Studying, Measuring and Altering Consciousness

21 November 2019

Merton College, University of Oxford

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| **8.30-9.00** | **Registration** |
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| **9.00-9.10** | **Welcome**  |
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| **9.10-9.30** | **Aureli-Soria Frisch – Luminous: A study of consciousness in the electrical brain**Starlab Barcelona, [http://starlab.es](http://stalab.es), Barcelona, Spain Email: aureli.soria-frisch@starlab.es |
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| **A person smiling for the camera  Description automatically generated9.30-10.10** | **Keynote Speaker: Anil Seth - “Title TBC”**Professor of Cognitive and Computational Neuroscience and Co-Director, Sackler Centre for Consciousness Science, University of Sussex, UKEmail: A.K.Seth@sussex.ac.uk |
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| **10.10-10.30** | **Athena Demertzi – The ethical imperative of studying Consciousness**GIGA Institute | GIGA Consciousness | Physiology of Cognition Research Lab, University of Liège, Belgium Email: a.demertzi@uliege.be |
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| **10.30-11.00** | **Refreshments** |
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| **11:00-11:20** | **Julien Modolo – Can we use computer models of brain activity to understand how consciousness emerges and vanishes?**Laboratoire Traitement du Signal et de l’Image (Rennes), INSERM / National Institute for Health and Research in Medicine, FranceEmail: julien.modolo@gmail.com |
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| **11.20-12.00** | **Keynote Speaker: Hector Zenil – Algorithmic Complexity and Cognition**Director, Oxford Immune Algorithmics,Oxford; Lab Leader, Algorithmic Dynamics Lab, Center for Molecular Medicine, Karolinska Institute, Stockholm; Head of Group, Algorithmic Nature Lab, LABORES for the Natural and Digital Sciences, Paris.Email: hector.zenil@ox.cs.ac.uk  |
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| **12.00-12.20** | **Giulio Ruffini – KT: an algorithmic information theory of consciousness**Starlab Barcelona, [http://starlab.es](http://stalab.es) and Neuroelectrics, <http://neuroelectrics.com>, Barcelona, SpainEmail: giulio.ruffini@starlab.es |
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| **12.20-12.40** | **Flash talks of submitted Abstracts** |
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| **12.40-1.40** | **Lunch** |

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| **1:40-2:10** | **Keynote Speaker: Claire Sergent** **- From subjective experience to brain activity, and return**Associate Professor, Integrative Neuroscience and Cognition Center, Université Paris Descartes & CNRS, Paris, FranceEmail: claire.sergent@parisdescartes.fr |
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| **2.10-2.30** | **Hubert Preissl – Are there signs for conscious processing in the fetal brain?**MEG Center/Internal Medicine IV/Institute for Diabetes Research and Metabolic Diseases of the Hemholtz Center Munich, University of Tübingen & German Center for Diabetes Research, Tübingen, Germany, <http://preissl-lab.net/>Email: hubert.preissl@uni-tuebingen.de |
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| **A person smiling for the camera  Description automatically generated2:30-3:10** | **Keynote Speaker: Morten Kringlebach – Awakening: predicting perturbation to force** **transitions between different brain states**Associate Professor, Hedonia Group, University of Oxford, UKProfessor of Neuroscience, Aarhus University, DenmarkEmail: morten.kringelbach@queens.ox.ac.uk |
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| **3:10-3:30** | **Silvia Casarotto - Assessing consciousness through cortical perturbations**Department of Biomedical and Clinical Sciences "L. Sacco", University of Milan, ItalyEmail: silvia.casarotto@unimi.it |
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| **3.30-4.00** | **Refreshments** |
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| **4.00-4.20** | **Katie Warnaby – Slow waves and anaesthesia-induced unconsciousness**Wellcome Centre for Integrative Neuroimaging, Nuffield Department of Clinical Neurosciences, University of Oxford, UKEmail: katie.warnaby@ndcn.ox.ac.uk |
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| **4.20-4.40** | **Michael Nitsche - Transcranial electrical stimulation to modulate sleep-dependent processes**Department of Psychology and Neurosciences, Leibniz Research Centre for Working Environment and Human Factors (IFADO), Dortmund, GermanyEmail: nitsche@ifado.de |
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| **4:40-5:00** | **Aurore Thibaut – Non-invasive brain stimulation to promote consciousness in the injured brain**GIGA Institute | GIGA Consciousness | Physiology of Cognition Research Lab, University of Liège, Belgium Email: athibaut@uliege.be |
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| **5.00-5.20** | **Niels Birbaumer – Brain Computer Interfaces in complete paralysis: rebirth of the grandmother cell**Institute of Medical Psychology and Behavioral Neurobiology, University of Tubingen, GermanyEmail: birbaumer@uni-tuebingen.de |
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| **5.20-5.30** | **Marcello Massimini – Concluding Remarks**Department of Clinical and Biomedical Sciences University of Milan, ItalyEmail: marcello.massimini@gmail.com |