BIOME Core: Genetics & Cell Biology

Schedule 1st term 2020

Location: University of Duisburg-Essen, Faculty of Biology, Campus Essen, Room: S05 R03 H20/T03 R04 C09
Time: first Tuesday of the 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)
Students will receive feedback on their presentations in one-on-one discussion with the host

January 7th, Room: S05 R03 H20: Host: Stefan Westermann

Prof. Dr. Daniel Hoffmann: “Usage of bioinformatics in biological/medical context”
Rebekka Vogtmann: “Effects of soluble VEGF receptor-1 (sFLT1) in transgenic preeclampsia/intrauterine growth restriction mouse models”
Nicole Barwinski: “Analysis of extracellular vesicles in blood for the characterization of diagnostic biomarkers of cancer in patients with heritable retinoblastoma”

February 4th, Room: S05 R03 H20: Host: Perihan Nalbant

Marvin Droste: “Extracellular vesicles”
Marvin Droste: “Urinary extracellular vesicles (EVs) as prognostic and diagnostic biomarkers in pediatric nephrotic syndrome”
Leon Jekel: “Influence of oncogenic EIF1AX mutations on the protein synthesis in uveal melanomas”

March 3rd, Room: S05 R03 H20: Host:

Prof. Dr. Michael Ehrmann: “Translational Aspects of Protein Quality Control”
Pascal Lambertz: “Use and differentiation of hiPSC from mechanical target validation assays to in-vitro patient stratification”
Dhanusha Schwan: “The role of mitochondria and endoplasmatic reticulum in endothelial cells after cold exposure”

April 7th, Room: T03 R04 C09: Host:

Prof. Dr. Perihan Nalbant

Yanjie Sun: “The mechanisms of regulation of the cellular DNA damage response by Skp2 and the substrate targeting component of the SCF RING E3 ubiquitin ligase”
Leonard Quiring: “Analysis of mitochondrial dynamic and function after cold storage of cells”

May 5th, Room: T03 R04 C09: Host:

Dr. Doris Hellerschmied: “Chemical biology to unravel protein homeostasis”
Huaping Xiao: “The role of DNA-PKcs in checkpoint control and resection in the G2-phase of the cell cycle: comparison with other components of c-NHEJ apparatus”
Ronja Schirrmann: “Modulation of cellular functions by nanoparticles”

June 2nd, Room: T03 R04 C09: Host:

Dr. Farnusch Kaschani: “Mass Spectroscopy Methods”
Rongde Zhong: “The mechanism of the chemo-resistant and the novel therapeutic strategy in glioblastoma”
Jessica Wagner: “Investigation of the role of global and local actin contractions in tumor-related dynamic cell behavior by optogenetic manipulation of Rho GTPase-based signaling pathways”