S05 T03 B94
 Time: First Tuesday of each month, 5 pm (s. t.)
 Format: Guest lecture (45 min + discussion) or Student Review-Talk (25-30 min)
 2 student presentations (15 min each + discussion moderated by the host PI)
 In addition, students will receive feedback on their presentations in one-on-one discussion with the host coordinator.

January 10th, Room: S05 T03 B94: Perihan Nalbant

Prof. Shirley Knauer: *„Transcriptional regulation by nuclear export and protease cleavage“*
 Maïke Olsowski: *“Investigation of the infection pathway of the human pathogen Exophiala dermatitidis”*

February 7th, Room: S05 T03 B94: Stefan Westermann

Christina Heiselmayer: *“Recombinant protein expression and purification”*
 Robert Markworth: *“Regulation of androglobin expression”*
 Janina Gassen: *“Influence of thyroid hormones, age and gender on heart function”*

March 7th, Room: S05 T03 B94: Perihan Nalbant

Guest (TBA): *“TBA”*
 Lisa Marie Krieger: *“The role of chromatin structure on the repair of DSBs”*
 Karina Hadrian: *„Differential analysis and function of age-dependent expressed proteins in the retinal pigment epithelium of Callithrix jacchus“*

April 4th, Room: TBA: Perihan Nalbant

Student Lecture (TBA): *“TBA”*
 Kerstin Köhler: *“The role of new interactors of the Treslin-MTBP-TopBP1 protein complex in vertebrate replication initiation”*
 Bilal Tetik: *“Investigation of the molecular mechanisms of Treslin-MTBP-TopBP1 in DNA replication in semi in vitro”*

May 2nd, Room: TBA: Stefan Westermann

Guest (TBA): *“TBA”*
 Daniela Geist: *“Non-classical thyroid hormone action mediated through thyroid hormone receptor alpha”*
 Miriam Lutomski: *“Regulation of the CCAN complex of the budding yeast kinetochore”*

June 6th, Room: TBA: Stefan Westermann

Ann-Christine Severmann: *“Genetic model system mouse”*
 Jana Aschöwer: *“Analysis of telomere length in patients with acute anorexia nervosa and after weight reconstitution”*
 Nikolay Kornakov: *“Reconstitution of lateral kinetochore transport by molecular motors”*

A note about the PhD overview lectures:

An aim of our BIOME core is that each of you has - as much as possible - a common standard of knowledge with students (2nd year +) presenting an “overview” about a major subject to their peers.

The “PhD overview lectures” should be based on textbook knowledge, as well as up-to-date reviews, and ideally they should be related to the PhD project of the presenting student. Duration of the presentation: 25-30 min. The coordinators will provide advice on what to cover in the respective lectures.

Here are the potential subjects:

- Cell cycle regulation
- Cytoskeleton
- Genetic Model system Yeast
- Genetic Model system Mouse
- Stem cells
- Recombinant protein expression and purification
- RNAi, CRISPR
- Control of gene expression - Transcription
- Fluorescence microscopy