

IEEE Brain SENSORS Workshop

Glasgow Science Centre, 2 November 2017

Agenda

- 0900-0920** Welcoming Remarks – Jacob and Paul
- 0920-0940** Jacob Robinson – William Rice University
Flat Implantable Microscopes for Imaging Brain Activity
- 0940-1000** Caleb Kemere – William Rice University
Realizing the Promise of Flexible Electrodes via Microfluidic Insertion
- 1000-1020** Adam Marblestone – Kernel
Physical Principles for Scalable Neural Recording
- 1020-1040** George Malliaras – University of Cambridge
Organic Electronic Devices for Sensing the Brain
- 1040-1100** Thomas Stieglitz – University of Freiburg
Stability and Functionality of Flexible Electrodes Arrays
- 1100-1120** **Break**
- 1120-1140** Chong Xie – University of Texas, Austin
A Nanoelectronic Neural Interface: Towards Wiring up Every Neuron
- 1140-1200** Kenneth Shepard – Columbia University
CMOS Neural Probes
- 1200-1220** John Kitching – National Institute of Standards and Technology
Atomic Magnetometers: A Panacea for Biomagnetic Measurements?
- 1220-1320** **Lunch**
- 1320-1420** Panel Discussion: Electrode Development
Chong Xie – University of Texas, Austin
Caleb Kemere – William Rice University
George Malliaras – University of Cambridge
Kenneth Shepard – Columbia University
- 1420-1520** Panel Discussion: Imagining the Brain
Jacob Robinson – William Rice University
Malte Gather – University of St. Andrews
- 1520-1540** **Break**
- 1540-1640** Breakout Group: Challenge Questions
- 1640-1730** Breakout Group Presentations / Discussions

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