

#SfN17 - HBP's Schedule of Presentations

Here you can find a list of the Society for Neuroscience 2017 Posters and Symposia that present work done by or in association with the Human Brain Project.

SYMPOSIUM

November 15, 2017, 1:30 - 4:00 PM

Session 724 - Neural Correlates of Consciousness: Progress and Problems - Johan Storm

Symposium chair: **Johan Storm**

Ballroom B

<http://www.abstractsonline.com/pp8/#!/4376/presentation/611>

- Speaker: **Marcello Massimini** (2:10 - 2:45 PM)
- 724.03 - *Assessing consciousness through cortical perturbations*
- <http://www.abstractsonline.com/pp8/#!/4376/presentation/617>

- Speaker: **Cyriel Pennartz** (3:20 - 3:55 PM)
- 724.05 - *The conscious rodent brain: Ensemble behaviour and long-range correlation patterns*
- <http://www.abstractsonline.com/pp8/#!/4376/presentation/613>

NANASYMPOSIUM

Nanosymposium: November 14, 2017, 3:00 - 3:15 PM

549.09 - Wide-field imaging of cortical activity in mice performing reach-to-grasp movements

Presenter: **Eros Quarta**

Session 549 - Visually-Guided Reach and Grasp

Location: 152B

<http://www.abstractsonline.com/pp8/#!/4376/presentation/1891>

POSTERS

Saturday

November 11, 2017, 1:00 - 5:00 PM

57.21 / BB4 - Orientation-selective population responses in ferret visual cortex

Presenter at Poster: **L. M. F. Klaver**, (1:00 PM - 2:00 PM)

Session 57 - Cortical Coding and Oscillations

<http://www.abstractsonline.com/pp8/#!/4376/presentation/2595>

91.06 / UU43 - Meta-analysis of biophysical models of synaptic plasticity and the overlap of modelled elements with the synaptic proteome

Presenter at Poster: **Katharina Heil** (2:00 PM - 3:00 PM)

Session 91 – Modeling

<http://www.abstractsonline.com/pp8/#!/4376/presentation/8378>

44.15 / N2 - Workflow for automated quantification and spatial analysis of Alzheimer's plaque labeling in microscopic rodent brain sections

Presenter at Poster: **S. C. Yates** (3:00 PM - 4:00 PM)

Session 44 - APP: Animal and Cellular Models

<http://www.abstractsonline.com/pp8/#!/4376/presentation/23013>

43.16 / K8 - Astrocyte-modulated synaptic plasticity in sensory cortex in health and pathology: A computational study

Presenter at Poster: **A. Saudargiene** (4:00 PM - 5:00 PM)

Session 43 - Role of Glia in Synapse Formation and Function

<http://www.abstractsonline.com/pp8/#!/4376/presentation/13093>

93.12 / VV3 - Computing brain signals (CBra): Concurrent simulation of network activity, extracellular electric potentials and magnetic fields

Presenter at Poster: **E. Hagen** (4:00 PM - 5:00 PM)

Session 93 - Functional Monitoring and Stimulation

<http://www.abstractsonline.com/pp8/#!/4376/presentation/24635>

Sunday

November 12, 2017, 8:00 - 12:00 PM

122.15 / D61 - Dual adrenergic modulation of HCN channels in hippocampal and neocortical pyramidal neurons

Presenter at Poster: **Johan Storm** (10:00 AM - 11:00 AM)

Session 122 - HCN, TRP, and Other Ion Channels

<http://www.abstractsonline.com/pp8/#!/4376/presentation/26955>

148.07 / GG28 - Using network simulations to model intracellular membrane dynamics in VI layer 4

Presenter at Poster: **M. M. Taylor** (10:00 AM - 11:00 AM)

Session 148 - Visual Cortex: Circuits and Populations

<http://www.abstractsonline.com/pp8/#!/4376/presentation/18757>

176.08 / VV2 - Measures of integration and differentiation in microscale model networks: Computationally feasible PHI correlates

Presenter at Poster: **A. S. Nilsen** (11:00 AM - 12:00 PM)

Session 176 - Neurocomputational Limits

<http://www.abstractsonline.com/pp8/#!/4376/presentation/24608>

November 12, 2017, 1:00 - 5:00 PM

252.19 / SS45 - Reconstruction and simulation of a full-scale model of rat hippocampus CA1

Presenter at Poster: **Armando Romani** (3:00 PM - 4:00 PM)

