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Developmental Neurophysiology
Center for Molecular Neurobiology (ZMNH)
University Medical Center-Eppendorf (UKE)

Venue:

Erikahaus ●

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Kick-off Symposium

March 6 - 7, 2014

University Medical Center Hamburg-Eppendorf

Erikahaus
Martinistr. 52
20246 Hamburg

Sponsored by:



Deutsche Forschungsgemeinschaft

Thursday, March 6th 2014

11.30-12.45	Get-together & Lunch
12.45-13.00	Welcome and introductory remarks Katarina Timofeev and Jan Kunze , <i>DFG Bonn</i> Ileana Hanganu-Opatz , <i>Hamburg</i>
	First speaker session Chair: Andreas Engel , <i>Hamburg</i>
13.00-13.45	Euisik Yoon , <i>University of Michigan</i> Development of Neural Probes for Chronic Electrical Recording and Optical Stimulation: Present and Future
13.45-14.30	Marie Carlèn , <i>Karolinska Institute Stockholm</i> Cortical parvalbumin interneurons - connectivity and function
14.30-15.15	Patrick Hsu , <i>Broad Institute of MIT and Harvard</i> Genome Engineering: Technologies and Applications
15.15-15.45	Coffee Break
	Second speaker session Chair: Wolfgang Krautschneider , <i>Hamburg</i>
15.45-16.30	Toemme Noesselt , <i>Otto-von-Guericke-Universität Magdeburg</i> Investigating functional cortico-cortical connections in the human brain
16.30-17.15	Gustavo Deco , <i>Universitat Pompeu Fabra Barcelona</i> The Human Connectome: Linking Structure and Function
17.15-18.00	Richard Hahnloser , <i>ETH Zürich</i> New approaches to vocal communication and learning in birds
19.00	Dinner (Speakers and Pls) - Restaurant „La Vela“ Große Elbstraße 27, 22767 Hamburg, Phone +49 40 386 993 93 (http://www.la-vela.de)
	Student get-together - tba

Friday, March 7th 2014

09.00-09.20	Presentation project Diester - Buchholz - Monyer - Fries Cell-type specific optogenetic manipulation for characterizing the role of inhibitory interneurons in motor cortex of non-transgenic animals Speaker: Ilka Diester
09.20-09.40	Presentation project Hanganu-Opatz - Hegemann - Oertner - Denker Optogenetic dissection of the developing prefrontal-hippocampal circuitry that gates mnemonic and executive maturation Speaker: Ileana Hanganu-Opatz
09.40-10.00	Presentation project Sigurdsson - Röper - Duvarci - Schneider Dopamine function in working memory networks and its dysfunction in a mouse model of schizophrenia Speaker: Sevil Duvarci
10.00-10.20	Presentation project Hahn - Kelsch - Durstewitz Network dynamics and computational mechanisms of rule learning Speaker: Daniel Durstewitz

10.20-10.40	Presentation project Herrmann - Engel - Wolters Causal role of brain oscillations in perception: modulation of network dynamics by transcranial alternating current stimulation Speaker: Christoph Herrmann
10.40-11.00	Presentation project Kreiter - Ernst - Lang Interareal phase coherence as a mechanism for attention-dependent neuronal signal routing: A model-guided causal analysis using new, multi-contact floating silicon probes for intracortical chronic stimulation and recording in primates Speaker: Andreas Kreiter
11.00-11.20	Coffee Break
11.20-11.40	Presentation project Holthoff - Kirmse - Hübner - Kiebel Developmental significance of GABAergic depolarization for the functional maturation of the primary visual cortex Speaker: Knut Holthoff
11.40-12.00	Presentation project Paulus - Logothetis - Obermayer Causal relations among systems states and behavior in primate memory: A TACS perturbation approach Speaker: Nikos Logothetis
12.00-12.20	Presentation project Jancke - Herlitze - König The influence of serotonergic signaling on visual and somatosensory cortical processing and its relevance for motor behavior Speaker: Stefan Herlitze
12.20-12.40	Presentation project Isbrandt - Sirota - Krautschneider High-resolution characterization of functional connectivity and behavior in healthy and transgenic mice from the neonatal period through adulthood Speaker: Dirk Isbrandt
12.40-13.00	Presentation project Marshall - Schweikard - Ponomarenko Weak electric current stimulation and optogenetics to investigate sleep-dependent memory consolidation and ensemble reactivation Speaker: Lisa Marshall
13.00-13.20	Presentation project Ohl - Grün - Schmidt Causative mechanisms of mesoscopic activity patterns in auditory category discrimination Speaker: Frank Ohl
13.20-14.15	Lunch
14.15-16.30	Networking session, Chair: Ileana Hanganu-Opatz
16.30-17.00	Coffee Break
17.00-18.30	PI internal meeting, Chair: Ileana Hanganu-Opatz
	Student meeting, Chairs: Sebastian Bitzenhofer and Joachim Ahlbeck
18.30-19.00	Concluding remarks, Ileana Hanganu-Opatz
20.00	Dinner - Restaurant „Eppo“ Martinistr. 72, 20251 Hamburg, Phone: +49 40 570 150 285 (http://hotel-hamburg-eppendorf.dorint.com/de/restaurants)