



Progress Report Seminar - Spring Semester 2024

Tuesdays at 8:30 a.m., seminar room Y17-H05

Date	Speaker/Group Title	Chair
February 20, 2024	Patricia Sonderegger / HPL	Andreas Stäuble / MA
	<i>The effect of dexmedetomidine on overnight hyperarousal adaptation</i>	
	Shruti Sundar / DR	
	<i>Quantum imaging with entangled photon sources</i>	
February 27, 2024	Erica Pedron / HPL	Fiona Seitz / AS
	Manuel Zinnenlauf / MA	
March 5, 2024	Lucas Kissling / GS	Leah Casillo / HPL
	<i>Correcting a mouse model for Dravet Syndrome by prime editing</i>	
	Marilia Magalhaes de Sousa / HUZ	
	<i>Descending inhibitory neurons of the RVM that mediate widespread bilateral antinociception</i>	
March 12, 2024	Valentin Rohner / TP	Elina Villiger / GS
	<i>Engineering of an improved red fluorescent GPCR-based GEFI for norepinephrine</i>	

March 19, 2024	Lukas Glandorf / DR	Shruti Sundar / DR
	<i>Bessel-beam optical coherence microscopy for large-scale assessment of vascular dynamics in stroke</i>	
	Konstantinos Kompotis / HPL	
	<i>Deciphering the role of Neuromedin U receptor 2 in sleep and circadian behavior</i>	
March 26, 2024	Michael Rappleye / TP	Saphira Mueller / GS
	<i>Expanding applications for GPCR-based tools</i>	
	Nima Mahkam / DR	
	<i>Sound solutions: harnessing acoustics and microrobots for advanced drug delivery and therapeutic treatments</i>	
April 9, 2024	Urvashi Dalvi / AS	Marilena Karakatsani / DR
	<i>Exploring the impact of oligodendroglial reactive oxygen species on axonal function</i>	
	Camilla Beccarini / HUZ	
	<i>Polysomal profiling of spinal cells after peripheral nerve injury</i>	
April 16, 2024	Eva Remlova / DR	Marta Mazurkiewicz / HUZ
	<i>Photostability of gold nanorods for hyperthermia-induced applications in biomedicine</i>	
	Peter Kulcsar / GS	
	<i>In vivo gene editing to treat genetic obesity linked to MC4R mutations in mice</i>	



April 23, 2024	Johanna Furrer / BW	András Talás / GS
	<i>The role of astrocytes in postnatal synaptic refinement of the medial prefrontal cortex</i>	
	Melvin Alappat / HUZ	
	<i>The effect of diabetes on myelin homeostasis</i>	
April 30, 2024	Rachele Maria DAngelo / HPL	Urata Kosumi / MA
	<i>A causal role for voltage-gated CaV1.2 calcium channels in mediating 5G effects on sleep-associated brain health in humans</i>	
	Viktor Beilmann / BW	
	<i>How prefrontal astrocytes modulate neuronal activity – implications for major psychiatric disorders</i>	
May 7, 2024	Misa Oyama / HUZ	Noor Khalid / MA
	<i>Electrophysiological analysis of the positive allosteric modulator of GABAA receptors</i>	
	Xiang Liu / DR	
	<i>Full view LED-based optoacoustic tomography</i>	
May 14, 2024	Yanik Weber / GS	Sevasti Gaspari / HUZ
	<i>Broadening the toolset of nucleotide editors through protein evolution</i>	
	Mohammad Hleihil / HUZ	
	<i>Restoring GABAB receptor expression in the VTA of methamphetamine addicted mice inhibits locomotor sensitization and drug seeking behavior</i>	

May 21, 2024	Sarai Fischer / BW	Paul Wrede / DR
	<i>Morphology and behavior of glial cells during development</i>	
	Zacharoula Kagiampaki / TP	
	<i>Deciphering brain neuromodulatory function with genetically encoded fluorescent sensors</i>	
May 28, 2023	Andreas Reichmuth / GS	Eva Remlova / DR
	<i>In vivo generation of chimeric antigen receptor cell therapies using targeted delivery of circular RNA</i>	
	Jeanne Droux/ BW	
	<i>Landscapes of blood circulating neutrophils in ischemic stroke: implications in microvascular failure and injury</i>	