Session 252 - Learning and Memory: Hippocampal Circuits

<http://www.abstractsonline.com/pp8/#!/4376/presentation/4957>

Monday

November 13, 2017, 8:00 - 12:00 PM

291.02 / G3 - Enhanced responsiveness in asynchronous irregular network states as a mechanism for modulating sensory awareness

Presenter at Poster: **Alain Destexhe** (9:00 AM - 10:00 AM)

Session 291 - Signal Propagation

<http://www.abstractsonline.com/pp8/#!/4376/presentation/18599>

342.19 / VV32 - Determining and documenting the anatomical location of experimental neuroscience data: Best practice recommendations

Presenter at Poster: **I. E. Bjerke** 10:00 AM - 11:00 AM)

Session 342 - Connectomics: Anatomical Techniques

<http://www.abstractsonline.com/pp8/#!/4376/presentation/2179>

November 13, 2017, 1:00 - 5:00 PM

399.01 / GG21 - Expanding the Waxholm Space rat brain reference atlas using a data enriched magnetic resonance imaging template: New delineations of the auditory system, thalamus, and more

Presenter at Poster: **J. Imad** (1:00 PM - 2:00 PM)

Session 399 - Auditory Processing: Circuits, Synapses, and Neurotransmitters II

<http://www.abstractsonline.com/pp8/#!/4376/presentation/6597>

403.03 / III7 - Elucidating multi-scale cortical dynamics via simulation: A multi-area spiking model of macaque visual cortex

Presenter at Poster: **Sacha Van Albada** (3:00 PM - 4:00 PM)

Session 403 - Visual Cortical Streams: Primate and Human

<http://www.abstractsonline.com/pp8/#!/4376/presentation/2834>

403.04 / III8 - Dorsal visual cortex in macaques resembles that of New World monkeys: A reassessment of its topography based on sub-millimeter retinotopic fMRI mapping

Presenter at Poster: **Qi Zhu** (4:00 PM - 5:00 PM)

Session 403 - Visual Cortical Streams: Primate and Human

<http://www.abstractsonline.com/pp8/#!/4376/presentation/2835>

Tuesday

November 14, 2017, 8:00 - 12:00 PM

532.05 / WW22 - Tackling the normalization of 2-D rodent histology sections in a 3-D coordinate space

Presenter at Poster: **C. Coello** (8:00 AM - 9:00 AM)

Session 532 - Software Tools I

<http://www.abstractsonline.com/pp8/#!/4376/presentation/18523>

492.02 / EE2 - Sub-millimeter resolution fMRI reveals human-like fine-scale organization of body regions in macaque monkeys

Presenter at Poster: **Xiaolian Lib** (9:00 AM - 10:00 AM)

Session 492 - Representation of Faces and Bodies

<http://www.abstractsonline.com/pp8/#!/4376/presentation/12827>

529.14 / VV79 - Effects of VTA electrical stimulation on whole-brain fMRI activity

Presenter at Poster: **Sjoerd Murriss** (9:00 AM - 10:00 AM)

Session 529 - Methods: Physiology and Circuitry II

<http://www.abstractsonline.com/pp8/#!/4376/presentation/8425>

470.11 / E9 - A comprehensive protein- Protein interaction map of the mammalian synaptic proteome

Presenter at Poster: **Oksana Sorokina** (10:00 AM - 11:00 AM)

Session 470 - Synaptic Connectivity: Organization and Function

<http://www.abstractsonline.com/pp8/#!/4376/presentation/10115>

532.04 / WW21 - Software tools for high-throughput stitching and processing of micron-resolution 3D images of brain samples

Presenter at Poster: **G. Mazzamuto** (11:00 AM - 12:00 PM)

Session 532 - Software Tools I

<http://www.abstractsonline.com/pp8/#!/4376/presentation/18522>

532.12 / WW29 - QuickNII: Neuroinformatics tool and workflow for anchoring of serial histological images in rodent brain 3D space

Presenter at Poster: **Maja Puchades** (11:00 AM - 12:00 PM)

Session 532 - Software Tools I

<http://www.abstractsonline.com/pp8/#!/4376/presentation/18529>

November 14, 2017, 1:00 - 5:00 PM

623.13 / VV69 - Data integration through digital brain atlas: Human Brain Project infrastructure

Presenter at Poster: **K.A. Andersson** (1:00 PM - 2:00 PM)

