

CNS*2025 Florence

B Break
 K Keynote
 R Reception/party
 G Registration/organization
 T Tutorials

JULY 5 • SATURDAY

PINNED 08:15 – 19:00	G Registration	
PINNED 09:00 – 10:10	T Tutorial sessions	Rooms 4, 5, 6, 9, 101, 202, 203, Belvedere, or TBA by tutorials organizers
09:00 – 12:00	T Computational Life Science in the Cloud: Neurostimulation and Bioelectronic Medicine with o²S²PARC & Sim4Life	Room 5 <i>Speakers: Fariba Karimi</i>
09:00 – 12:00	T From single-cell modeling to large-scale network dynamics with NEST Simulator	Room 9 <i>Moderators: Charl Linssen</i>
09:00 – 12:00	T Getting started with Cobrawap	Room 101 <i>Speakers: Cosimo Lupo</i>
09:00 – 12:00	T The Brain Scaffold Builder - reconstructions and simulations: from single cells to circuits at different levels of detail	Room 202 <i>Speakers: Filippo Marchetti</i>
09:00 – 16:00	T Building Intuitive and Efficient Biophysical Models with Jaxley and DendroTweaks	Room 203 <i>Speakers: Spyridon Chavlis, Michael Deistler, Kyra Kadhim, Roman Makarov</i>
09:00 – 16:00	T Building mechanistic multiscale models with NEURON and NetPyNE	Room 6 <i>Moderators: Robert Andrew McDougal</i> <i>Speakers: Salvador Dura-Bernal, William W Lytton, Adam J. H. Newton</i>
09:00 – 16:00	T Exploring Open Brain Platform: A Collaborative Platform for Computational Neuroscience, from single cells to circuits	Room 4 <i>Moderators: Lida Kanari</i>
09:00 – 16:00	T Multiscale modeling with MOOSE	Belvedere room <i>Speakers: Subhasis Ray</i>
PINNED 10:10 – 10:40	B Coffee break	
PINNED 10:40 – 12:00	T Tutorial sessions	Rooms 4, 5, 6, 9, 101, 202, 203, Belvedere, or TBA by tutorials organizers
PINNED 12:00 – 13:00	B Lunch break	
PINNED 13:00 – 14:30	T Tutorial sessions	Rooms 4, 5, 6, 9, 101, 202, 203, Belvedere, or TBA by tutorials organizers
13:00 – 16:00	T Efficient simulations of spiking neural networks using NEST GPU	Room 9 <i>Speakers: José Villamar</i>
13:00 – 16:00	T Graph-Based Insights into Neuronal Populations: From Traditional to Machine Learning Enhanced Causal Discovery	Room 202 <i>Speakers: Forough Habibollahi, Moein Khajehnejad</i>

13:00 – 16:00	T	Modelling hippocampal neurons of animals navigating in VR with Recurrent Neural Networks <i>Moderators: Marco P. Abrate</i>	Room 5
13:00 – 16:00	T	Training recurrent spiking neural networks to generate experimentally recorded neural activities <i>Speakers: Christopher Kim</i>	Room 101
PINNED 14:30 – 15:00	B	Coffee break	Passi Perduti
PINNED 15:00 – 16:00	T	Tutorial sessions	Rooms 4, 5, 6, 9, 101, 202, 203, Belvedere, or TBA by tutorials organizers
PINNED 16:00 – 17:20	K	Welcome and Keynote #1: Konrad Kording, "Causality & Beyond: Neuroscience in the Data-Deluge Era" <i>Speakers: Konrad Kording</i>	Auditorium - Plenary Room
PINNED 17:20 – 18:20	R	Welcome reception	

B Break **K** Keynote **O** Oral session **L** Oral session featured **S** Oral session talk **P** Podcast

N Poster session **E** Posters **G** Registration/organization

JULY 6 • SUNDAY

PINNED 08:15 – 19:00	G Registration	
PINNED 09:00 – 10:10	K Announcements and Keynote #2: Sara Solla, "Low dimensional neural manifolds for the control of movement" <i>Speakers: Sara Solla</i>	Auditorium - Plenary Room
PINNED 10:10 – 10:40	B Coffee break	
PINNED 10:40 – 12:30	O Oral session 1: The building blocks of AI <i>Speakers: Gennady Cymbalyuk</i>	Auditorium - Plenary Room
10:41 – 11:10	L FO1: Hearing Music: A Shared Geometry Governs the Trade-off Between Reliability and Complexity in the Neural Code <i>Speakers: Pauline G. Mouawad</i>	Auditorium - Plenary Room
11:10 – 11:30	S O1: Balancing Stability and Flexibility: Dynamical Signatures of Learning in In-Vitro Neuronal Networks <i>Speakers: Forough Habibollahi</i>	Auditorium - Plenary Room
11:30 – 11:50	S O2: Representational drift as a correlate of memory consolidation <i>Speakers: Denis Alevi</i>	Auditorium - Plenary Room
11:50 – 12:10	S O3: Backpropagation through space, time and the brain <i>Speakers: Paul Haider</i>	Auditorium - Plenary Room
12:10 – 12:30	S O4: Competition between memories for reactivation as a mechanism for long-delay credit assignment <i>Speakers: Subhadra Mokashe</i>	Auditorium - Plenary Room
PINNED 12:30 – 14:00	B Lunch break	
12:30 – 14:00	G Program Committee meeting	Room 12
PINNED 14:00 – 15:50	O Oral session 2: Neuromodulation <i>Speakers: Mauricio Girardi-Schappo</i>	Auditorium - Plenary Room
14:01 – 14:30	L FO2: Global brain dynamics modulates local scale-free neuronal activity <i>Speakers: Giovanni Rabuffo</i>	Auditorium - Plenary Room
14:30 – 14:50	S O5: Acetylcholine Waves and Dopamine Release in the Striatum: A Reaction-Diffusion Mechanism <i>Speakers: Joshua Goldberg</i>	Auditorium - Plenary Room
14:50 – 15:10	S O6: Mathematical insights into the spatial heterogeneity of extracellular serotonin induced by the geometry and dynamics of serotonergic fibers <i>Speakers: Merlin Pelz</i>	Auditorium - Plenary Room
15:10 – 15:30	S O7: Mechanisms of neurotransmitter driven depolarization in perisynaptic astrocytic processes <i>Speakers: Ryo Nakatani</i>	Auditorium - Plenary Room

15:30 – 15:50	S	O8: The role of gain neuromodulation in layer-5 pyramidal neurons <i>Speakers: Alejandro Rodríguez García</i>	Auditorium - Plenary Room
PINNED 15:50 – 16:20	B	Coffee break	
PINNED 16:20 – 17:20	P	Live podcast with Gaute Einevoll <i>Speakers: Gaute Einevoll</i>	Auditorium - Plenary Room
PINNED 17:20 – 19:20	N	Poster session 1	Passi Perduti
17:20 – 19:20	E	P002: Understanding aging in terms of memory: Beyond excitation-inhibition balance <i>Speakers: Srishty Aggarwal</i>	Passi Perduti
17:20 – 19:20	E	P003: Digital Twins Enable Early Alzheimer's Disease Diagnosis by Reconstructing Neurodegeneration Levels from Non-Invasive Recordings <i>Speakers: Lorenzo Gaetano Amato, Alberto Mazzoni, Alberto Vergani, Jacopo Carpaneto, Michael Lassi, Valentina Moschini, Giulia Giacomucci, Benedetta Nacmias, Sandro Sorbi, Antonello Grippo, Valentina Bessi</i>	Passi Perduti
17:20 – 19:20	E	P004: Synergistic high-order statistics in a neural network is related to task complexity and attractor characteristics <i>Speakers: Ignacio Ampuero, Patricio Orio, Javier Díaz</i>	Passi Perduti
17:20 – 19:20	E	P006: Neuromimetic models of mammalian spatial navigation circuits learn to navigate in complex simulated environments <i>Speakers: Haroon Anwar, Christopher Earl, Hananel Hazan, Samuel A. Neymotin</i>	Passi Perduti
17:20 – 19:20	E	P007: AI4MS: A Deep Learning Approach for Multimodal Prediction of Multiple Sclerosis Progression <i>Speakers: Matthieu Gilson, Shailesh Appukuttan, Hugo Dary, Wafaa Zaaraoui, Adrien Amberto, Mounir Mohamed El Mendili, Bertrand Audoin, Ismail Zitouni, Audrey Rico, Maxime Guye, Jean-Philippe Ranjeva, Ronan Sicre, Jean Pelletier</i>	Passi Perduti
17:20 – 19:20	E	P008: Data-Driven Functional Analysis of a Mammalian Neuron Type Connectome <i>Speakers: Giorgio A. Ascoli</i>	Passi Perduti
17:20 – 19:20	E	P009: Exponential increase of engram cardinality with cell assembly overlap <i>Speakers: Giorgio A. Ascoli, Jonah G. Ascoli, Rebecca F. Goldin</i>	Passi Perduti
17:20 – 19:20	E	P010: The Three Attractor Problem: Rest State Manifold <i>Speakers: Anastasios-Polykarpos Athanasiadis, Marmaduke Woodman, Spase Petkoski, Viktor Jirsa</i>	Passi Perduti
17:20 – 19:20	E	P011: A method to assess individual photoreceptor contributions to cortical computations driving visual perception in mice <i>Speakers: David Au</i>	Passi Perduti
17:20 – 19:20	E	P012: Real-Time Temporal Code-driven Stimulation using Victor-Purpura Distance for Studying Spike Sequences in Neural Systems <i>Speakers: Alberto Ayala, Angel Lareo, Pablo Varona, Francisco B Rodriguez</i>	Passi Perduti
17:20 – 19:20	E	P013: Targeted striatal activation and reward uncertainty promote exploration in mice <i>Speakers: Jyotika Bahuguna, Julia Badya, Krista Bond, Eric Yttri, Jonathan Rubin, Timothy Verstynen</i>	Passi Perduti
17:20 – 19:20	E	P014: Investigating the mechanisms underpinning behavioral resilience using an extended Multi-agent Reinforcement learning model <i>Speakers: Pragathi Priyadharsini Balasubramani</i>	Passi Perduti

