

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
	Integrated Effective Connectivity Reveals Sensory-Fugal Hierarchy in the

Integrated Effective Connectivity Reveals Sensory-Fugal Hierarchy in the Human Brain

Younghyun Oh, Sungkyunkwan University, Korea

Multiparametric mapping of superficial white matter architecture using 7T quantitative MRI

Youngeun Hwang and Raul Rodriguez-Cruces, McGill University, Canada

Biologically annotated brain connectomes Vincent Bazinet, McGill University, Canada

Mapping White Matter Tracts to NeuroSynth Cognitive Functions Joelle Bagautdinova, University of Pennsylvania, USA

Panel discussion

10:45 - 11:00	Coffee break
	Gradients beyond the neocortex Chairs: Boris Bernhardt and Shinwon Park

Striatal connectivity gradients map onto cortico-striatal and dopaminergic projections across health and disease

Marianne Oldehinkel, Radboud University, Netherlands

Statistical mapping of cortico-subcortical gradients using geometric eigenmodes

Nikitas Koussis, University of Newcastle, Australia

Task-general connectivity model reveals variation in convergence of
cortical input to cerebellum

Maedbh King, Massachusetts Institute of Technology, USA

Panel discussion

12:15 - 13:15	Lunch break
13:15 - 13:30	Flash Talks
	TBD
	TBD
	TBD
13:30 - 14:45	Gradients and artificial intelligence Chairs: Bo-yong Park and Seok-Jun Hong
	GAN-MAT: Generative Adversarial Network-based Microstructural Profile Covariance Analysis Toolbox Yeong Jun Park, Sungkyunkwan University, Korea
	Title TBD Amin Saberi, Max Planck Institute for Human Cognitive and Brain Sciences, Germany
	Title TBD Mashbayar Tugsbayar, Mila - Quebec Al Institute, Canada
	Panel discussion
14:45 - 15:00	Coffee break
15:00 - 16:15	Gradients for individual phenotyping Chairs: Daniel Margulies and Sara Larivière

Variability in sensory-association axis, evidence from sex- and individual-

differences

Bianca Serio, Max Planck Institute for Human Cognitive and Brain Sciences, Germany

Using a neural state-space to understand cognition and behaviour Samyogita Hardikar, Max Planck Institute for Human Cognitive and Brain Sciences, Germany

Motion Effects in Procrustes Aligned Individual-Level Gradients Leonard Sasse, Institute of Neuroscience and Medicine, Brain and Behaviour (INM-7), Germany

Panel discussion

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

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