

Tuesday, May 31, 2016

9.00-12.00	<b>Project presentations</b>
12.00-13.00	<b>Lunch</b>
13.00-14.00	<b>Decision</b>  <i>Reviewers</i> Kenji Tanaka Ko Matsui Masahiro Ohgidani Frank Kirchhoff Christine Rose Michael Wegner  <i>Special Observer</i> Kazuhiro Ikenaka

### Executive Supervisors



Japan: Kazuhiro Ikenaka



Germany: Frank Kirchhoff



## Japanese-German YoungGlia collaborative meeting for mutual research exchange

Homburg | May 29 - 31, 2016



Venue:

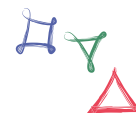
Center for Integrative Physiology and Molecular Medicine  
CIPMM | Auditorium

University of Saarland | Medical School  
Building 48 | 66421 Homburg

## Sunday, May 29, 2016

14.00-14.10	<b>Opening Remarks</b> Kazuhiro Ikenaka/Frank Kirchhoff
14.10-14.25	<b>Kunimichi Suzuki</b> <i>Department of Neurophysiology, School of Medicine, Keio University Tokyo</i> Analysis of extracellular environments assembled by neurons and glial cells: specialized niches recognized by complements for the synapse pruning by microglia
14.25-14.40	<b>Weilun Sun</b> <i>Department of Molecular Neuroplasticity, German Center for Neurodegenerative Diseases (DZNE), Magdeburg</i> Enzymatic digestion of extracellular matrix modulates cortical microglia activation in the 5xFAD mouse model of Alzheimer's disease
14.40-14.55	<b>Yuka Kasahara</b> <i>Laboratory of Chemical Pharmacology, School of Pharmaceutical Sciences, University of Tokyo</i> Role of glial cells (microglia, astrocytes) in the development of dentate neural circuits
14.55-15.15	<b>Prof. Kei Ito</b> <i>Institute of Molecular and Cellular Biosciences, University of Tokyo</i> Understanding glial classification and function in the Drosophila brain
15.15-15.30	<b>Coffee break</b>
15.30-15.45	<b>Markus Sack</b> <i>Central Institute of Mental Health, Medical Faculty Mannheim, University of Heidelberg</i> Magnetic Resonance Imaging and Spectroscopy: Insights into Brain Structure and Biochemistry
15.45-16.00	<b>Fumiya Izumiseki</b> <i>Department of Neuropsychiatry, School of Medicine, Keio University, Tokyo</i> BDNF role on brain size
16.00-16.15	<b>Julia Müller</b> <i>Institute of Cellular Neurosciences, University Bonn</i> Astrocytic changes in kainate induced epileptogenesis
16.15-16.35	<b>Prof. Masanori Tachikawa</b> <i>Tohoku University</i> Application of advanced quantitative proteomics to the human brain barrier research

16.35-16.50	<b>Coffee break</b>
16.50-17.05	<b>Hideyuki Nakashima</b> <i>Department of Stem Cell Biology and Medicine Faculty of Medical Sciences, Kyushu University</i> Identification of neuronal function-impairing factors secreted by MeCP2/miR-199a deficient astrocytes
17.05-17.20	<b>Antonia Beiersdorf</b> <i>Division of Neurophysiology, University of Hamburg</i> Panglial calcium signalling in the olfactory bulb
17.20-17.35	<b>Koichiro Harukawa</b> <i>Division of Homeostatic Development, National Institute of Physiological Sciences, Okazaki</i> Systemic immune condition dependent modification of neural activity
17.35-17.55	<b>Prof. Masahiro Ohgidani</b> <i>Kyushu University</i> Translational research focusing on microglia using monocyte induced microglia-like cells
17.55-19.00	<b>Time for Hotel Check-In</b>
19.00	<b>Dinner</b>



## Monday, May 30, 2016

9.00-9.15	<b>Anke Müller</b> <i>Institute for Pharmacology and Toxicology, Otto-von-Guericke University Magdeburg</i> Unraveling astrocytic proteome dynamics in a neuron-glia network
9.15-9.30	<b>Hiroshi Horiuchi</b> <i>Division of Homeostatic Development, National Institute of Physiological Sciences, Okazaki</i> The functional analysis for astrocytic heterogeneity in motor learning
9.30-9.45	<b>Andrea Trevisiol</b> <i>Neurogenetics Department, Max-Planck-Institute of Experimental Medicine, Göttingen</i> Real-time imaging using novel ATP-reporter mouse allows to study metabolic axon-glia interaction in white matter

9.45-10.05	<b>Prof. Kazunori Kanemaru</b> <i>University of Tokyo</i> Calcium imaging method using YC-Nano50 for the visualization of subtle and local activity of astrocytes in vivo
10.05-10.20	<b>Coffee break</b>
10.20-10.40	<b>Prof. Michael Wegner</b> <i>University of Erlangen</i> Genetic control of myelin biology
10.40-10.55	<b>Chie Hayaki</b> <i>Department of Neuropsychiatry, School of Medicine, Kyushu University</i> Cross cultural study on glial function: comparison between chronic widespread pain and chronic localized pain
10.55-11.10	<b>Yvonne Schwarz</b> <i>Molecular Neurophysiology, University of Saarland, Homburg</i> v-SNARE proteins in astrocytic function and heterogeneity
11.10-11.25	<b>Kazuki Sato</b> <i>Membrane Transport and Drug Targeting Laboratory, School of Medicine, Tohoku University</i> Application of quantitative global and targeted proteomics to glial research in CNS diseases
11.30-12.15	<b>Prof. Marie-Eve Tremblay</b> <i>Department of Molecular Medicine, University Laval, Quebec/Canada</i> Microglial interactions with astrocytes in health and disease
12.15-13.15	<b>Lunch</b>
13.15-13.30	<b>Xianshu Bai</b> <i>Molecular Physiology, University of Saarland, Homburg</i> In vivo imaging of glial cells after acute brain injury
13.30-13.45	<b>Jaime Eugenin</b> <i>Dept. Physiological Genomics, Ludwig-Maximilians-University Munich</i> The plastic NG2-glia in the plastic adult brain
13.45-16.30	<b>Hiking Tour</b> (to be used for informal discussions, during the hiking tour different putative partners can be approached)
16.30-18.30	<b>Preparations of project proposals</b>
18.30-19.30	<b>Dinner</b>
19.30-21.30	<b>Preparations of project proposals</b>

