

BMFZ MEETING IN DÜSSELDORF
December 4/5, 2014

“Brain networks – challenges and perspectives”

December 4, 2014

14.00 h	Welcome	Anja Steinbeck, Rector, Düsseldorf
Session I		Chair: Katrin Amunts
14.15 h	The Human Brain Project	Henry Markram, Lausanne, Switzerland
15.00 h	Development of cortical networks	Heiko Luhmann, Mainz
15.30 h	High-resolution imaging of cortical circuitry in vivo	Mark Huebener, Martinsried
16.00 h	Coffee Break	
Session II		Chair: Alfons Schnitzler
16.30 h	Temporal coordination through gamma oscillations	Pascal Fries, Frankfurt
17.00 h	Disease-related disruption of functional communication within developing networks	Ileana Hanganu-Opatz, Hamburg
17.30 h	Networks of memory formation	Nikolai Axmacher, Bonn
18.15 h	Public lecture: Gehirn und Musik - die Kunst der Vernetzung	Eckart Altenmüller, Hannover
19.30 h	Speakers´ Dinner	

December 5, 2014

Session III		Chair: Christine Rose
9.00 h	Astrocyte networks	Alexei Verkhratsky, Manchester, UK
9.45 h	Reconstructing cortical connectomics	Moritz Helmstaedter, Frankfurt
10.15 h	Multiscale human brain atlas	Katrin Amunts, Düsseldorf
10.45 h	Coffee Break	
11.15 h	Hadding award ceremony	Peter Westhoff, Vice Rector for Research, Düsseldorf
Session IV		Chair: Hans Werner Müller
11.30 h	Non-invasive structural connectomics	Thomas Knösche, Leipzig
12.00 h	Functional connectomics from resting-state fMRI	Simon Eickhoff, Düsseldorf
12.30 h	Computational network modeling	Markus Diesmann, Jülich
13.00 h	Closing remarks	Alfons Schnitzler, Düsseldorf

Location Haus der Universität, Schadowplatz 14, 40212 Düsseldorf
Time December 4, 2014: 14.00 - 19.00 h; December 5: 9.00 – 13.00 h
Program Committee Alfons Schnitzler (Chair), Gudio Reifenberger, Christine Rose, Katrin Amunts, Hans Werner Müller, Kurt Gottmann, Simon Eickhoff
Organisation Cornelia Höner

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www.BMFZ.de (see BMFZ-Meeting 2014)