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](mailto: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, UK  Email: [A.K.Seth@sussex.ac.uk](mailto: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](mailto: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, France  Email: [julien.modolo@gmail.com](mailto: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](mailto: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, Spain  Email: [giulio.ruffini@starlab.es](mailto: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, France  Email: [claire.sergent@parisdescartes.fr](mailto: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](mailto: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, UK  Professor of Neuroscience, Aarhus University, Denmark  Email: [morten.kringelbach@queens.ox.ac.uk](mailto: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, Italy  Email: [silvia.casarotto@unimi.it](mailto: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, UK  Email: [katie.warnaby@ndcn.ox.ac.uk](mailto: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, Germany  Email: [nitsche@ifado.de](mailto: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](mailto: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, Germany  Email: [birbaumer@uni-tuebingen.de](mailto: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, Italy  Email: [marcello.massimini@gmail.com](mailto:marcello.massimini@gmail.com) |