

## Lecture Plan FOKUS Life Sciences, "Methods", Winter Semester 2021/22

- as of 5.10.2021, potentially subject to changes -

Date	Thematic block	Lecture title
18.10.21	Imaging	<a href="#">High-Resolution Fluorescence Imaging</a>
19.10.21	Imaging	<a href="#">Super Resolution Microscopy</a>
25.10.21	Imaging	<a href="#">(Cryo)-Electron Microscopy</a>
26.10.21	Imaging	<a href="#">(Cryo)-Electron Microscopy</a>
02.11.21	Imaging	<a href="#">Bioinformatic Image Analysis Methods</a>
08.11.21	Biochem & Biophys	<a href="#">Protein Expression and Purification</a>
09.11.21	Biochem & Biophys	<a href="#">Macromolecular Crystallography</a>
15.11.21	Biochem & Biophys	<a href="#">Mass Spectrometry: Principles &amp; Application in Metabolomics</a>
16.11.21	Biochem & Biophys	<a href="#">Quantification &amp; Modulation of Protein-Protein Interactions</a>
22.11.21	Biochem & Biophys	<a href="#">Computational Cell Biology</a>
23.11.21	Biochem & Biophys	<a href="#">Phylogeny and Sequence Analysis</a>
29.11.21	Infect/Immun/Cancer	<a href="#">Pathogen Sequence Analysis</a>
30.11.21	Infect/Immun/Cancer	<a href="#">Sequencing Methods and Systems Virology</a>
06.12.21	Infect/Immun/Cancer	<a href="#">Single Cell Analysis of Host Pathogen Interaction</a>
07.12.21	Infect/Immun/Cancer	<a href="#">Methods in Plant-Pathogen Interaction Research</a>
13.12.21	Int. Biology, Drosophila	<a href="#">Drosophila Toolbox I</a>
14.12.21	Int. Biology, Drosophila	<a href="#">Drosophila Toolbox II</a>
20.12.21	Infect/Immun/Cancer	<a href="#">Antibody Based Methods and Applications</a>
21.12.21	Infect/Immun/Cancer	<a href="#">Antibody Application in Clinical Oncology</a>
22.12.21		Mock Exam
07.01.22		Midterm Exam "Methods", lectures incl. 7.12.21
10.01.22	Infect/Immun/Cancer	<a href="#">Tissue Engineering</a>
11.01.22	Infect/Immun/Cancer	<a href="#">Biofabrication: Techniques, Materials and Applications</a>
17.01.22	Infect/Immun/Cancer	<a href="#">Understanding Clinical Trials</a>
18.01.22	Infect/Immun/Cancer	<a href="#">CRISPR Cas and Genome Editing</a>
24.01.22	Integrative Biology	<a href="#">Methods in Behavioral Physiology</a>
25.01.22	Integrative Biology	<a href="#">Methods in Neuroethology</a>
31.01.22	Integrative Biology	<a href="#">Single Cell Methods to Study Plant Sensors</a>
01.02.22	Integrative Biology	<a href="#">Plant Sensors in Heterologous Expression Systems</a>
07.02.22	Integrative Biology	<u>TBA</u>
08.02.22	Integrative Biology	<a href="#">Mechanistic Biodiversity Modelling</a>
14.02.22		Final Exam "Methods"