17:20 – 19:20	E	P015: Dynamic Causal Modelling in Probabilistic Programming Languages <i>Speakers: Marmaduke Woodman, Viktor Jirsa, Nina Baldy, Meysam Hashemi</i>	Passi Perduti
17:20 – 19:20	E	P016: Heterogeneous topologies in in silico networks are necessary to model the emergent dynamics of human-derived fully excitatory neuronal cultures <i>Speakers: Paolo Massobrio, Valerio Barabino, Francesca Callegari, Sergio Martinoia</i>	Passi Perduti
17:20 – 19:20	E	P017: Unraveling the neural mechanisms of behavior-related manifolds in a comprehensive model of primary motor cortex circuits <i>Speakers: Roman Baravalle, Valery Bragin, Nikita Novikov, Wei Xu, Eugenio Urdapilleta, Ian Duguid, Salvador Dura-Bernal</i>	Passi Perduti
17:20 – 19:20	E	P018: Orientation Bias and Abstraction in Working Memory: Evidence from Vision Models and Behaviour <i>Speakers: Fabio Bauer, Or Yizhar, Bernhard Spitzer</i>	Passi Perduti
17:20 – 19:20	E	P019: Distinguishing spatiotemporal scales within a connectome reveals integration and segregation efficiency in global patterns of neuronal activity <i>Speakers: Ignacio Ampuero, Patricio Orio, Diego Becerra, Pedro Mediano, Christopher Connor, Andrea Calixto</i>	Passi Perduti
17:20 – 19:20	E	P020: A Multi-Compartment Computational Approach to Cerebellar Circuit Dysfunction in Autism <i>Speakers: Claudia Casellato, Danilo Benozzo, Martina Rizza, Danila Di Domenico, Giorgia Pellavio, Filippo Marchetti, Egidio D'Angelo</i>	Passi Perduti
17:20 – 19:20	E	P021: Studying the effects of TMS on the cerebellum with a realistic model of the cerebellar cortex <i>Speakers: Eleonora Bernasconi, Nada Yousif, Volker Steuber</i>	Passi Perduti
17:20 – 19:20	E	P022: Pattern mismatch detection by transient EI imbalance on single neurons: Experiments and multiscale models. <i>Speakers: Upinder Bhalla, Aditya Asopa</i>	Passi Perduti
17:20 – 19:20	E	P023: Applying a Machine Learning Method to Detect Miniature EPSCs <i>Speakers: Krishan Bhalsod, Cengiz Gunay</i>	Passi Perduti
17:20 – 19:20	E	P024: Analysis of autoassociative dynamics in the hippocampus through a full-scale CA3-CA1 model <i>Speakers: Giulia Maria Boiani</i>	Passi Perduti
17:20 – 19:20	E	P025: The opportunities and limitations of AI as a tool in neuroscience: how does the nose know what it knows? <i>Speakers: Jim Bower</i>	Passi Perduti
17:20 – 19:20	E	P026: Prospective and retrospective coding in cortical neurons <i>Speakers: Paul Haider, Simon Brandt, Mihai A. Petrovici, Walter Senn, Katharina Anna Wilmes, Federico Benitez</i>	Passi Perduti
17:20 – 19:20	E	P027: A functional network model for body column neural connectivity in Hydra <i>Speakers: Wilhelm Braun, Claus Hilgetag</i>	Passi Perduti
17:20 – 19:20	E	P028: The Topological Significance of Functional Connectivity State Transitions <i>Speakers: Spencer Brown, Celine Zalamea, Daniel Selski</i>	Passi Perduti
17:20 – 19:20	E	P029: Spiking Neural Networks for Controlling a Biomechanically Realistic Arm Model <i>Speakers: Philip Bröhl, Junji Ito, Sonja Gruen, Ira Assent</i>	Passi Perduti
17:20 – 19:20	E	P030: Synaptic Plasticity Mechanisms and Dynamics in the Cerebellar Spiking Microcircuit <i>Speakers: Claudia Casellato, Egidio D'Angelo, Abdul Haleem Butt, Marialaura De Grazia, Emiliano Buttarazzi, Dimitri Rodarie</i>	Passi Perduti

17:20 – 19:20	E	P031: Adaptive Cerebellar Networks in Sensorimotor Loops <i>Speakers: Claudia Casellato, Egidio D'Angelo, Marialaura De Grazia, Emiliano Buttarazzi, Alberto Antonietti, Margherita Premi</i>	Passi Perduti
17:20 – 19:20	E	P032: Universal coarse-to-fine transition across the developing neocortex <i>Speakers: Deyue Kong, Lorenzo Butti, Nathaniel Powell, Bettina Hein, Jonas Elpelt, Haleigh Mulholland, Gordon Smith, Matthias Kaschube</i>	Passi Perduti
17:20 – 19:20	E	P033: Modeling Corticospinal Input Effects on V1-FoxP2 Interneurons in a Go Task Using NetPyNE <i>Speakers: Roman Baravalle, Ian Duguid, Salvador Dura-Bernal, Andres Felipe Cadena Parra, Michelle Sanchez Rivera, Constantinos Eleftheriou</i>	Passi Perduti
17:20 – 19:20	E	P034: Role of Synaptic Plasticity in the Emergence of Temporal Complexity in a Izhikevich Spiking Neural Network <i>Speakers: Marco Cafiso, Paolo Paradisi</i>	Passi Perduti
17:20 – 19:20	E	P035: The geometry of primary visual cortex representations is dynamically adapted to task performance <i>Speakers: Leyla Roksan Caglar, Julien Corbo, O. Batuhan Erkat, Pierre-Olivier Polack</i>	Passi Perduti
17:20 – 19:20	E	P036: Dendrites competing for weight updates facilitate efficient familiarity detection <i>Speakers: Fangxu Cai, Marcus Benna</i>	Passi Perduti
17:20 – 19:20	E	P037: Maximum-entropy-based metrics for quantifying critical dynamics in spiking neuronal data. <i>Speakers: Pedro Carelli, Mauro Copelli, Felipe Serafim</i>	Passi Perduti
17:20 – 19:20	E	P038: Mimicking Ripple- and Spindle-Like Dynamics in an Amplitude and Velocity-Feedback Oscillator <i>Speakers: Pedro Romero Carvalho, Felix Effenberger, Wolf Singer</i>	Passi Perduti
17:20 – 19:20	E	P039: In Silico Safety and Performance Assessment of Vagus Nerve Stimulation with Metamodeling-Based Uncertainty/Variability Quantification <i>Speakers: Antonino Cassara, Esra Neufeld, Javier Garcia Ordenez, Werner Van Geit</i>	Passi Perduti
17:20 – 19:20	E	P040: Modeling Transcranial Magnetic Stimulation: From Exposure in Personalized Head Models to Single Cell and Brain Network Dynamics Responses <i>Speakers: Antonino Cassara, Esra Neufeld, Micol Colella, Serena Santanche, Chiara Billi, Micaela Liberti</i>	Passi Perduti
17:20 – 19:20	E	P041: Balanced inhibition allows for robust learning of input-output associations in feedforward networks with Hebbian plasticity <i>Speakers: Gloria Cecchini, Alex Roxin</i>	Passi Perduti
17:20 – 19:20	E	P044: Uncertainty-Calibrated Network Initialization via Pretraining with Random Noise <i>Speakers: Jeonghwan Cheon, Se-Bum Paik</i>	Passi Perduti
17:20 – 19:20	E	P045: Cortical Microcircuit Modeling for Concurrent EEG-fMRI Recordings <i>Speakers: Helmut Schmidt, Jaroslav Hlinka, Shih-Cheng Chien, Stanislav Jiricek, Thomas R. Knösche</i>	Passi Perduti
17:20 – 19:20	E	P046: Model Parameter Estimation for TMS-induced MEPs <i>Speakers: Helmut Schmidt, Jaroslav Hlinka, Shih-Cheng Chien, Thomas R. Knösche, Peng Wang, Konstantin Weise</i>	Passi Perduti
17:20 – 19:20	E	P047: Graph Analysis of EEG Functional Connectivity during Lie Detection <i>Speakers: Yun jeong Cho, Hoon-hee Kim</i>	Passi Perduti
17:20 – 19:20	E	P048: From Density to Void: Why Brain Networks Fail to Reveal Complex Higher-Order Structures <i>Speakers: Moo Chung, Anass El-Yaagoubi, Anqi Qiu, Hernando Ombao</i>	Passi Perduti

