# 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.

## SYMPOSIA

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](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](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](http://www.abstractsonline.com/pp8/#!/4376/presentation/613)

## NANASYMPOSIA

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

## 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](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

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**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 V1 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

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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](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](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](http://www.abstractsonline.com/pp8/#!/4376/presentation/6597)

**403.03 / II17 - 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

**403.04 / II18 - 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

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](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 Murris (9:00 AM - 10:00 AM)
Session 529 - Methods: Physiology and Circuity 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 - QuickNI: 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 atlasing: 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
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

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

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

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

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

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

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

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

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)
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/29624

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