

Program Methods-PhD-Retreat 2021

Day 1 (10.03.21), 9 am

Correlative Light and Electron Microscopy @ IBIOS (Rico Franzkoch)

Three dimensional electron microscopy @ IBIOS (Leonhard Breitsprecher)

Negative Staining Electron Microscopy for Single Particle Analysis (Jan-Hannes Schäfer, Structural Biology)

Day 2 (17.03.21), 9 am

DNA-PAINT in polymer-supported plasma membranes (Shirin Kappelhoff, Cellular Biophysics)

Multi-color single molecule fluorescence microscopy (Junel Sotolongo Bellón, Biophysics)

Single molecule FRET (Hauke Winkelmann, Biophysics)

ECM protein mobility in Drosophila using FRAP (Marcel Reinhardt, Zoology)

Day 3 (24.03.21), 9 am

Gibson-Assembly/Site-directed mutagenesis (Lena Lüken, Microbiology)

Phosphoflow-Cytometry (and sorting) (Thomas Meyer, Biophysics)

Real-time monitoring of cellular redox potential by ratiometric fluorometrie (Cilian Kock, Botany)

CRISPR Cas9 in yeast (Sophie Grziwa, Biochemistry)