17:20 – 19:20	E	P049: Planning and hierarchical behaviors in homeostatic optimal control <i>Speakers: Simone Ciceri, Henning Sprekeler, Atilla-Botond Kelemen</i>	Passi Perduti
17:20 – 19:20	E	P050: Linking biological context to models with ModelDB <i>Speakers: Inessa Cohen, Xincheng Cai, Mengmeng Du, Yiting Kong, Hongyi Yu, Robert Andrew McDougal</i>	Passi Perduti
17:20 – 19:20	E	P052: Geometry and dynamics in sinusoidally perturbed cortical networks <i>Speakers: Martina Cortada, Joana Covelo, Maria V. Sanchez-Vives</i>	Passi Perduti
17:20 – 19:20	E	P053: Modular structure-function support high-order interactions in the human brain <i>Speakers: Jesus Cortes</i>	Passi Perduti
17:20 – 19:20	E	P054: Integrating Arbor and TVB for multi-scale modeling: a novel co-simulation framework applied to seizure generation and propagation <i>Speakers: Juliette Courson</i>	Passi Perduti
17:20 – 19:20	E	P055: Risk sensitivity modulates impulsive choice and risk aversion behaviors <i>Speakers: Rhiannon Cowan, Tyler S. Davis, Bornali Kundu, Ben Shofty, Shervin Rahimpour, John D. Rolston, Elliot H. Smith</i>	Passi Perduti
17:20 – 19:20	E	P056: A numerical simulation of neural fields on curved geometries <i>Speakers: Jonathan Crofts, Neekar Mohammed, David Chappell</i>	Passi Perduti
17:20 – 19:20	E	P057: Biologically Interpretable Machine Learning Approaches for Analyzing Neural Data <i>Speakers: Madelyn Esther Cruz</i>	Passi Perduti
17:20 – 19:20	E	P058: Homeostatic memory engrams in mesoscopic structural connectomes <i>Speakers: Fabian Czappa, Marvin Kaster, Marcus Kaiser, Markus Butz-Ostendorf, Felix Wolf</i>	Passi Perduti
17:20 – 19:20	E	P059: Modeling Cholinergic Heterogeneity in Whole-Brain Cortical Dynamics: Bridging Local Circuits to Global State Transitions <i>Speakers: Maria V. Sanchez-Vives, Leonardo Dalla Porta, Jan Fousek, Alain Destexhe</i>	Passi Perduti
17:20 – 19:20	E	P060: Neural Dynamics and Non-Linear Integration: Computational Insights for Next-Generation Visual Prosthetics <i>Speakers: Tanguy Damart, Jan Antolik</i>	Passi Perduti
17:20 – 19:20	E	P061: A Multi-Scale Virtual Mouse Brain for Investigating Cerebellar-Related Ataxic Alterations <i>Speakers: Claudia Casellato, Alberto Arturo Vergani, Egidio D'Angelo, Marialaura De Grazia, Dimitri Rodarie, Elen Bergamo</i>	Passi Perduti
17:20 – 19:20	E	P062: A complete computational model to explore human sound localization <i>Speakers: Alberto Antonietti, Francesco De Santis, Paolo Marzolo, Alessandra Pedrocchi</i>	Passi Perduti
17:20 – 19:20	E	P063: Dichotomous Dynamics of Hippocampal and Lateral Septum Oscillations: State-Dependent Topology and Directional Causality During Sleep and Wakefulness <i>Speakers: Nima Dehghani, Amir Khani</i>	Passi Perduti
17:20 – 19:20	E	P064: Anatomically and Functionally Constrained Bio-Inspired Recurrent Neural Networks Outperform Traditional RNN Models <i>Speakers: Nima Dehghani, Mo Shakiba, Rana Rokni, Mohammad Mohammadi</i>	Passi Perduti
17:20 – 19:20	E	P065: Jaxley: Differentiable simulation enables large-scale training of detailed biophysical models of neural dynamics <i>Speakers: Michael Deistler, Kyra Kadhim, Matthijs Pals, Jonas Beck, Ziwei Huang, Manuel Gloeckler, Janne K Lappalainen, Cornelius Schröder, Philipp Berens, Pedro J Gonçalves, Jakob H Macke</i>	Passi Perduti

17:20 – 19:20	E	P066: In-silico study on the dynamical and topological relationships between three-dimensional cultures and relative slices <i>Speakers: LEONARDO DELLA MEA</i>	Passi Perduti
17:20 – 19:20	E	P067: Optimization-Based Insights into Network Configurations of the Songbird Premotor Cortex <i>Speakers: Fatima Dia, Maher Nouiehed, Arij Daou</i>	Passi Perduti
17:20 – 19:20	E	P068: Modelling the dynamics of in vitro cultured neural networks by using biophysical neuronal models <i>Speakers: Angelo Digarbo</i>	Passi Perduti
17:20 – 19:20	E	P069: Statistics of spiking neural networks based on counting processes <i>Speakers: Alexander Dimitrov, Anne-Marie Greggs</i>	Passi Perduti
17:20 – 19:20	E	P070: Neurospheroids as building blocks for 3D brain-like structures <i>Speakers: Paolo Massobrio, Francesca Callegari, Ilaria Donati della Lunga, Fabio Poggio, Letizia Cerutti, Mattia Pesce, Giovanni Lobello, Alessandro Simi, Mariateresa Tedesco, Martina Brofiga</i>	Passi Perduti
17:20 – 19:20	E	P071: The Role of Descending Inferior Colliculus Projections to the Cochlear Nucleus in the Hyperactivity Underlying Tinnitus <i>Speakers: Katherine Doxey, Sharon Crook, Timothy Balmer</i>	Passi Perduti
17:20 – 19:20	E	P072: Partial models for learning in nonstationary environments <i>Speakers: Christopher Dunne, Dhruva Raman</i>	Passi Perduti
17:20 – 19:20	E	P073: Simulations using realistic 3D reconstructions of astrocyte endfeet reveal how cell shape alters diffusion in Alzheimer's disease <i>Speakers: Florian Dupeuble, Christopher Salmon, Hugues Berry, Keith Murai, Kaleem Siddiqi, Audrey Denizot</i>	Passi Perduti
17:20 – 19:20	E	P074: Hybridizing Machine Reinforcement Learning with Neuromimetic Navigation Systems <i>Speakers: Haroon Anwar, Christopher Earl, Hananel Hazan, Samuel A. Neymotin, Moshe Tannenbaum</i>	Passi Perduti
17:20 – 19:20	E	P075: Sequential dynamical invariants in winnerless competition neural networks <i>Speakers: Pablo Varona, Irene Elices Ocón</i>	Passi Perduti
17:20 – 19:20	E	P076: A NEST-based framework for the parallel simulation of networks of compartmental models with customizable subcellular dynamics <i>Speakers: Leander Ewert, Christophe Blaszcyc, Jakob Jordan, Charl Linssen, Pooja Babu, Abigail Morrison, Willem Wybo</i>	Passi Perduti
17:20 – 19:20	E	P077: An Intrinsic Dimension Estimator for Neural Manifolds <i>Speakers: Jacopo Fadanni, Rosalba Pacelli, Alberto Zucchetta, Pietro Rotondo, Michele Allegra</i>	Passi Perduti
17:20 – 19:20	E	P078: Single neuron representational drift in CA1 can be explained by aligning stable low dimensional manifolds <i>Speakers: Elena Faillace, Mary Ann Go, Juan Alvaro Gallego, Simon R Schultz</i>	Passi Perduti
17:20 – 19:20	E	P079: Characterizing optimal communication in the human brain <i>Speakers: Kayson Fakhar, Claus Hilgetag</i>	Passi Perduti
17:20 – 19:20	E	P080: A Representation Learning approach captures clinical effects of slow subthalamic beta activity drifts <i>Speakers: Alberto Mazzoni, Salvatore Falciglia, Laura Caffi, Claudio Baiata, Chiara Palmisano, Ioannis Isaías</i>	Passi Perduti
17:20 – 19:20	E	P081: Unsupervised Dynamical Learning in Recurrent Neural Networks <i>Speakers: Luca Falorsi, Maurizio Mattia, Cristiano Capone</i>	Passi Perduti

