



Oral

JULY 4 • SUNDAY

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| 10:00am –
10:20am | ○ O1: Computation through spiking dynamics of an E-I network with predictive coding | TBA |
| | <i>Speakers: Veronika Koren</i>
Veronika Koren , Tilo Schwalger | |
| 10:20am –
10:40am | ○ O2: Self-Healing Neural Codes | TBA |
| | <i>Speakers: Michael Rule</i>
Michael Rule , Timothy O'Leary | |
| 10:40am –
11:00am | ○ O3: A neuron-to-network-to-neuron computational model of state-dependent computation in the hypothalamus | TBA |
| | <i>Speakers: Samuel Mestern</i>
Samuel Mestern , Gabriel Benigno , Ichiyama Aoi , Wataru Inoue , Lyle Muller | |
| 11:00am –
11:20am | ○ O4: Cortex-wide dynamics of intrinsic electrical activities: propagating waves and their interactions | TBA |
| | <i>Speakers: Yuqi Liang</i>
Yuqi Liang , Pulin Gong , Chenchen Song , Mianxin Liu , Changsong Zhou , Thomas Knöpfel | |
| 12:20pm –
12:40pm | ○ O5: A computational model of the dopaminergic modulation of hippocampal Schaffer collateral-CA1 long-term plasticity | TBA |
| | <i>Speakers: Gautam Kumar</i>
Gautam Kumar , Joseph Schmalz | |
| 12:40pm –
1:00pm | ○ O6: Age-dependent increase of sag current in human pyramidal neurons dampens noise in cortical sensory processing | TBA |
| | <i>Speakers: Alexandre Guet McCreight</i>
Alexandre Guet McCreight , Margaret Wishart , Homeira Moradi Chameh , Shreejoy J. Tripathy , Taufik Valiante , Etay Hay | |
| 1:00pm – 1:20pm | ○ O7: Astrocytic modulation of synaptic transmission and plasticity in developing somatosensory cortex | TBA |
| | <i>Speakers: Tiina Manninen</i>
Tiina Manninen , Ausra Saudargiene , Marja-Leena Linne | |
| 1:20pm – 1:40pm | ○ O8: Dynamics of Ramping Bursts in a Respiratory Neuron Model | TBA |
| | <i>Speakers: Muhammad Abdulla</i>
Muhammad Abdulla , Ryan Phillips , Jonathan Rubin | |

JULY 5 • MONDAY

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| 10:00am –
10:20am | ○ O9: Non-synaptic interactions between olfactory receptor neurons, a possible keyfeature of odor processing in insects | TBA |
| | <i>Speakers: Mario Pannunzi</i>
Mario Pannunzi , Thomas Nowotny | |
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10:20am – 10:40am	<p>○ O10: Structure in the population code increases along the auditory cortical hierarchy TBA</p> <p><i>Speakers: Clélia De Mulatier</i> Clélia De Mulatier , Jean-Hugues Lestang , Songhan Zhang , Jaejin Lee , Vijay Balasubramanian , Yale E Cohen</p>
10:40am – 11:00am	<p>○ O11: Striatal compartments participate in multi-modal and concurrent reward-based learning TBA</p> <p><i>Speakers: William Barnett</i> William Barnett , Alexey Kuznetsov , Christopher Lapish</p>
11:00am – 11:20am	<p>○ O12: Unsupervised identification of space-, time-, and action-dependent latent factors underlying muscle activity during reaching TBA</p> <p><i>Speakers: Alessandro Salatiello</i> Alessandro Salatiello , Martin A. Giese</p>
12:20pm – 12:40pm	<p>○ O13: Prevention of post-traumatic epilepsy through sustained network depolarization TBA</p> <p><i>Speakers: Oscar Gonzalez</i> Oscar Gonzalez , Maxim Bazhenov , Sara Soltani , Sylvain Chauvette , Brianna Marsh , Giri Krishnan , Igor Timofeev</p>
12:40pm – 1:00pm	<p>○ O14: On the role of arkypallidal and prototypical neurons for neural synchronization in the basal ganglia TBA</p> <p><i>Speakers: Richard Gast</i> Richard Gast , Ruxue Gong , Helmut Schmidt , Hil G.E. Meijer , Thomas R. Knösche</p>
1:00pm – 1:20pm	<p>○ O15: Larger inter-individual variability of large-scale brain organization in schizophrenia revealed by topological data analysis TBA</p> <p><i>Speakers: Emil Dmitruk</i> Emil Dmitruk , Christoph Metzner , Volker Steuber , Shabnam Kadir</p>
1:20pm – 1:40pm	<p>○ O16: Fluctuating inter-regional delays in the human cerebral cortex TBA</p> <p><i>Speakers: Joon-Young Moon</i> Joon-Young Moon , Kathrin MÜsch , Charles Schroeder , Christopher Honey</p>