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**Gradients of Brain Organisation**

**Workshop 2022**

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| 08.30 – 09.00 | Registration |
| 09.00 – 09.10 | Welcome |
| 09.10 – 10.25 | **Methods and modelling** |
|  | *Claude Bajada, University of Malta*  Vogt, Bailey and Bob: exploring local gradients  *Shella Keilholz, Georgia Institute of Technology*  Brain activity propagates along functional connectivity gradients  *Taku Ito, Yale University School of Medicine*  Multi-task representations in human cortex transform along a sensory-to-motor hierarchy  Panel Discussion |
| 10.25 – 10.40 | Coffee break |
| 10.40 – 11.55 | **Gradient neurobiology** |
|  | *Valerie Sydnor, Penn**Lifespan Informatics and Neuroimaging Center*  Developmental plasticity unfolds along a sensorimotor-association gradient  *Julien Vezoli, Ernst Strüngmann Institute*  Anatomical connectivity gradients differentially shape the strength of frequency-specific functional interactions networks  *Kuldeep Kumar, CHU Sainte-Justine Research Centre*  Using organizing principles of the human brain to map genome-wide the effect sizes of gene dosage on cognition  Panel Discussion |
| 11.55 – 12.40 | Lunch Break |
| 12.40 – 12.55 | **Flash talks** |
| 12.55 – 14.10 | **Cognitive and clinical perspectives** |
|  | *Meike Hettwer, MPI Leipzig*  Transdiagnostic gradients capture coordinated cortical thickness alterations across mental disorders  *Jessica Royer, McGill University*  Atypical macroscale organization of cortical microstructure in temporal lobe epilepsy  *Chris Timmermann, Imperial College London*  Functional gradients and DMT  Panel Discussion |
| 14.10 – 14.30 | Closing comments |
| 14.30 - 16.00 | **Poster session** |

**Cambridge, UK**