17:20 – 19:20	E	P082: Temporal Dynamics of Inter-Spike Intervals in Neural Populations <i>Speakers: Luca Falorsi, Maurizio Mattia, Gianni V. Vinci</i>	Passi Perduti
17:20 – 19:20	E	P083: Network Dynamics and Emergence of Synchronisation in A Population of KNDy Neurons <i>Speakers: Saeed Farjami, Margaritis Voliotis, Krasimira Tsaneva-Atanasova</i>	Passi Perduti
17:20 – 19:20	E	P084: Gamma Oscillation in the Basal Ganglia: Interplay Between Local Inhibition and Beta Synchronization <i>Speakers: Alberto Mazzoni, Federico Fattorini, Mahboubah Ahmadipour, Enrico Cataldo, Nicolo Meneghetti</i>	Passi Perduti
17:20 – 19:20	E	P086: Synergistic short-term synaptic plasticity mechanisms for working memory <i>Speakers: Florian Fiebig, Nikolaos Chrysanthidis, Anders Lansner, Pawel Herman</i>	Passi Perduti
17:20 – 19:20	E	P087: Structured Inhibition and Excitation in HVC: A Biophysical Approach to Song Motor Sequences <i>Speakers: Arij Daou, Fatima Fneich, Joseph Bakarji</i>	Passi Perduti
17:20 – 19:20	E	P089: Parameter identifiability in model-based inference for neurodegenerative diseases: noninvasive stimulation <i>Speakers: Jan Fousek</i>	Passi Perduti
17:20 – 19:20	E	P090: Identifying Manifold Degeneracy and Estimating Confidence for Parameters of Compartmental Neuron Models with Hodgkin-Huxley Type Conductances <i>Speakers: Fabrizio Gabbiani, Saina Namazifard, Anwar Khaddaj, Matthias Heinkenschloss</i>	Passi Perduti
17:20 – 19:20	E	P092: Reversal of Wave Direction in Unidirectionally Coupled Oscillator Chains <i>Speakers: Richard Gast, Sara A. Solla, Guy Elisha, Neelesh A. Patankar</i>	Passi Perduti
17:20 – 19:20	E	P093: A method for generalizing validated single neuron models to arbitrary dendritic tree morphologies <i>Speakers: Naining Ge, Linus Manubens-Gil, Hanchuan Peng</i>	Passi Perduti
17:20 – 19:20	E	P094: Two coupled networks with a tricritical phase boundary between awake, unconscious and dead states capture cortical spontaneous activity patterns <i>Speakers: Maryam Ghorbani, Negar Jalili Mallak, Mayank Mehta</i>	Passi Perduti
17:20 – 19:20	E	P095: Network Complexity For Whole-Brain Dynamics Estimated From fMRI Data <i>Speakers: Matthieu Gilson, Gorka Zamora-Lopez</i>	Passi Perduti
17:20 – 19:20	E	P096: Coding and information processing with firing threshold adaptation near criticality in E-I networks <i>Speakers: Mauricio Girardi-Schappo, Leonard Maler, André Longtin</i>	Passi Perduti
17:20 – 19:20	E	P097: Towards Optimized tACS Protocols: Combining Experimental Data and Spiking Neural Networks with STDP <i>Speakers: Camille Godin, Jean-Philippe Thivierge</i>	Passi Perduti
17:20 – 19:20	E	P098: DelGrad: Exact event-based gradients in spiking networks for training delays and weights <i>Speakers: Mihai A. Petrovici, Julian Goeltz, Jimmy Weber, Laura Kriener, Sebastian Billaudelle, Peter Lake, Johannes Schemmel, Melika Payvand</i>	Passi Perduti
17:20 – 19:20	E	P099: Critical Slowing Down and the Hierarchy of Neural Timescales: A Unified Framework <i>Speakers: Leonardo Gollo</i>	Passi Perduti
17:20 – 19:20	E	P100: Dynamic Range Revisited: Novel Methods for Accurate Characterization of Complex Response Functions <i>Speakers: Mauro Copelli, Leonardo Gollo, Jenna Richardson, Filipe Torres</i>	Passi Perduti

17:20 – 19:20	E	P101: How random connectivity shapes fluctuations of finite-size neural populations <i>Speakers: Nils Erik Greven, Jonas Ranft, Tilo Schwalger</i>	Passi Perduti
17:20 – 19:20	E	P102: Spontaneous emergence of slow ramping prior to decision states in a brain-constrained model of fronto-temporal cortical areas <i>Speakers: Nick Griffin, Max Garagnani, Aaron Schurger</i>	Passi Perduti
17:20 – 19:20	E	P103: Developmental Changes in Circuit Dynamics during Hippocampal Memory Recall <i>Speakers: Inês Guerreiro, Laurenz Muessig, Thomas Wills, Francesca Cacucci</i>	Passi Perduti
17:20 – 19:20	E	P104: AnaLYSim new features: Jupyter notebook versioning and CSV browser <i>Speakers: Cengiz Gunay, Anca Doloc-Mihu, Uday Biswas</i>	Passi Perduti
17:20 – 19:20	E	P105: Reciprocity-Controlled Recurrent Neural Networks: Why More Feedback Isn't Always Better <i>Speakers: Kayson Fakhar, Claus Hilgetag, Fatemeh Hadaeghi</i>	Passi Perduti
17:20 – 19:20	E	P106: Computational and Experimental Insights into Hippocampal Slice Spiking under Extracellular Stimulation <i>Speakers: Sarah Hamdi Cherif, Laure Buhry, Mathilde Wullen, Steven Le Cam, Valentine Bouet, Jean-Marie Billard, Jérémie Gaidamour, Radu Ranta</i>	Passi Perduti
17:20 – 19:20	E	P107: Towards A New Metric for Understanding Neural Population Encoding in Early Vision <i>Speakers: Silviya Hasana, Simo Vanni</i>	Passi Perduti
17:20 – 19:20	E	P109: From point neurons to biophysically detailed networks: A data-driven framework for multi-scale modeling of brain circuits <i>Speakers: Beatriz Herrera, Anton Arkhipov, Xiao-Ping Liu, Shinya Ito, Darrell Haufner, Kael Dai, Brian Kalmbach</i>	Passi Perduti
17:20 – 19:20	E	P110: What is membrane electrical excitability? <i>Speakers: Marco Arieli Herrera Valdez, Lionardo Truqui, Hector Chaparro-Reza, Vania Victoria Villegas</i>	Passi Perduti
17:20 – 19:20	E	P111: A model of 3D eye movements reflecting spatial orientation estimation <i>Speakers: Yutaka Hirata, Yusuke Shinji</i>	Passi Perduti
17:20 – 19:20	E	P112: Dopamine effects on firing patterns of in vitro hippocampal neurons <i>Speakers: Huu Hoang</i>	Passi Perduti
17:20 – 19:20	E	P113: Baseline firing rate of dopaminergic neurons modulates the dopamine response to stimuli <i>Speakers: Minh Duc Hoang, Andrea Raye Hamilton, Timothy James Lewis, Stephen Leigh Cowen, Michael Leandro Heien</i>	Passi Perduti
17:20 – 19:20	E	P141: Intrinsic neuronal properties shape local circuit inhibition in primate prefrontal cortex <i>Speakers: Nils Koch, Benjamin W. Corrigan, Julio Martinez-Trujillo**, Anmar Khadra</i>	Passi Perduti
17:20 – 19:20	E	P172: Scalable Computational Modeling of Neuron-Astrocyte Interactions in NEST <i>Speakers: Hans Ekkehard Plesser, Sacha van Albada, Markus Diesmann, Jonas Stapmanns, Marja-Leena Linne, Han-Jia Jiang, Jugoslava Acimovic, Tiina Manninen, Iiro Ahokainen, Mikko Lehtimäki</i>	Passi Perduti
17:20 – 19:20	E	P335: Neural Circuit Visualizer: A Web-Based Platform for the Simulation and Visualization of Full-Scale Point-Neuron Circuits <i>Speakers: Maqsood Ali</i>	Passi Perduti
17:20 – 19:20	E	P336: A Biophysically Realistic Computational Model of Hippocampal Electrical Stimulation <i>Speakers: Maeava Andriantsoamberomanga, Amélie Aussel, Nicolas P. Rougier, Fabien Wagner</i>	Passi Perduti

