



## Progress Report Seminar - Fall Semester 2022

Date	Speaker/Group Title	Chair
September 20	<b>Elena Benvenuto/GS</b>	<b>Manuel Zinnenlauf / MA</b>
	<i>Studying the Impact of Chromatin on Efficient Base Editing Outcomes</i>	
September 27	<b>Alex Rosi-Andersen / SB</b>	<b>Harada Masaya / TP</b>
	<i>Time-place Memory Within the Engram</i>	
	<b>Daniel Beck / MA</b>	
	<i>CANCELLED</i>	
October 4	<b>Neda Davoudi / DR</b>	<b>Nicola Schmid / BW</b>
	<i>Localized Neural Responses Induced by Precise Transcranial Ultrasound Stimulation</i>	
	<b>Musadiq Bhat / HUZ</b>	
	<i>Targeting the Interaction of GABAB Receptors with CHOP After an Ischemic Insult Restores Receptor Expression and Inhibits Progressive Neuronal Death.</i>	
October 11	<b>Afroditi Eleftheriou/BW</b>	<b>Marta Figueiredo / ST</b>
	<i>Investigating Cerebral Glucose Uptake with In- vivo Fluorescence Lifetime Imaging</i>	

	<b>Georgia Sousouri / HPL</b>	
	<i>Effects of 5G electromagnetic field exposure on the EEG during sleep</i>	
<b>October 18</b>	<b>Jan Deric / BW</b>	<b>Zainab Faik / AS</b>
	<i>Development of Fluorescent Protein Sensors for FLIM</i>	
	<b>Loïc Duffet / TP</b>	
	<i>Building New Optical Tools for Monitoring and Controlling Endogenous Neuropeptide Signaling</i>	
<b>October 25</b>	<b>Sebastian Jossi / GS</b>	<b>Henri Zanker / AS</b>
	<i>Travelling SpCas9 Sequence Space Towards PAM Relaxations</i>	
	<b>Johanna Furrer/BW</b>	
	<i>The Role of Astrocytes in Postnatal Synaptic Refinement of the Medial Prefrontal Cortex</i>	
<b>November 1</b>	<b>Lin Tang / DR</b>	<b>Rachel Meister / BW</b>
	<i>Synthesizing NIR-II agents for Deep Tissue Optoacoustic and Fluorescence Microangiography</i>	
	<b>Marta Figueiredo / ST</b>	
	<i>Timely Delivery of Cargo to Neuronal Dendrites</i>	
<b>November 8</b>	<b>Laura Schnider / HPL</b>	<b>Francesca Pietrafesa / HUZ</b>
	<i>A 40µg Dose of Sublingual Dexmedetomidine Promotes Sleep in Men with Subclinical Insomnia</i>	



	<b>Jacqueline Condrau / BW</b>	
	<i>Novel Optical Method to Induce Single Capillary Microstrokes</i>	
<b>November 15</b>	<b>Simon Daquin / HUZ</b>	<b>Zhenyue Chen / DR</b>
	<i>Top-down Somatosensory Control by Spinally Projecting S1 Neurons</i>	
	<b>Zoe Looser / AS</b>	
	<i>Oligodendroglial Kir4.1 Mediates Axon-Glial Signaling and Regulates Axonal Energy Metabolism</i>	
<b>November 22</b>	<b>Paul Wrede / DR</b>	<b>Lukas Glandorf / DR</b>
	<i>Acoustic Trapping and Manipulation of Particles Towards Microrobotic Medical Applications</i>	
	<b>Martha Gjokolaj/ST</b>	
	<i>GABA Mediated Adaptation to Summer and Winter Daylight Conditions</i>	
<b>November 29</b>	<b>Noor Khalid / MA</b>	<b>Camilla Beccarini / HUZ</b>
	<i>Investigating the Physiological Substrate Landscape of Microsomal Epoxide Hydrolase</i>	
	<b>Xuehan Zhou / TP</b>	
	<i>Development and Validation of Genetically Encoded Neuropeptide Sensors</i>	
<b>December 6</b>	<b>Miho Sato / SB</b>	<b>Valentin Rohner / TP</b>
	<i>New technologies to monitor the circadian clock in vivo</i>	

	<p><b>Kim Marquart / GS</b></p> <p><i>Ultracompact Pre-CRISPR Transposon Encoded Nucleases for RNA-programmable Genome Editing</i></p>	
<b>December 13</b>	<p><b>Quanyu Zhou / DR</b></p> <p><i>Deep-tissue Microangiography with Diffuse Optical Localization Imaging in the NIR-II Window</i></p> <p><b>Mohammad Hleihil / HUZ</b></p> <p><i>Protein Phosphatase 2A Regulation of GABAB Receptors Normalizes Ischemia-Induced Aberrant Receptor Trafficking and Provides Neuroprotection</i></p>	<b>Chaim Glück /BW</b>
<b>December 20</b>	<p><b>Sharan Janjuha / GS</b></p> <p><i>Visualizing In-vivo Base Editing Outcomes Using In-situ Sequencing</i></p> <p><b>Zainab Faik /AS</b></p> <p><i>Functional Metabolic Imaging of Oligodendrocytes</i></p>	<b>Ali Özbek / DR</b>