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Day 1 - Sunday 18 March 2018

Time	Speaker
11.30 - 13.15	Registration and Lunch
13.15 - 13.30	Opening remarks
13.30 - 14.30	Keynote Lecture Nature and nurture of microglia identity and function Christopher K. Glass - <i>University of California, San Diego, USA</i>
Session 1: Ontogeny and Diversity Chair: Amanda Sierra	
14.30 - 15.00	Understand Microglia Ontogeny Florent Ginhoux - <i>Singapore Immunology Network (SIGN), Agency for Science, Technology and Research (A*STAR), Singapore</i>
15.00 - 15.30	Genetic analysis of glial development and function in zebrafish William S. Talbot - <i>Stanford University, United States of America</i>
15.30 - 16.00	Coffee Break and meet the speakers
16.00 - 16.30	Microglia state changes during development and disease Beth Stevens - <i>Boston Children's Hospital, United States of America</i>
16.30 - 17.00	Regulation of Brain Macrophage Development Melanie Greter - <i>University of Zurich, Switzerland</i>
17.00 - 17.15	A combination of ontogeny and CNS environment establishes microglial identity Chris Benett - <i>Stanford University, United States of America</i>
17.15 - 17.30	BM-derived parenchymal brain macrophages differ from microglia in transcriptome, epigenome and responsiveness to challenge Steffen Jung - <i>Weizmann Institute of Science, Israel</i>
17.30 - 17.45	Zebrafish adult, but not embryonic microglia derive from c-myb dependent hematopoietic progenitors Valerie Wittamer - <i>Universite Libre de Bruxelles (ULB), Belgium</i>
17.45 - 18.00	Microglia-myelinogenic and neuroprotective cells in the CNS Agnieszka Wlodarczyk - <i>Institute for Molecular Medicine, University of Southern Denmark, Denmark</i>
18.00	Dinner
19.00	Bus leaves for Walking Tour downtown Heidelberg Bus leaves for conference bus stops

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Day 2 - Monday 19 March 2018

Time	Speaker
Session 2: Microglia Physiology Chair: David Atwell	
09.00 - 09.30	How do microglia and astrocytes coordinate synapse elimination during development? Mariko Bennett - <i>Stanford University, United States of America</i>
09.30 - 09.45	Cerebellar microglia are dynamically unique and survey Purkinje neurons in vivo Rianne Stowell - <i>University of Rochester, United States of America</i>
09.45 - 10.00	Defective cholesterol clearance limits remyelination in the aged central nervous system Ludovico Cantuti-Castelvetri - <i>German Center for Neurodegenerative Disease Research (DZNE), Germany</i>
10.00 - 10.30	Microglial ITAM/ITIM-signaling receptors for maintenance of the immune homeostasis in the brain Harald Neumann - <i>University of Bonn, Germany</i>
10.30 - 11.00	Coffee Break and meet the speakers
11.00 - 11.15	Inflammatory microglia mediate early synapse loss in multiple models of multiple sclerosis Sebastian Werneburg - <i>University of Massachusetts Medical School, United States of America</i>
11.15 - 11.30	Deficiency of Progranulin (PGRN) results in accelerated prion diseases Caihong Zhu - <i>Institute of Neuropathology, Switzerland</i>
11.30 - 11.45	Neuroprotective microglia and neurotoxic monocytes in epilepsy Long-Jun Wu - <i>Mayo Clinic, United States of America</i>
11.45 - 12.00	Catatonias - starting to understand mechanisms involving myelin Hana Janova - <i>Max Planck Institute of Experimental Medicine, Germany</i>
12.00 - 13.30	Lunch
12.30 - 13.30	Panel Discussion - Let's mingle with Industry
Session 3: Microglia and the synapse Chair: Marco Prinz	
13.30 - 14.00	Microglia-induced Cortical Synapses in Development Junichi Nabekura - <i>National Institute for Physiological Sciences, Japan</i>
14.00 - 14.30	Molecular dissection of activity-dependent microglial function within neural circuits Dorothy P. Schafer - <i>University of Massachusetts Medical School, United States of America</i>

Time	Speaker
14.30 - 15.00	Do microglia really eat synapses? Cornelius Gross - <i>EMBL Rome, Italy</i>
15.00 - 15.30	Coffee Break and meet the speakers
15.30 - 16.00	Microglial cells regulate the functional maturation of cortical circuits during postnatal development Etienne Audinat - <i>University of Montpellier, France</i>
16.00 - 16.15	Tau pathology induced synapse labeling by C1q leads to removal of synapses by microglia Borislav Dejanovic - <i>Genentech, United States of America</i>
16.15 - 16.30	Brain hyperthermia activates microglia to engulf inhibitory synapses in epilepsy Ryuta Koyama - <i>The University of Tokyo, Japan</i>
16.30 - 17.00	Flash Talks: #43 S. Acharjee, #61 C. Chhatbar, #87 J. Hua, #127 B. Pinto, #133 D. Ragozzino, #167 R. von Bernhardi, # 171 P. West, #173 Y. Xu
17.00 - 19.00	Poster Session 1 - Odd numbers
19.00 - 21.00	Dinner
21.00 - 23.00	Get together with live music