17:20 – 19:20	E	P337: Spatiotemporal integration of motion signals in MT neurons shapes perceptual decisions <i>Speakers: Lucia Arancibia, Alexander C. Huk, Alexandre Hyafil, Klaus Wimmer, Jacob L. Yates</i>	Passi Perduci
17:20 – 19:20	E	P338: Common methods to decompose the power spectra of neural voltage recordings suffer from model misspecification, leading to misinterpretations <i>Speakers: Patrick Bloniasz, Emily Stephen</i>	Passi Perduci
17:20 – 19:20	E	P339: Neuroimaging during mental stress: Exploring the brain pathways linked to cardiovascular responses <i>Speakers: Tatiana Kameneva, Joseph Braun, Charlotte Keatch, Elisabeth Lambert, Mariya Patel, Will Woods</i>	Passi Perduci
17:20 – 19:20	E	P340: Automatic optimization of conductance-based models to reproduce the dynamics of the claustrum neurons <i>Speakers: Kenji Doya, Razvan Gamanut, Carlos Gutierrez</i>	Passi Perduci
17:20 – 19:20	E	P341: Application of Computer Vision and Explainability in EEG Classification for Motor Imagery Therapy after Stroke <i>Speakers: Marisol Gomez Fernandez, Juan Pedro Garcia</i>	Passi Perduci
17:20 – 19:20	E	P342: A Graph-Based, In-Memory Workflow Library for Brain/MINDS 2.0 - The Japan Digital Brain Project <i>Speakers: Kenji Doya, Carlos Gutierrez, Henrik Skibbe, Yukako Yamane</i>	Passi Perduci
17:20 – 19:20	E	P343: Rapid and reversible compensatory restructuring of cortical dendritic spines triggered by pharmacological disruption of E/I balance in vivo <i>Speakers: Matthias Kaschube, Dominik Aschauer, Altug Kamacioglu, Pamela Osuna-Vargas, Simon Rumpel, Jochen Triesch, Petros Evgenios Vlachos</i>	Passi Perduci
17:20 – 19:20	E	P344: Stochastic thermodynamics as a framework for modeling synaptic plasticity <i>Speakers: Jan Karbowski</i>	Passi Perduci
17:20 – 19:20	E	P345: Coordinated Cortical Dynamics During Sleep Stabilize Low-Dimensional Motor Representations <i>Speakers: Jaekyung Kim</i>	Passi Perduci
17:20 – 19:20	E	P367: Representational drift as a correlate of memory consolidation <i>Speakers: Denis Alevi, Simone Ciceri, Henning Sprekeler, Kristine Heiney, Felix Lundt</i>	Passi Perduci

B Break **K** Keynote **O** Oral session **L** Oral session featured **S** Oral session talk **N** Poster session
E Posters **R** Reception/party **G** Registration/organization

JULY 7 • MONDAY

PINNED 08:30 – 19:00	G Registration	
PINNED 09:00 – 10:10	K Announcements and Keynote #3: Ken Miller, "Perturbations and Decisions" <i>Speakers: Ken Miller</i>	Auditorium - Plenary Room
PINNED 10:10 – 10:40	B Coffee break	
PINNED 10:40 – 12:30	O Oral session 3: Perturbing the brain <i>Speakers: Amélie Ausseil</i>	Auditorium - Plenary Room
10:41 – 11:10	L FO3: Single-cell optogenetic perturbations reveal stimulus-dependent network interactions <i>Speakers: Deyue Kong</i>	Auditorium - Plenary Room
11:10 – 11:30	S O9: Predicting neural responses to intra- and extracranial electric brain stimulation by means of the reciprocity theorem <i>Speakers: Torbjørn V. Ness</i>	Auditorium - Plenary Room
11:30 – 11:50	S O10: Time precise closed-loop protocols for non-invasive infrared laser neural stimulation <i>Speakers: Alicia Garrido-Peña</i>	Auditorium - Plenary Room
11:50 – 12:10	S O11: LTP-induced changes in spine geometry and actin dynamics on the timescale of the synaptic tag <i>Speakers: Mitha Thomas</i>	Auditorium - Plenary Room
12:10 – 12:30	S O12: Feedforward and Feedback Inhibition Flexibly Modulates Theta-Gamma Cross-Frequency Interactions in Neural Circuits <i>Speakers: Dimitrios Chalkiadakis</i>	Auditorium - Plenary Room
PINNED 12:30 – 14:00	B Lunch break	
12:30 – 14:00	G OCNS Board meeting	Room 12
PINNED 14:00 – 15:50	O Oral session 4: Modeling Disease <i>Speakers: Nada Yousif</i>	Auditorium - Plenary Room
14:01 – 14:30	L FO4: Automated identification of disease mechanisms in hiPSC-derived neuronal networks using simulation-based inference <i>Speakers: Nina Doorn</i>	Auditorium - Plenary Room
14:30 – 14:50	S O13: Linking hubness, embryonic neurogenesis, transcriptomics and diseases in human brain networks <i>Speakers: Paolo Bonifazi</i>	Auditorium - Plenary Room
14:50 – 15:10	S O14: Back to the Future: Integrating Event-Based and Network Diffusion Models to Predict Individual Tau Progression in Alzheimer's Disease <i>Speakers: Robin Sandell</i>	Auditorium - Plenary Room
15:10 – 15:30	S O15: The Virtual Parkinsonian Patient: the effects of L-dopa and Deep brain Stimulation on whole-brain dynamics <i>Speakers: Marianna Angiolelli</i>	Auditorium - Plenary Room

15:30 – 15:50	S	O16: Cortical Oscillatory Dynamics in Parkinsonian Networks: Biomarkers and the Potential of Theta Frequency Stimulation <i>Speakers: Jeeyune(jiyoun) Jung</i>	Auditorium - Plenary Room
PINNED 15:50 – 16:20	B	Coffee break	
PINNED 16:20 – 18:20	N	Poster session 2	Passi Perduti
16:20 – 18:20	E	P001: A Recurrent Neural Network Model of Cognitive Map Development <i>Speakers: Thomas Wills, Marco P. Abrate, Caswell Barry</i>	Passi Perduti
16:20 – 18:20	E	P005: Graph-Based AI Models for Predicting Olfactory Responsiveness: Applications in Olfactory Virtual Reality <i>Speakers: Carolina Andrade, Jonas G. da Silva Junior, MERYCK FELIPE BRITO DA SILVA, Ester Souza, João P. C. G. Fernandes, Cleiver B. da Silva, Melina Mottin, Arlindo R. Galvão Filho</i>	Passi Perduti
16:20 – 18:20	E	P108: Bayesian Inference Across Brain Scales <i>Speakers: Marmaduke Woodman, Spase Petkoski, Viktor Jirsa, Nina Baldy, Meysam Hashemi, Abolfazl Ziaemehr, Amirhossein Esmaeili</i>	Passi Perduti
16:20 – 18:20	E	P114: Modelling the bistable cortical dynamics of the sleep-onset period <i>Speakers: Zhenxing Hu, Jean-Julien Aucouturier, Manoj Aravind, Nathan Kutz</i>	Passi Perduti
16:20 – 18:20	E	P115: Structural and Functional Brain Differences in Autistic Aging Using Graph Theoretic Analysis <i>Speakers: Sharon Crook, Dominique Hughes, B. Blair Braden</i>	Passi Perduti
16:20 – 18:20	E	P116: Phase-locking patterns in oscillatory neural networks with diverse inhibitory populations <i>Speakers: Gemma Huguet, Aïda Cunill, Marina Vegué</i>	Passi Perduti
16:20 – 18:20	E	P117: Layer- and Area-Specific Dynamics and Function in Spiking Cortical Neuronal Networks <i>Speakers: Claus Hilgetag, M. Sharif Hussainyar, Dong Li</i>	Passi Perduti
16:20 – 18:20	E	P118: Simulating interictal epileptiform discharges in a whole-brain neural mass model with calcium-mediated bidirectional plasticity <i>Speakers: Mehmet Alihan Kayabas, Elif Koksall Ersoz, Pascal Benquet, Linda Iris Joseph Tomy, Isabelle Merlet Paquin, Fabrice Wendling</i>	Passi Perduti
16:20 – 18:20	E	P119: Computational modeling of the cumulative neuroplastic effects of repeated direct current stimulation <i>Speakers: Mehmet Alihan Kayabas, Elif Koksall Ersoz, Pascal Benquet, Linda Iris Joseph Tomy, Fabrice Wendling</i>	Passi Perduti
16:20 – 18:20	E	P120: Critical neuronal avalanches emerge from excitation-inhibition balanced spontaneous activity <i>Speakers: Maxime Janbon, Mateo Amortegui, Enrique Hansen, Sarah Nourin, German Sumbre, Adrián Ponce-Alvarez</i>	Passi Perduti
16:20 – 18:20	E	P122: Encoding visual familiarity for navigation in a mushroom body SNN trained on ant-perspective views <i>Speakers: Thomas Nowotny, Oluwaseyi Jesusanmi, Amany Amin, Paul Graham</i>	Passi Perduti
16:20 – 18:20	E	P123: Innovative Strategies to Balance Speed and Accuracy in P300-ERP Detection for Enhanced Online Brain-Computer Interfaces <i>Speakers: Francisco B Rodriguez, Javier Jiménez</i>	Passi Perduti

