

LMU - HARVARD Young Scientists' Forum

@ HARVARD, July 19 - 22, 2014

## LMU - HARVARD Young Scientists' Forum

Saturday, July 19					
	Northwest Building, B1 Lobby, 52 Oxford Street, Cambridge, MA 02138				
8:45 AM	Continental breakfast at Northwest Building, B1 lobby				
9:00	Opening Remarks by Kenny Blum, Executive Director, Center for Brain Science				
9:15	Faculty Seminar: Charles Weitz, HARVARD A Molecular Basis for Specificity in the Mammalian Circadian Clock Feedback Loop				
10:15	Break				
10:30	Young Scientist Session One: Chronobiology to Synapses				
	Mirjam Geibel, Merrow Lab, LMU Interaction of the Circadian Clock and Neurodegenerative Processes in <i>C. elegans</i>				
	Anne Venner, Saper Lab, HARVARD Investigating the Role of CNS Histamine in Mediating Sleep-wake States using DREADDs				
	Celine Vetter, Schernhammer Lab, HARVARD Clocks @ Work - Concepts, Data, and Mechanisms				
	<b>Genevieve van de Bittner</b> , Hooker Lab, HARVARD Monitoring Synaptic Density: PET Tracer Development and Neuroimaging				
12:30 PM	Lunch				
2:00	Young Scientist Session Two: Neural Development and Pathology				
	Francesca Vigano, Dimou Lab, LMU				
	Heterogenity of Adult NG2 <sup>+</sup> -cells: Differentiation Properties and Reaction to Injury Sergio Gascon, Götz Lab, LMU				
	Identification and Successful negotiation of a Metabolic Checkpoint in				
	Direct Neuronal Reprogramming				
	Lotta von Rüden, Potschka Lab LMU Pharmacological and Genetic Modulation of the Endocannabinoid System in a				
	Chronic Epilepsy Model				
	Johanna Wanngren, Lichtenthaler Lab, TUM Regulated Intramembrane Proteolysis and its Therapeutic Potential in				
	Alzheimer Disease				
4:00	Break				
4:15	Faculty Seminar: Stefan Lichtenthaler, TUM Neuroproteomics and Neurodegeneration:				
	Substrates and Functions of Alzheimer Secretases				
5:30	Poster Session One and Social Hour				
	Stephen Abbott, Saper Lab, HARVARD: TBA Rainer Bögle, Dietrich Lab, LMU: Age-related Decline in Functional Connectivity of the Vestibular Cortical Network				
	Greg Bryman, Do Lab, HARVARD: TBA				
	Xin Duan, Sanes Lab, HARVARD: Type II Cadherins Guide Assembly of a Direction – Selective Retinal Circuit				
	Arne Fabritius, Griesbeck Lab, MPI Neurobiology: The Evolution Machine: Improvement of Optogenetics Proteins				
	Delwen Franzen, Felmy Lab, LMU: Pre- and Postsynaptic Refinements in the MSO during Late Postnatal Development				
	Sami Hassan, Biel Lab, LMU: Two-pore Channel 2 – a Regulator of Endo-lysosomal Trafficking				
	Max Koch, Sieber Lab, TUM: Subclass-specific Capture of Maleimide-antibiotics with Customized Nucleophilic Probes				
	Johannes Kohl, Dulac Lab, HARVARD: Ultra-fast Tissue Staining with Chemical Tags				
	Manuel Lehm, Dichgans Lab, LMU: Proteome-wide Analysis for Identification of Functional SNPs				
	Maria Olmedo, Merrow Lab, LMU: High Throughput Methods for Characterisation of Lethargus in C. elegans				
	Laura Trovo, Misgeld Lab, TUM: Zebrafish to Study Cholesterol Involvement in Axon Degeneration Ziyang Zhang, Myers Lab, HARVARD: A Practical Platform for the Synthesis of Macrolide Antibiotics				
7:30	Dinner catered by Blue Ribbon BBQ outside Northwest Café				

