

8:30 - 9:00 Registration & Coffee

9:00 - 9:15 Welcome

9:15 - 10:45 Methods and multimodal applications Chairs: Sofie Valk and Jessica Royer

Geometric principles shaping the brain's structure and function James Pang, Monash University, Australia

Optical flow for capturing hierarchical cortical activity propagations Adam Pines, Stanford University, USA

Comparison of Different Group-Level Templates in Gradient-Based Multimodal Connectivity Analysis

Sunghun Kim, Korea University, South Korea

Stimulation mapping and whole-brain modeling reveal gradients of excitability and recurrence in cortex Davide Momi, Stanford University, USA

Panel discussion

10:45 - 11:00	Coffee break
11:00 - 12:15	Hippocampus and subcortex Chairs: Boris Bernhardt and Seok-Jun Hong

Multiscale cartography of human hippocampal organization Alexander Ngo, McGill University, Canada

The role of hippocampal travelling waves in shaping cortical activity *Anna Behler, University of Newcastle, Australia*

Towards a unification of the multiscale nature of human brain activity and cognitive function

Giulia Baracchini, University of Sydney, Australia

Panel discussion

12:15 - 13:15	Lunch break
13:15 - 13:30	Flash Talks
	Intrinsic cortical geometry captures individual differences in local functional organization Francesco Alberti, Université Paris Cité, France
	Only a matter of time: developmental heterochronicity captures properties of the human connectome Stuart Oldham, Murdoch Children's Research Institute, Australia
	Cerebellar growth trajectories are associated with cerebral maturation and behavioral outcomes in a domain-specific way Katerina Manoli, Max Planck Institute for Human Cognitive and Brain Sciences, Germany
13:30 - 14:45	Clinical and translational perspectives Chairs: Bo-yong Park and Tamara Vanderwal
	Gradients and brain surgery Sara Larivière, Université de Sherbrooke, Canada
	Aging, genetic, and inflammatory underpinnings of altered network architecture of cortical thickness in schizophrenia Bin Wan, University of Geneva, Switzerland
	Development of the sensorimotor- association functional gradient and its dysfunction in depression Mingrui Xia, Beijing Normal University, China
	Panel discussion
14:45 - 15:00	Coffee break
15:00 - 16:15	Cognitive studies Chairs: Daniel Margulies and Beth Jefferies
	Developmental Variations in Recurrent Cortical Spatiotemporal Brain Propagations in Youth Kyoungseob Byeon, Child Mind Institute, USA
	Local orchestration of distributed functional patterns supporting loss and restoration of consciousness Andrea Luppi, University of Cambridge, United Kingdom
	Axes of Hierarchical Brain Development

Audrey Luo, University of Pennsylvania, USA

Panel discussion

16:15 - 16:45	Closing comments
16:45 - 17:00	Transition
17:00 - 18:30	Poster session and cocktail