16:20 – 18:20	E	P124: Computational Prediction and Empirical Validation of Enhanced LTP Effects with Gentle iTBS Protocols <i>Speakers: Kevin Kadak</i>	Passi Perduti
16:20 – 18:20	E	P125: Modeling the biophysics of computation in the outer plexiform layer of the mouse retina <i>Speakers: Michael Deistler, Kyra Kadhim, Jonas Beck, Ziwei Huang, Philipp Berens, Jakob H Macke, Thomas Euler</i>	Passi Perduti
16:20 – 18:20	E	P126: Predictive Coding in the Drosophila Optic Lobe <i>Speakers: Rintaro Kai, Keisuke Toyoda, Naoya Nishiura, Masataka Watanabe</i>	Passi Perduti
16:20 – 18:20	E	P127: Disentangling Temporal and Amplitude-Driven Contributions to Signal Complexity <i>Speakers: Pablo Varona, Sara Kamali, Fabiano Baroni</i>	Passi Perduti
16:20 – 18:20	E	P128: Electrodiffusion and voltage dynamics in the periaxonal space with spatially detailed finite-element simulations <i>Speakers: Tim Kamsma, René van Roij, Maarten Kole</i>	Passi Perduti
16:20 – 18:20	E	P129: Of mice and men: Dendritic architecture differentiates human from mice neuronal networks <i>Speakers: Lida Kanari, Ying Shi, Alexis Arnaudon, Natali Barros-Zulaica, Ruth Benavides-Piccione, Jay S. Coggan, Javier DeFelipe, Kathryn Hess, Huibert D. Mansvelder, Eline J. Mertens, Julie Meystre, Maurizio Pezzoli, Rodrigo de Campos Perin, Roy T. Daniel, Ron Stoop, Idan Segev, Henry Markram, Christiaan P.J. de Kock</i>	Passi Perduti
16:20 – 18:20	E	P130: Manifold Inference by Maximising Information: Hypothesis-driven extraction of CA1 neural manifolds via information theory <i>Speakers: Mary Ann Go, Simon R Schultz, Michael Kareithi, Pier Luigi Dragotti</i>	Passi Perduti
16:20 – 18:20	E	P131: Personalized Computational Models for Selective and Impact-Driven Brain Stimulation <i>Speakers: Antonino Cassara, Esra Neufeld, Fariba Karimi, Taylor Newton, Melanie Steiner, Niels Kuster</i>	Passi Perduti
16:20 – 18:20	E	P132: Brain Symphony: A Transformer-Driven Fusion of fMRI Time Series and Structural Connectivity <i>Speakers: Moein Khajehnejad, Adeel Razi</i>	Passi Perduti
16:20 – 18:20	E	P133: A Recursive Stability Model of Qualia: Philosophical Self-reference, Neural Attractor Structures, and Experimental Exploration in LLMs <i>Speakers: Chang-Eop Kim</i>	Passi Perduti
16:20 – 18:20	E	P134: Sensory Data Observation is not an Instant Mapping <i>Speakers: Chang Sub Kim</i>	Passi Perduti
16:20 – 18:20	E	P135: Neural dynamics of reversal learning in the prefrontal cortex and recurrent neural networks <i>Speakers: Christopher Kim, Carson Chow, Bruno Averbeck</i>	Passi Perduti
16:20 – 18:20	E	P136: Computational Modeling of Ca²⁺ Blocker Effect in the Thalamocortical Network of Epilepsy: A Dynamic Causal Modeling Study <i>Speakers: Euisun Kim, Jiyoung Kang, Jinseok Eo, Hae-Jeong Park</i>	Passi Perduti
16:20 – 18:20	E	P137: Coordinated Multi-frequency Oscillatory Bursts Enable Time-structured Dynamic Information Transfer <i>Speakers: Jung Young Kim, Jee Hyun Choi, Demian Battaglia</i>	Passi Perduti
16:20 – 18:20	E	P138: Quantifying harmony between direct and indirect pathways in a spiking neural network of the basal ganglia; healthy and Parkinsonian states <i>Speakers: Sang-Yoon Kim, Woosung Lim</i>	Passi Perduti

16:20 – 18:20	E	P139: Break-up and recovery of harmony between direct and indirect pathways in a spiking neural network the basal ganglia; Huntington's disease and treatment <i>Speakers: Sang-Yoon Kim, Woonchang Lim</i>	Passi Perduti
16:20 – 18:20	E	P140: Single-unit responses to dynamic salient visual stimuli in the human medial temporal lobe <i>Speakers: Alina Kiseleva</i>	Passi Perduti
16:20 – 18:20	E	P142: Finite-sampling bias correction for discrete Partial Information Decomposition <i>Speakers: Loren Kocillari, Andreas K. Engel, Tommaso Fellin, Gabriel M. Lorenz, Nicola M. Engel, Marco Celotto, Sebastiano Curreli, Simone B. Malerba, Stefano Panzeri</i>	Passi Perduti
16:20 – 18:20	E	P143: Redundant stimulus encoding in ferret cortex during a lateralized detection task <i>Speakers: Loren Kocillari, Andreas K. Engel, Stefano Panzeri, Edgar Galindo-Leon, Florian Pieper</i>	Passi Perduti
16:20 – 18:20	E	P144: Event-driven eligibility propagation: combining efficiency with biological realism <i>Speakers: Agnes Korcsak-Gorzo, Hans Ekkehard Plesser, David Dahmen, Sacha van Albada, Markus Diesmann, Jesús A. Espinoza Valverde, Jonas Stappmanns, Matthias Bolten</i>	Passi Perduti
16:20 – 18:20	E	P145: Biophysical thalamic neuron models to probe the impact of ultrasound induced heating in the brain <i>Speakers: Nada Yousif, Rikinder Kour, Ayesha Jameel, Joely Smith, Peter Bain, Dipankar Nandi, Brynmor Jones, Rebecca Quest, Wladyslaw Gedroyc, Roman Borisyuk</i>	Passi Perduti
16:20 – 18:20	E	P146: Fast Visual Reorientation in Postsubicular Head-Direction Cells Conditional on Cue Visibility <i>Speakers: Sven Krausse, Emre Neftci, Alpha Renner</i>	Passi Perduti
16:20 – 18:20	E	P147: Latency correction in sparse neuronal spike trains with overlapping global events <i>Speakers: Thomas Kreuz, Arturo Mariani, Federico Senocrate, Jason Mikiel-Hunter, David McAlpine, Barbara Beiderbeck, Michael Pecka, Kevin Lin</i>	Passi Perduti
16:20 – 18:20	E	P148: ELiSe: Efficient Learning of Sequences in Structured Recurrent Networks <i>Speakers: Mihai A. Petrovici, Walter Senn, Federico Benitez, Laura Kriener, Ben von Hünenbein, Kristin Völk, Arno Granier, Timo Gierlich</i>	Passi Perduti
16:20 – 18:20	E	P150: Network vs ROI Perspectives: Brain Connectivity Analysis using Complex Principal Component Analysis <i>Speakers: Puneet Kumar, Alakhsimar Singh, Xiaobai Li, Shella Keilholz, Eric H. Schumacher</i>	Passi Perduti
16:20 – 18:20	E	P151: Between near and far-fields: influence of neuronal morphology and channel density on EEG-like signals <i>Speakers: Paula Kuokkanen, Catherine Carr, Christine Köppl, Richard Kempter</i>	Passi Perduti
16:20 – 18:20	E	P152: Differing Strategies and Neural Representations in the Same Long-Term Information Encoding Task <i>Speakers: Tomoki Kurikawa</i>	Passi Perduti
16:20 – 18:20	E	P153: Efficient estimation of mutual-information rates from spiking data by maximum-entropy models <i>Speakers: Tobias Kühn, Gabriel Mahuas, Ulisse Ferrari</i>	Passi Perduti
16:20 – 18:20	E	P154: Comparison of derivative-based and correlation-based methods to estimate effective connectivity in neural networks <i>Speakers: Niklas Laasch</i>	Passi Perduti
16:20 – 18:20	E	P155: Bayesian Modelling of Explicit and Implicit Timing <i>Speakers: Gianvito Laera, Matthew Vowel, Tasnim Daoudi, Richard André, Sam Gilbert, Zuber Sascha, Matthias Kliegel, Chiara Scarampi</i>	Passi Perduti