Day 3 - Tuesday 20 March 2018

Time	Speaker
Session 4: Microglia and Other Cells Chair: Staci Bilbo	
09.00 - 09.30	Microglia and prenatal inflammation in the early wiring of cortical circuits Sonia Garel - <i>Institut de Biologie de l'ENS (IBENS), France</i>
09.30 - 10.00	Towards a dynamic quantitative understanding of how microglia keep the brain clean Francesca Peri - <i>University of Zürich, Switzerland</i>
10.00 - 10.30	Factors regulating the function of microglia Marco Prinz - <i>University of Freiburg, Germany</i>
10.30 - 11.00	Coffee Break and meet the speakers
11.00 - 11.15	Peripheral macrophage control of microglia during CNS injury Andrew Greenhalgh - <i>INRA, University of Bordeaux, France</i>
11.15 - 11.30	Glioma-induced inhibition of caspase-3 in microglia promotes a tumor-supportive phenotype Bertrand Joseph - <i>Karolinska Institutet, Sweden</i>
11.30 - 11.45	Tumor initiating cells induce Cxcr4 mediated infiltration of pro-tumoral macrophages into the brain Dirk Sieger - <i>University of Edinburgh, United Kingdom</i>
11.45 - 12.00	Early Maternal Stress Alters Microglia Responsiveness to Activation and Impacts Striatal Circuit Function and Behaviors Lindsay Hayes - <i>Johns Hopkins University, United States of America</i>
12.00 - 13.30	Lunch
12.30 - 13.30	Panel discussion - Meet the Editors
Session 5: Neurodegeneration/Psychiatric Disorders Chair: Sonia Garel	
13.30 - 14.00	Microglial Transcriptomes: Foundations for Progress Richard Ransohoff - <i>Third Rock Ventures, United States of America</i>
14.00 - 14.30	Microglial elimination of dopamine receptors defines sex-specific nucleus accumbens development and social behavior during adolescence Staci Bilbo - <i>MassGeneral Hospital for Children, USA</i>
14.30 - 15.00	Microglial phagocytosis: from neurogenesis to neurodegeneration Amanda Sierra - <i>Ikerbasque, Basque Foundation for Science, Spain</i>
15.00 - 15.30	Coffee Break and meet the speakers
15.30 - 15.45	A somatic mutation in erythro-myeloid progenitors causes neurodegenerative disease Elvira Mass - <i>LIMES Institute, University of Bonn, Germany</i>
15.45 - 16.00	Microglial memory of peripheral inflammation shapes neurological disease Jonas Neher - <i>German Centre for Neurodegenerative Diseases (DZNE), Germany</i>
16.00 - 16.15	Loss of microglial TDP-43 induces alteration in cytokine expression and loss of synapses, associated with motor deficits in mice Rosa C. Paolicelli - <i>University of Zurich, Switzerland</i>
16.15 - 16.30	Microglia drives sickness behavior and social behavior through Serotonin 2B receptors. Implication for susceptibility to depression? Anne Roumier - <i>Institut du Fer à Moulin, France</i>
16.30 - 17.00	Flash Talks: #66 A. Denes, #74 R. Gaspar, #80 L. Herrgen, #98 H. Kontinen, #100 J. Kotah, #120 M. Mizze, #128 S. Garofalo, #140 J. Rosin
17.00 - 19.00	Poster Session 2 - Even numbers
19.00 - 21.00	Conference Dinner
21.00 - 00.00	Conference Party

Day 4 - Wednesday 21 March 2018

Time	Speaker
Session 6: New Ways to study Microglia Chair: Cornelius Gross	
09.00 - 09.30	Dish Microglia: Towards Synthetic Models of Human Neuro-Immune Interactions Julien Muffat - <i>The Hospital for Sick Children, Canada</i>
09.30 - 09.45	Diverse Requirements for Microglial Survival, Specification, and Function Revealed by Defined-Medium Cultures Christopher Bohlen - <i>Genentech, United States of America</i>
09.45 - 10.00	New tools to study microglial self-renewal, clonal expansion and network re-organization Tuan Leng Tay - <i>University of Freiburg, Germany</i>
10.00 - 10.15	Modelling neurodegenerative disease in human iPSC microglia neuronal-co-culture systems Walther Hänseler - <i>University of Zurich, Switzerland</i>
10.15 - 10.45	Coffee Break and meet the speakers
10.45 - 11.15	Ben Barres Young Speaker Prize and Poster Prizes
11.15 - 12.15	Keynote Lecture Microglial membrane control of motility, Ca²⁺ signalling, immune function and vascular function David Attwell - <i>University College London, United Kingdom</i>
12.15 - 12.30	Closing Remarks
12.30 - 13.00	Packed Lunch and departure
13.00	Departure - Bus leaving to Frankfurt International Airport - Separate bus leaving for downtown