# GRADIENTS OF
# BRAIN
# ORGANIZATION

| 8:30 - 9:00 | Registration & Coffee |
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9:00 - 9:15   Welcome

| 9:15 - 10:30 | Methods and multimodal applications<br>Chairs: Sofie Valk and Jessica Royer |
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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

| 10:30 - 10:45 | Coffee break |
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| 10:45 - 12:00 | Gradients beyond the neocortex<br>Chairs: Boris Bernhardt and Shinwon Park |
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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

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| 12:00 - 13:00 | Lunch break |

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| 13:00 - 13:15 | Flash Talks |

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| 13:15 - 14:30 | Gradients and artificial intelligence<br>Chairs: Bo-yong Park and Seok-Jun Hong |

Title TBD
*Young Jun Park, Inha University, Korea*

Title TBD
*Yunzhe Liu, Beijing Normal University, China*

Title TBD
*Mashbayar Tugsbayar, Mila - Quebec AI Institute, Canada*

Panel discussion

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| 14:30 - 14:45 | Coffee break |

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| 14:45 - 16:15 | Gradients for individual phenotyping<br>Chairs: Daniel Margulies and Sara Larivière |

Title TBD
*Bianca Serio,*

Title TBD
*Samyoghita Hardikar,*

Title TBD
*Leonard Sasse,*

Panel discussion

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| 16:15 - 16:45 | Closing comments |

| 16:45 - 17:00 | Transition |
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| 17:00 - 18:30 | Poster session and cocktail |