16:20 – 18:20	E	P156: Population decoding of visual motion direction in V1 marmoset monkey : effects of uncertainty <i>Speakers: Alexandre Lainé, Nicholas J. Priebe, Guillaume S. Masson, Laurent U. Perrinet, Sophie Deneve</i>	Passi Perduti
16:20 – 18:20	E	P157: Non-monotonic Subthreshold Information Filtering in a Coupled Resonator-Integrator System <i>Speakers: Franquelin Lambert</i>	Passi Perduti
16:20 – 18:20	E	P158: A unified model for estimating short- and long-term synaptic plasticity from stimulation-induced spiking activity <i>Speakers: Milad Lankarany, Arash Rezaei, Mojtaba Madadi Asl</i>	Passi Perduti
16:20 – 18:20	E	P159: Neun, an efficient and customizable open-source library for computational neural modeling and biohybrid circuit design. <i>Speakers: Alicia Garrido-Peña, Angel Lareo, Pablo Varona, Francisco B Rodriguez</i>	Passi Perduti
16:20 – 18:20	E	P160: Preservation of neural dynamics across individuals during cognitive tasks <i>Speakers: Juan Alvaro Gallego, Ioana Lazar, Mostafa Safaie</i>	Passi Perduti
16:20 – 18:20	E	P161: Core-Peripheral Network Topology Facilitates Dynamic State Transitions in the Computational Modeling of Zebrafish Brain <i>Speakers: Hae-Jeong Park, DongMyeong Lee, Yelim Lee</i>	Passi Perduti
16:20 – 18:20	E	P162: Pavlovian Conditioning of a Superburst Generating Neural Network for High-precision Perception of Spatiotemporal Sensory Information <i>Speakers: Kyoung Jin Lee, In Hoi Jeong, Jongmu Kim, Woojun Park</i>	Passi Perduti
16:20 – 18:20	E	P163: Distinct disinhibitory circuits differentially modulate the multisensory integration in a feedforward network <i>Speakers: Seungyoun Lee, Hyun Jae Jang, Kyujin Kang, Yebeen Yoon, Jae-Ho Han</i>	Passi Perduti
16:20 – 18:20	E	P164: Event-Driven Financial Decision Making via Spiking Neural Networks: Neuromorphic-Inspired Approach <i>Speakers: Hoon-hee Kim, TAEHOON LEE</i>	Passi Perduti
16:20 – 18:20	E	P165: Incorporation of Neuromodulation into Predictive-Coding Spiking Neural Networks <i>Speakers: Hae-Jeong Park, DongMyeong Lee, Yelim Lee</i>	Passi Perduti
16:20 – 18:20	E	P167: Active NMDARs expand input rate sensitivity into high-conductance states <i>Speakers: Pawel Herman, Movitz Lenninger, Arvind Kumar, Mikael Skoglund</i>	Passi Perduti
16:20 – 18:20	E	P168: Evaluating Effective Connectivity and Control Theory to Understand rTMS-Induced Network Effects <i>Speakers: Michele Allegra, Riccardo Leone, Xenia Kobeleva</i>	Passi Perduti
16:20 – 18:20	E	P169: Anesthesia modulates the system-wide contributions of identified head neurons in C. elegans <i>Speakers: Avraham Lepsky</i>	Passi Perduti
16:20 – 18:20	E	P170: Competition between symmetric and antisymmetric connections in cortical networks <i>Speakers: Claus Hilgetag, Dong Li</i>	Passi Perduti
16:20 – 18:20	E	P171: Partial Information Decomposition of amplitude and phase stimulus encoding in oscillator models <i>Speakers: Andrea Brovelli, Vinicius Lima Cordeiro, Daniele Marinazzo</i>	Passi Perduti
16:20 – 18:20	E	P173: Large-scale Neural Network Model of the Human Cerebral Cortex Based on High-spatial-resolution Imaging Data <i>Speakers: Chang Liu</i>	Passi Perduti

16:20 – 18:20	E	P174: Functional brain regions analysis using single-neuron morphology-driven reservoir network <i>Speakers: Linus Manubens-Gil, Hanchuan Peng, Yuze Liu</i>	Passi Perduti
16:20 – 18:20	E	P175: A Neurorobotic Framework for Exploring Locomotor Control Following Recovery from Thoracic Spinal Cord Injury <i>Speakers: Andrew Lockhart</i>	Passi Perduti
16:20 – 18:20	E	P176: Plastic Arbor: a modern simulation framework for synaptic plasticity – from single synapses to networks of morphological neurons <i>Speakers: Thorsten Hater, Jannik Luboeinski, Christian Tetylaff, Sebastian Schmitt, Shirin Shafiee, Fabian Bösch</i>	Passi Perduti
16:20 – 18:20	E	P177: Cobrawap: from a specific use-case to a more general scientifically-technologically co-designed tool for neuroscience <i>Speakers: Cosimo Lupo, Robin Gutzen, Federico Marmoreo, Alessandra Cardinale, Michael Denker, Pier Stanislaw Paolucci, Giulia De Bonis</i>	Passi Perduti
16:20 – 18:20	E	P178: Coupling brain network simulation with pharmacokinetics for Parkinson's disease: towards patient-usable digital twins <i>Speakers: Samuel A. Neymotin, Salvador Dura-Bernal, William W Lytton, Adam J. H. Newton, Thomas Wichman, Adriana Galvan, Hong-Yuan Chu, Gunnar Cedersund, Donald Doherty, June Jung, Yoland Smith, Husan Abdurakhimov, Jona Ekström, Henrik Podéus Derelöv, Elin Nyman</i>	Passi Perduti
16:20 – 18:20	E	P179: Introducing the Phase-Relationship Index (PRI): Transmission Delay Shapes In- and Anti-Phase Functional Connectivity in EEG Analysis and Simulation <i>Speakers: William W Lytton, Andrei Dragomir, Ahmet Omurtag</i>	Passi Perduti
16:20 – 18:20	E	P180: DendroTweaks: An interactive approach for unraveling dendritic dynamics <i>Speakers: Roman Makarov, Spyridon Chavlis, Panayiota Poirazi</i>	Passi Perduti
16:20 – 18:20	E	P181: The processing of auditory rhythms in the thalamocortical network throughout the development <i>Speakers: Maryam Ghorbani, Sepideh Sadat Malekjafarian, Sahar Moghimi, Fabrice Wallois</i>	Passi Perduti
16:20 – 18:20	E	P182: Computational aspects of microarousals during awakening from anesthesia <i>Speakers: Maria V. Sanchez-Vives, Leonardo Dalla Porta, Arnau Manasanch, Melody Torao-Angosto</i>	Passi Perduti
16:20 – 18:20	E	P183: Biophysically detailed neuron models with genetically defined ion channels <i>Speakers: Werner Van Geit, Tanguy Damart, Lida Kanari, Henry Markram, Darshan Mandege, Rajnish Ranjan, Stijn van Dorp, Emmanuelle Logette, Aurélien Tristan Jaquier, Daniel Keller, Yann Roussel</i>	Passi Perduti
16:20 – 18:20	E	P184: Spontaneous oscillations and neural avalanches are linked to whisker stimulation response in the rat-barrel and thalamus circuit <i>Speakers: Benedetta Mariani, Ramon Guevara Erra, Mattia Tambaro, Marta Maschietto, Alessandro Leparulo, Stefano Vassanelli, Samir Suweis</i>	Passi Perduti
16:20 – 18:20	E	P185: Fitting the data and describing neural computation with interaural time differences in the human medial superior olive <i>Speakers: Petr Marsalek</i>	Passi Perduti
16:20 – 18:20	E	P186: Spatiotemporal dynamics of FitzHugh-Nagumo based reservoir computing networks for classification tasks <i>Speakers: Oleg Maslennikov</i>	Passi Perduti
16:20 – 18:20	E	P187: Climbing fiber impact on human and mice Purkinje cell spines <i>Speakers: Egidio D'Angelo, Stefano Masoli</i>	Passi Perduti
16:20 – 18:20	E	P188: Neural coding of subthreshold sinusoidal inputs into symbolic temporal spike patterns <i>Speakers: Cristina Masoller</i>	Passi Perduti

