New Developments in Microglial Research

September 20 – 21, 2018

SyNergy
Munich Cluster for Systems Neurology

Thursday, September 20, 2018

14:00 – 16:00	**Session I (talk 1 - 4)**
14:00 – 14:20	**Alexander Mildner** (Forschungsschwerpunkt Krebsforschung/ Forschungsgruppe Zelldifferenzierung und Tumorigenese, MDC Berlin) ***Insights into the maintenance and dynamics of microglia***
14:20 – 14:40	**Michael Sieweke** (Max Delbrück Center for Molecular Medicine, MDC Berlin) ***Self-renewal and maturation of microglia***
14:40 – 15:00	**Olga Garaschuk** (Institute of Physiology, Hertie-Institut für klinische Hirnforschung, Tübingen) ***Understanding the role of in vivo Ca2+ signals in microglia***
15:00 – 15:20	**Martin Korte** (Zoologisches Institut, TU Braunschweig) ***Long-term effects of immunostimulation on synaptic plasticity and microglia activations***
15:20 – 16:20	**Poster Session and Coffee Break**
16:20 – 17:40	**Session II (talk 5 - 8)**
16:20 – 16:40	**Jonas Neher** (Zellbiologie Neurologischer Erkrankungen, Hirnforschung, Tübingen) ***Epigenetic microglial reprogramming alters neurological disease***
16:40 – 17:00	**Ari Waismann** (Institut für Molekulare Medizin Mainz, Mainz) ***The role of microglia in CNS inflammation***
17:00 – 17:20	**Mikael Simons** (Cellular Neuroscience, Max-Planck-Institute for Experimental Medicine, Göttingen) ***Functions of microglia in remyelination***
17:20 – 17:40	**Matthias Endres** (Klinik und Poliklinik für Neurologie, Charité - Universitätsmedizin Berlin, Campus Mitte, Berlin) ***Microglia and stroke***
17:40 – 18:00	**Coffee Break**
18:00 – 19:00	Ido Amit

Friday, September 21, 2018

9:00 – 11:00	**Session III (talk 9 - 13)**
9:00 – 9:20	**Frank Heppner** (Institut für Neuropatholgie, Charité - Universitätsmedizin Berlin, Berlin) ***Microglial actions and phenotypes in neurodegeneration***
9:20 – 9:40	**Michael Thomas Heneka** (Klinische Neurowissenschaften, Universität Bonn, Klinik und Poliklinik für Neurologie, Bonn) ***Central and peripheral immune processes as drivers of Alzheimer's disease***
9:40 – 10:00	**Christian Haass** (Stoffwechselbiochemie, Biomedizinisches Centrum, Ludwig-Maximilians-Universität München) ***TREM2 dysfunction in neurodegenerative diseases***
10:00 – 10:20	**Ingo Bechmann** (Institute of Anatomy, Universität Leipzig, Leipzig) ***Microglial aging***
10:20 – 10:40	**Helmut Kettenmann** (Zelluläre Neurowissenschaften, Max-Delbrück Centrum für Molekulare Medizin, Berlin) Features of microglial activation
10:40 – 11:30	**Poster Session and Coffee Break**
11:30 - 13:30	**Session IV (talk 13 - 18)**

11:30 – 11:50	**Björn Spittau** (Molecular Embryology, Universität Freiburg, Freiburg) ***TGF-beta-mediated regulation of microglia activation and maturation***
11:50 – 12:10	**Knut Biber** (AbbVie Deutschland GmbH & Co. KG, Ludwigshafen) ***The role of microglia in stress-induced depressive-like behavior***
12:10 – 12:30	**Georg Juckel** (Westfäl. Zentrum f. Psychiatrie, Psychotherapie + Psychosomat, Klinik der Ruhr-Universität Bochum, Bochum) ***Microglia activation in the PolyI:C model of schizophrenia*** (am Freitag, 21.9.)
12:30 – 12:50	**Josef Priller** (Abteilung für Neuropsychiatrie, Charité - Universitätsmedizin Berlin, Berlin) ***Heterogeneity of CNS myeloid cells and their roles in neuropsychiatric diseases***
12:50 – 13:10	**Thomas Langmann** (Experimentelle Immunologie des Auges, Uniklinik Köln, Köln) ***Therapetical modulation of microglia controls vision loss***
13:10 – 14:30	**Lunch / Strategic Discussion**