## LMU - HARVARD Young Scientists' Forum

Sunday, July 20				
	Northwest Building, B1 Lobby, 52 Oxford Street, Cambridge, MA 02138			
8:45 AM	Continental breakfast at Northwest Building, B1 lobby			
9:00	Faculty Seminar: Sandeep Robert Datta, HARVARD Modularity and Predictability in Naturalistic Behavior			
10:00	Break			
10:30	Young Scientist Session Three: Neural Plasticity / Cancer Therapeutics			
	Judith Reichel, Wotjak Lab, MPI Psychiatry Effects of Cell type-specific Manipulations on Cognitive and Emotional Behaviour in Mice Sheng Hong Chen, Lahav Lab, HARVARD TBA			
	<b>Gabriela Wiedemann</b> , Endres Lab, LMU A Novel Synthetic Toll-like-Receptor 7 Agonist for Tumor Therapy			
	Christina Krupka, Subklewe Lab, LMU CD33-targed Immunotherapy in AML			
12:30 PM	Lunch			
2:00	Faculty Seminar: Marion Subklewe, LMU Dendritic Cell Vaccination in Cancer Immunotherapy: From Biology to Translational Medicine			
3:15	Poster Session Two and Social Hour			
	Stephen Abbott, Saper Lab, HARVARD: TBA			
	Rainer Bögle, Dietrich Lab, LMU: Age-related Decline in Functional Connectivity of the Vestibular Cortical Network			
	Greg Bryman, Do Lab, HARVARD: TBA Xin Duan, Sanes Lab, HARVARD: Type II Cadherins Guide Assembly of a Direction – Selective Retinal Circuit			
	Arne Fabritius, Griesbeck Lab, MPI Neurobiology: The Evolution Machine: Improvement of Optogenetics Proteins			
	Delwen Franzen, Felmy Lab, LMU: Pre- and Postsynaptic Refinements in the MSO during Late Postnatal Development			
	Sami Hassan, Biel Lab, LMU: Two-pore Channel 2 – a Regulator of Endo-lysosomal Trafficking			
	Max Koch, Sieber Lab, TUM: Subclass-specific Capture of Maleimide-antibiotics with Customized Nucleophilic Probes			
	Johannes Kohl, Dulac Lab, HARVARD: Ultra-fast Tissue Staining with Chemical Tags			
	Manuel Lehm, Dichgans Lab, LMU: Proteome-wide Analysis for Identification of Functional SNPs			
	Maria Olmedo, Merrow Lab, LMU: High Throughput Methods for Characterisation of Lethargus in <i>C. elegans</i> Laura Trovo, Misgeld Lab, TUM: Zebrafish to Study Cholesterol Involvement in Axon Degeneration			
	<b>Ziyang Zhang</b> , Myers Lab, HARVARD: A Practical Platform for the Synthesis of Macrolide Antibiotics			
5:30	Dinner in Cambridge (break into small groups hosted by HARVARD scientists)			



## LMU - HARVARD Young Scientists' Forum

Monday, July 21				
	Cannon Room, Building C, 240 Longwood Avenue Boston, MA 02115			
8:45 AM	Shuttle bus departs Northwest Building for Longwood			
9:30	Continental breakfast in Cannon Room lobby			
9:45	Faculty Seminar: Jacob Hooker, HARVARD Imaging and Quantification of Chemistry in the Brain, From Synthesis Methods to Studies in Man			
10:45	Young Scientist Session Four: Small Molecules			
	Malgorzata Borowiak, Trauner Lab, LMU Reversibly Light-controlled Antimitotics: Towards Intelligently Targeted Chemotherapy			
	<b>Emily Ricq</b> , Hooker Lab, HARVARD A Thiol-Based Redox Switch Regulates the Histone Demethylase LSD1/KDM1a <b>Marina Santiago</b> , Walker Lab, HARVARD TBA			
12:15 PM	Lunch			
2:00	Faculty Seminar: Wolfgang Enard, LMU Mouse Models for Human Brain Evolution			
3:00	Young Scientist Session Five: Evolution to Cognition			
	Nicolas Rohner, Tabin Lab, HARVARD Pale, Small Eyes, Big Belly - the Genetic Basis of Unattractiveness - or Why Cavefish Prefer the Dark			
	Elinor Karlsson, Sabeti Lab, HARVARD Natural Selection and Cholera Resistance in Bangladesh			
	Pieter Goltstein, Hübener Lab, MPI Neurobiology How Learning of Visual Associations Affects Sensory Processing in Neocortical Networks			
4:30	Break			
5:00	Faculty Seminar: Benedikt Grothe, LMU Evolution of Spatial Hearing			
6:15	Dinner in Boston (break into small groups hosted by HARVARD scientists)			
Tuesday, July 22				
8:30 AM	Breakfast on second floor landing of Northwest Building			
9:00	Shuttle bus departs Northwest Building			
10:15	Wingaersheek Beach http://gloucester-ma.gov/index.aspx?nid=299			
12:45 PM	Depart beach for boat dock			
1:00	Pick-up sandwiches			
1:30	7Seas Whale Watch, Gloucester, MA http://gloucester.7seaswhalewatch.com/			
6:30	Depart Gloucester			
7:00	Closing Dinner at Woodman's, Essex, MA http://www.woodmans.com/			





Saturday, July 19	Northwest Building, B103, 52 Oxford Street, Cambridge, MA 02138		
9:15 AM		Charles Weitz Robert Henry Pfeiffer Professor of Neurobiology, Harvard Medical School A Molecular Basis for Specificity in the Mammalian Circadian Clock Feedback Loop	
4:15 PM		Stefan Lichtenthaler Professor of Neuroproteomics (Chair), Technische Universität München Neuroproteomics and Neurodegeneration: Substrates and Functions of Alzheimer Secretases	
Sunday, July 20	Northwest B	uilding, B103, 52 Oxford Street, Cambridge, MA 02138	
9:00 AM		Sandeep Robert Datta Assistant Professor of Neurobiology, Harvard Medical School Modularity and Predictability in Naturalistic Behavior	
2:00 PM	S	Marion Subklewe Department of Internal Medicine, LMU Dendritic Cell Vaccination in Cancer Immunotherapy: From Biology to Translational Medicine	
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9:45 AM		Jacob Hooker Assistant Professor of Radiology, Harvard Medical School Imaging and Quantification of Chemistry in the Brain; From Synthesis Methods to Studies in Man	
2:00 PM	(	Wolfgang Enard Professor of Anthropology and Human Genetics (Chair), LMU Mouse Models for Human Brain Evolution	
5:00 PM	Contraction of the second seco	Benedikt Grothe Professor of Neurobiology (Chair), LMU Evolution of Spatial Hearing	