

## Hands on practical classes 2024/1

Date	Time	Title	Responsible lecturer	Additional information	Location
02.02.2024	09:00-17:00 h	Basic seminar on science communication	Jens Notroff <i>Nationales Institut für Wissenschaftskommunikation</i>	Different text types Target groups and media Main message Trust in science	ZOM A2 -3, Anesthesiology Oberdürrbacher Str. 6
23.02.2024	13:00-16:00 h	Introduction to Python for Life Sciences	Dr. A. Sodmann	How to get Python running and examples (data and code)	B1 Neurology, Entrance Josef-Schneider-Str. 11
23.02.2024	13:00-16:00 h	Machine Learning - Basics and Examples	A. Sawalma	Introduction to machine learning. Common methods that can be used to analyze clinical and basic research data	ZOM A2 -3, Anesthesiology Oberdürrbacher Str. 6
23.02.2024	13:00-16:00 h	Pharmacotherapy: Compliance and drug safety in pain treatment	Dr. A. Papagianni N. Cebulla	Patient Case Study Common Pitfalls	B1 Neurology, Entrance Josef-Schneider-Str. 11
23.02.2024	13:00-16:00 h	Pain Behavioral Tests: Troubleshooting	Prof. Dr. R. Blum F. Schlott	Troubleshoot and creation of standard SOPs among KFO groups	B1 Neurology, Entrance Josef-Schneider-Str. 11
26.04.2024	13:00-16:00 h	Molecular players in pain resolution - behavioural and morphological analyses	Univ.-Prof. Dr. R. Kittel Dr. M. Selcho	Institute Tour Behavioral experiments Super resolution microscopy	Leipzig University Institute of Biology, Animal Physiology Talstraße 33 04103 Leipzig
26.04.2024	13:00-16:00 h	3D Cell Culture	Prof. Dr. C. Villmann	2D vs 3D cell culture Comparison in calcium imaging	Institute Clinical Neurobiology Versbacher Str. 5
26.04.2024	13:00-16:00 h	RNA Sequencing Analysis and Single Cell	Prof. Dr. R. Blum F. Schlott	Discussion between users to share knowledge and discuss different approaches	B1 Neurology, Entrance Josef-Schneider-Str. 11
26.04.2024	13:00-16:00 h	Immunolabeling and imaging of skin biopsies	Dr. B. Hartmannsberger	Introduction to basic immunohistochemistry methods. Preparation of sections and stainings, and analysis (fluorescence microscope)	ZOM A2 -3, Anesthesiology Oberdürrbacher Str. 6

### Hands on practical classes 2024/2

Date	Time	Title	Responsible lecturer	Additional information	Location
11.10.2024	13:00-16:00 h	Immunolabeling and imaging of skin biopsies	Dr. B. Hartmannsberger	Introduction to basic immunohistochemistry methods. Preparation of sections and stainings, and analysis (fluorescence microscope)	ZOM A2 -3, Anesthesiology Oberdürrbacher Str. 6
11.10.2024	13:00-16:00 h	Pharmacotherapy: Compliance and drug safety in pain treatment	Prof. C. Sommer N. Cebulla	Patient Case Study Common Pitfalls	B1 Neurology, Entrance Josef-Schneider-Str. 11
11.10.2024	13:00-16:00 h	Pain Behavioral Tests: Troubleshooting	Prof. Dr. R. Blum F. Schlott	Troubleshoot and creation of standard SOPs among KFO groups	B1 Neurology, Entrance Josef-Schneider-Str. 11
08.11.2024	13:00-16:00 h	3D Cell Culture	Prof. Dr. C. Villmann	2D vs 3D cell culture Comparison in calcium imaging	Institute Clinical Neurobiology Versbacher Str. 5
08.11.2024	13:00-16:00 h	RNA Sequencing Analysis and Single Cell	Prof. Dr. R. Blum F. Schlott	Discussion between users to share knowledge and discuss different approaches	B1 Neurology, Entrance Josef-Schneider-Str. 11
08.11.2024	13:00-16:00 h	Machine Learning - Basics and Examples	A. Sawalma	Introduction to machine learning. Common methods that can be used to analyze clinical and basic research data	ZOM A2 -3, Anesthesiology Oberdürrbacher Str. 6