Session 623 - Neurophysiology: Humans

<http://www.abstractsonline.com/pp8/#!/4376/presentation/28273>

626.06 / WW39 - Unresponsive states with and without report of conscious experience show distinct patterns of EEG-based effective brain connectivity in humans

Presenter at Poster: **T. Bremnes** (2:00 PM - 3:00 PM)

Session 626 - Data Analysis and Statistics: Human Data II

<http://www.abstractsonline.com/pp8/#!/4376/presentation/25896>

623.15 / VV71 - Three-dimensional investigation of neuronal layer distribution in human brain cortex

Presenter at Poster: **I. Costantini** (3:00 PM - 4:00 PM)

Session 623 - Neurophysiology: Humans

<http://www.abstractsonline.com/pp8/#!/4376/presentation/28275>

Wednesday

November 15, 2017, 8:00 - 12:00 PM

721.09 / WW15 - Designing workflows for the collaborative management and analysis of electrophysiological data and metadata

Presenter at Poster: **Julia Sprenger** (9:00 AM - 10:00 AM)

Session 721 - Software Tools II

674.02 / Z23 - Optogenetic rehabilitation promotes functional remodelling after stroke: An In vivo imaging study

Presenter at Poster: **Emilia Conti** (9:00 AM - 10:00 AM)

Session 674 - Stroke: Non-Pharmacological Treatment and Activity-Dependent Plasticity and Recovery

<http://www.abstractsonline.com/pp8/#!/4376/presentation/25133>

November 15, 2017, 1:00 - 5:00 PM

813.17 / WW34 - A user-friendly interactive pipeline for single cell model building

Presenter at Poster: **Carmen Lupascu** (1:00 PM - 2:00 PM)

Session 813 - Biophysically-Detailed Models

<http://www.abstractsonline.com/pp8/#!/4376/presentation/28020>

775.05 / DD30 - Weighting of auditory and visual cues during cross-modal stimulus detection

Presenter at Poster: **C. S. Lansink** (1:00 PM - 2:00 PM)

Session 775 - Cross-Modal Processing: Neural Circuitry and Development

www.abstractsonline.com/pp8/#!/4376/presentation/29626

813.09 / WW26 - Personalized brain network models predict novel epilepsy surgery strategies

Presenter at Poster: **S. Petkoski** (1:00 PM - 2:00 PM)

Session 813 - Biophysically-Detailed Models

<http://www.abstractsonline.com/pp8/#!/4376/presentation/28012>

813.02 / WW19 - NestMC: A morphologically detailed neural network simulator for modern high performance computer architectures

Presenter at Poster: **Alex Peyser** (2:00 PM - 3:00 PM)

Session 813 - Biophysically-Detailed Models

<http://www.abstractsonline.com/pp8/#!/4376/presentation/28005>

803.14 / UU21 - Hierarchical chunking in free recall of random lists of words

Presenter at Poster: **Mikhail Katkov** (2:00 PM - 3:00 PM)

Session 803 - Memory Processes

<http://www.abstractsonline.com/pp8/#!/4376/presentation/18163>

813.06 / WW23 - Exploring the responsive networks of the mouse brain using focal stimulation in a connectome-brain model

Presenter at Poster: **Andreas Spiegler** (2:00 PM - 3:00 PM)

Session 813 - Biophysically-Detailed Models

<http://www.abstractsonline.com/pp8/#!/4376/presentation/28009>

775.03 / DD28 - Auditory and visual cortices represent sensory and non-sensory task elements in a multisensory 2-choice detection task

Presenter at Poster: **P. E. Mertens** (3:00 PM - 4:00 PM)

Session 775 - Cross-Modal Processing: Neural Circuitry and Development
<http://www.abstractsonline.com/pp8/#!/4376/presentation/29624>

775.04 / DD29 - Multisensory integration in the primary visual cortex and association area AL of the mouse during a stimulus detection task

Presenter at Poster: **G. T. Meijer** (4:00 PM - 5:00 PM)

Session 775 - Cross-Modal Processing: Neural Circuitry and Development
<http://www.abstractsonline.com/pp8/#!/4376/presentation/29625>

813.04 / WW21 - Resting-state functional brain connectivity in the epileptic brain decoded by large-scale brain network modelling

Presenter at Poster: **J. Courtiol** (4:00 PM - 5:00 PM)

Session 813 - Biophysically-Detailed Models
<http://www.abstractsonline.com/pp8/#!/4376/presentation/28007>