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”
  Maike 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
  Lisa-Marie Krieger: “Cell cycle regulation”
  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