

XII SoNG meeting

25th September 2014
Avenue Campus University of Southampton

The Human Brain

9:00-9:30-Registration and coffee

9:30-9:35-Welcome and introduction. Diego Gomez-Nicola

9:35-10:50-Short presentations. Chaired by Clive Holmes

•Katrin Deinhardt (Centre for Biological Sciences) *Shaping neurons: bi-directional modulation of neuronal morphology by BDNF*

•Matthew Davies (Centre for Biological Sciences) *Induction of an injurious stress response during slowly evolving synaptic loss in prion disease*

•Topher Woelk (Faculty of Medicine) *Gene networks specific for innate immunity define post-traumatic stress disorder*

10:50-11:20-Break and poster viewing

11:20-12:10-Plenary lecture. Seth Grant (University of Edinburgh) *Synapse complexity: evolution, cognition and disease*

12:10-13:00-Short presentations. Chaired by Matt Garner (presentation of NIRG)

•Brigitte Vollmer (Faculty of Medicine) *Imaging of preterm brain injury*

•Andrew Causon (Institute of Sound and Vibration Research) *Factors affecting the preservation of low frequency hearing after cochlear implant surgery*

13:00-14:15-Lunch and poster viewing

14:15-15:25-Workshop, How to use human brain samples for your research

Delphine Boche, James Nicoll, Paul Francis, RGO UoS. Chaired by Simon Ridley (ARUK).

15:25-15:50-Plenary lecture. Matthijs B. Verhoog (VU University, The Netherlands) *Synaptic plasticity at human neocortical synapses*

15:50-16:10-Break/refreshments

16:10-17:00-Plenary lecture. Suzana Herculano-Houzel (Universidade Federal do Rio de Janeiro, Brazil) *The costs and advantages of the remarkable, but not extraordinary, human brain*

17:00-17:15-Closing remarks and prizes. Delphine Boche and Vincent O'Connor

17:15-18:15-Drinks reception

