



NEUROSCIENCE SUMMER SCHOOL

22.-24. September 2021

Skills Lab I House 97 | Leipziger Str. 44 | 39120 Magdeburg

22.09.2021 12 – 9 p.m.

- 12 p.m. Arrival & Lunch
- 1 p.m. **Opening Talk:** „Value of Failure“ (room 109)
Prof. Dr. Miriam Unterlass (University of Konstanz, Germany)
- 2 p.m. **Compact Course I:** Microscopy: Live-cell imaging and 2-photon Imaging (room 305)
Prof. Dr. Marina Mikhaylova (Institute for Biology, HU Berlin)
- 3 p.m. *Coffee Break*
- 4:30 p.m. Group Picture
- 5 p.m. Science Speed Dating
- 7 p.m. BBQ with Poster Session (behind Skills Lab building/balconies)
- 9 p.m. End

23.09.2021 9 a.m. – 9 p.m.

9 a.m. - 4 p.m. **Workshop-Day - please bring your own laptop with you!**

Workshop 1: Research Data Management (room 309)

Dipl.-Inf. Katarzyna Biernacka (HU Berlin, discipline workshops)

Workshop 2: Machine Learning (room 307)

Dr. Peer Herholz (UNIQUE - Unifying Neuroscience and Artificial Intelligence, Quebec and Montreal Neurological Institute-Hospital) and Dr. José Alanis (Philipps-University Marburg)

Workshop 3: Mass Spectrometry-Based Proteomics (room 214)

Dr. Alessandro Ori (Leibniz Institute on Ageing, FLI Jena), Dr. Florian Meier-Rosar (University Clinic Jena) and Dr. Patrick R. Winterhalter (MLU Halle)

10:30 a.m. *Coffee Break*

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- 12:30 p.m. *Lunch Break*
- 3 p.m. *Coffee Break*
- 5 p.m. Social Event at student club “Kiste”

24.09.2021 9 a.m. – 4 p.m.

- 9 a.m. **Compact Course II:** Ageing neurons – insides from cell culture models (room 309)
Dr. Peter Landgraf, Dr. Anke Müller and Dr. Carolina Montenegro (Medical Faculty, OVGU Magdeburg)
- 9 a.m. **Compact Course III:** Introduction to MRI for neuro-imaging (room 305)
Dr. Hendrik Mattern (Institute of Physics, OVGU Magdeburg)
- 10:50 a.m. *Coffee Break*
- 11:10 a.m. **Compact Course III:** visit of 7T MRI
Dr. Hendrik Mattern (Institute of Physics, OVGU Magdeburg)
- 11:10 a.m. **Compact Course IV:** Methods and Pitfalls of Behavioral Experiments (room 309)
Dr. Markus Fendt (Medical Faculty, OVGU Magdeburg), Dr. Anil Annamneedi (Institute for Biology, OVGU Magdeburg)
- 1 p.m. *Lunch Break*
- 2 p.m. **From basic science to application:** How to estimate my own (translational) research potential? Insights into successful translational research (VIRTUAL, room 109)
Dr. Felipe Opazo (NanoTag Biotechnologies, University Medicine Göttingen)
- 3:30 p.m. *Coffee Break*
- 4:00 p.m. Final Remarks