

Workshop

Friday, Dec 15

2:00 – 3:00 pm	Registration		
3:00 – 3:25	Introduction	Daniel Margulies	Welcome & Introductions
3:25 – 3:50		Satra Ghosh	The Brain Cartographer's Quandary
3:50 – 4:15		Nikolaus Weiskopf	Characterizing Brain Microstructure Using MRI - Towards In-Vivo Histology
4:15 – 4:35	Break		
4:35 – 5:00	Cortical structure	Simon Eickhoff	Multi-modal Cartography: Towards Understanding Regional Brain Organization
5:00 – 5:25		Alexandros Goulas	A common blueprint of mammalian cortical connectomes
5:25 – 5:50		Guillaume Auzias	Model-driven parcellation of the cortical surface
5:50 – 6:10	Coffee break		
6:10 – 6:35		Roberto Toro	Morphogenesis of neocortical connectivity
6:35 – 7:00		Fenna Krienen	Genetic contributions to neocortical specialization: novel insights from single cell transcriptomics of the primate brain
7:00 – 7:25		Robert Turner	Mechanistic Models and In Vivo Neuroanatomy
7:25 – 8:30	Christmas Market		
8:30 –	Dinner		

Saturday, Dec 16

9:00 – 9:25 am	Clinical perspectives	Xavier Castellanos	How Deep is the Bedrock? Optimistic Perspectives on the Long-awaited Emergence of Psychiatrically Relevant Neuroscience
9:25 – 9:50		Christine Ecker	The intrinsic grey matter connectivity of the brain in ASD – Estimating local and global wiring costs via geodesic distance mapping
9:50 – 10:15		Seok-Jun Hong	Atypical functional connectome gradient and hierarchy disruption in autism
10:15 – 10:40		Danilo Bzdok	Statistical regimes in 21st century neuroscience
10:40 – 11:05		Parashkev Nachev	Lost in Translation
10:10 – 11:30	Coffee break		
11:30 – 11:55	Multimodal anatomy	Konrad Wagstyl	Gradients of cortical structure: linking micro to macro
11:55 – 12:20 pm		Sean Froudust-Walsh	Linking gradients of cortical microstructure to plasticity and cognition
12:20 – 12:45		Ting Xu	Monkey parcellation and hyperalignment
12:45 – 1:30	Lunch		
1:30 – 1:55	Structural connectivity	Michel Thiebaut de Schotten	Functional and structural gradients in the brain
1:55 – 2:20		Alfred Anwander	TBA
2:20 – 2:45		Claude Bajada	From medial to lateral: gradients of the temporal lobe
2:45 – 3:10		Selen Atasoy	Harmonic Language of Large-scale Brain Dynamics
3:10 – 3:30	Coffee break		
3:30 – 3:55	Function	Jonny Smallwood	Large scale gradients and the organisation of cognition
3:55 – 4:20		Beth Jefferies	Gradients in relation to semantic cognition
4:20 – 4:55		Alex Huth	The cortical interface between vision and language
4:55 – 5:05	Break		
5:05 – 5:30		Biyu He	Learning to see: Prior experience impacts visual processing across the cortical hierarchy
5:30 – 5:55		Tomas Knapen	Mapping the dark side: retinotopic organization in the default mode network
5:55 – 6:20		Marijn Kroes	Memory flexibility within hierarchical neural systems
6:20 – 6:30	Break		
6:30 – 7:00	Film	Noah Hutton	Film screening
7:30 –	Dinner		

Sunday, Dec 17

9:30 – 9:55 am	Network organization	Marcel Falkiewicz	How many networks are there in the brain?
9:55 – 10:20		Rodrigo Braga	Parallel interdigitated distributed networks characterized within the individual
10:20 – 10:45		Janine Bijsterbosch	Is functional connectivity driven by spatial variability?
10:45 – 11:00	Coffee break		
11:00 – 11:25	Dynamics & States	John Griffiths	The spherical harmonic structure of the human connectome
11:25 – 11:50		Diego Vidaurre	Temporal Structure of Dynamic Brain Networks
11:50 – 12:15 pm		Andrew Quinn	Estimating brain networks in the frequency domain
12:15 – 1:30	Lunch		
1:30 – 1:55	Methods	Koen Haak	Connectopic mapping with resting state fMRI
1:55 – 2:20		Georg Langs	Mapping the development and variability of functional brain architecture with embedding approaches
2:20 – 2:45		Gabriele Lohmann	Large – scale network detection using TED
2:45 – 3:10		Johannes Steltzer	Network detection at 9.4T using TED
3:10 – 3:30	Coffee break		
3:30 – 3:55		Pierre-Louis Bazin	A bigger brain? how 7T MRI refines and expands our view of the human brain
3:55 – 4:20		Julia Huntenburg	Gradients in cortical microstructure and connectivity
4:20 – 4:55		Matt Hutchison	Function follows form: The influence of the anatomical substrate on imaging measurements
4:55 – 5:20		Michael Hanke	Datalad
5:20 – 5:45		Chris Gorgolewski	Towards open and reproducible neuroscience in the age of big data
5:45 – 6:00	Wrap-up		
7:00 –	Informal dinner (optional)		
10:00 –	Informal karaoke (mandatory)		