16:20 – 18:20	E	P189: Elementary Dynamics of Neural Microcircuits <i>Speakers: Richard Kempter, Stefano Masserini</i>	Passi Perduti
16:20 – 18:20	E	P190: Simulating healthy and diseased behaviour using spiking neurons <i>Speakers: Eirini Mavritsaki, Jennifer Klein, Nirav Porwal, Harreit Allen, Howard Bowman, Virginia Amanatidou, Amy Cook, John Clibbens, Maxine Lintern</i>	Passi Perduti
16:20 – 18:20	E	P191: "Brain Fluidity as a Biomarker for Alzheimer's Disease: Linking Network Dynamics to Clinical Disability Prediction" <i>Speakers: Camille Mazzara, Michele Migliore, Pierpaolo Sorrentino, Gian Marco Duma, Giuditta Gambino, Giuseppe Giglia</i>	Passi Perduti
16:20 – 18:20	E	P192: Identifying Cell-Type-Specific Alterations Underlying Schizophrenia-Related EEG Deficits Using a Multiscale Model of Auditory Thalamocortical Circuits <i>Speakers: Scott McElroy</i>	Passi Perduti
16:20 – 18:20	E	P193: Brief Neurofeedback Training Increases Midline Alpha Activity in Default Mode Network <i>Speakers: Matthew McGowan, Alison Crilly, Rongxiang Tang, Yi-Yuan Tang</i>	Passi Perduti
16:20 – 18:20	E	P194: Strategies for Neurofeedback Success: Exploring the Relationship Between Alpha Power and Mental Effort <i>Speakers: Matthew McGowan, Alison Crilly, Rongxiang Tang, Yi-Yuan Tang</i>	Passi Perduti
16:20 – 18:20	E	P195: Electrical coupling in thalamocortical networks cumulatively reduces cortical correlation to sensory inputs <i>Speakers: Austin Mendoza, Julie Haas</i>	Passi Perduti
16:20 – 18:20	E	P196: Kernel-based LFP estimation in detailed large-scale spiking network model of visual cortex <i>Speakers: Alberto Mazzoni, Gaute Einevoll, Torbjørn V. Ness, Atle Rimehaug, Nicolo Meneghetti</i>	Passi Perduti
16:20 – 18:20	E	P197: Resilience of local microcircuitry firing dynamics to selective connectivity degeneration <i>Speakers: Demian Battaglia, Arvind Kumar, Simachew Mengiste, Ad Aertsen</i>	Passi Perduti
16:20 – 18:20	E	P198: Binary Brains: Excitable Dynamics Simplify Neural Connectomes <i>Speakers: Claus Hilgetag, Arnaud Messé, Marc-Thorsten Hütt</i>	Passi Perduti
16:20 – 18:20	E	P199: Efficient slope detection with regular spiking and bursting point neuron models <i>Speakers: Volker Steuber, Rebecca Miko, Marcus Scheunemann, Michael Schmuker</i>	Passi Perduti
16:20 – 18:20	E	P200: Modeling the response of cortical cell populations to transcranial magnetic stimulation <i>Speakers: Thomas R. Knösche, Konstantin Weise, Aaron Miller</i>	Passi Perduti
16:20 – 18:20	E	P201: HoloNeV: Holographic visualization tool for neural network activity <i>Speakers: Sergio Mauro Solinas, Rosanna Migliore, Michele Migliore, Safeer Mirani, Pirah Memon, Beniamina Mercante, Paolo Enrico</i>	Passi Perduti
16:20 – 18:20	E	P202: Implementation of an SNN-based LLM <i>Speakers: Tomohiro Mitsuhashi, Rin Kuriyama, Tadashi Yamazaki</i>	Passi Perduti
16:20 – 18:20	E	P203: Reciprocity and Hierarchical Organization in the Resting-State Brain: Implications for Efficient Connectivity <i>Speakers: Guillermo Montaña-Valverde</i>	Passi Perduti
16:20 – 18:20	E	P204: Brain-like networks emerge from distance dependence and preferential attachment <i>Speakers: Aitor Morales-Gregorio, Karolína Korvasová</i>	Passi Perduti
16:20 – 18:20	E	P205: High-frequency oscillations in primate visual areas: Critical insights into neural population dynamics or mere spike artifacts? <i>Speakers: Aitor Morales-Gregorio, Karolína Korvasová, Katarína Studeničová</i>	Passi Perduti

16:20 – 18:20	E	P206: Synaptic Topography Influences Dendritic Integration in Drosophila Looming Responsive Descending Neurons <i>Speakers: Anthony Moreno-Sanchez, Alexander Vasserman, HyoJong Jang, Bryce Hina, Catherine von Reyn, Jessica Ausborn</i>	Passi Perduci
16:20 – 18:20	E	P207: From evolution to creation of spiking neural networks using graph-based rules <i>Speakers: Volker Steuber, Yaqoob Muhammad, Emil Dmitruk, Shabnam Kadir</i>	Passi Perduci
16:20 – 18:20	E	P208: Integration of a Purkinje cell model including morphological details with a bidirectional synaptic plasticity model <i>Speakers: Tadashi Yamazaki, Takeki Mukaida, Kaaya Akira</i>	Passi Perduci
16:20 – 18:20	E	P209: Action Potential Propagation in Branching Axons <i>Speakers: Erin Munro-Krull, Lucas Swanson, Laura Zittlow</i>	Passi Perduci
16:20 – 18:20	E	P210: Biochemically detailed modelling of cortical synaptic plasticity: the effects of timing of neuromodulatory inputs on LTP/LTD <i>Speakers: Verónica Mäki-Marttunen, Tuomo Mäki-Marttunen</i>	Passi Perduci
16:20 – 18:20	E	P211: Modeling Burst Variability in Beta-Gamma Oscillations Through Layer-Specific Inhibition <i>Speakers: Manoj Nandi</i>	Passi Perduci
16:20 – 18:20	E	P212: Delayed feedback and the precision of a neural oscillator in weakly electric fish <i>Speakers: Parisa Nazemi, John Lewis</i>	Passi Perduci
16:20 – 18:20	E	P213: logLIRA: a novel algorithm for intracortical microstimulation artifacts suppression <i>Speakers: Francesco Negri, David J. Guggenmos, Federico Barban</i>	Passi Perduci
16:20 – 18:20	E	P214: A Canonical Microcircuit of Predictive Coding Under Efficient Coding Principles <i>Speakers: Elnaz Nemati, Catherine Davey, Hamish Meffin, Anthony Burkitt</i>	Passi Perduci
16:20 – 18:20	E	P215: Superior Temporal Interference Stimulation Targeting using Surrogate-based Multi-Goal Optimization <i>Speakers: Esra Neufeld, Fariba Karimi, Melanie Steiner, Niels Kuster, Cedric Bujard</i>	Passi Perduci
16:20 – 18:20	E	P216: Modeling spreading depolarization in control and ischemic neocortical microcircuits using immunostained identify capillaries <i>Speakers: Robert Andrew McDougal, William W Lytton, Adam J. H. Newton, Craig Kelley, Amy Guo, Joy Wang, Sydney Zink, Marcello DiStasio</i>	Passi Perduci
16:20 – 18:20	E	P217: The Generalized Activating Function: Accelerating Axonal Dynamics Modeling for Spinal Cord Stimulation Optimization <i>Speakers: Esra Neufeld, Taylor Newton, Niels Kuster, Abdallah Alashqar, Andreas Rowald, Javier Garcia Ordóñez</i>	Passi Perduci
16:20 – 18:20	E	P219: Training the Drosophila Connectome as an Autoencoder - Reproduction of Direction Selectivity in T4/T5 Cells - <i>Speakers: Keisuke Toyoda, Naoya Nishiura, Masataka Watanabe</i>	Passi Perduci
16:20 – 18:20	E	P221: Psilocybin Accelerates EEG Microstate Transitions and Elevates Approximate Entropy <i>Speakers: Adeel Razi, Filip Novicky, Fleur Zeldenrust</i>	Passi Perduci
16:20 – 18:20	E	P222: Computational framework for analyzing oscillatory patterns in neural circuit models <i>Speakers: Samuel A. Neymotin, Nikita Novikov, Salvador Dura-Bernal, Chelsea Ekwughalu</i>	Passi Perduci
16:20 – 18:20	E	P223: Auto-adjoint method for Spiking Neural Networks <i>Speakers: Thomas Nowotny, James Knight</i>	Passi Perduci
16:20 – 18:20	E	P243: Hierarchical fluctuations scales in whole-brain resting activity <i>Speakers: Adrián Ponce-Alvarez</i>	Passi Perduci

16:20 – 18:20	E	P313: Individual differences in neural representations of face dimensions: Insights from Super-Recognisers <i>Speakers: martina ventura, Tijl Grootswagers, Manuel Varlet, David White, James Dunn, Genevieve Quek</i>	Passi Perduti
16:20 – 18:20	E	P346: Simulation of electric field distribution based on electrode placement: optimization of electrical nerve stimulation for wound regeneration <i>Speakers: Suhyeok Kim, Eunkyong Park</i>	Passi Perduti
16:20 – 18:20	E	P347: Single-cell optogenetic perturbations reveal stimulus-dependent network interactions <i>Speakers: Deyue Kong, Lorenzo Butti, Matthias Kaschube, Joe Barreto, Greg Bond, Benjamin Scholl</i>	Passi Perduti
16:20 – 18:20	E	P348: Cracking the burst code of the central pattern generator for locomotion via Bayesian modeling <i>Speakers: florent krust, Frédéric Brocard, Matthieu Gilson, Cyprien Dautrevaux</i>	Passi Perduti
16:20 – 18:20	E	P349: Decomposing natural stimulus-specific sensory neural information using a validated model of the retina and diffusion models <i>Speakers: Ulisse Ferrari, Simone Azeglio, Matthew Chalk, Steeve Laquitaine, Carlo Paris</i>	Passi Perduti
16:20 – 18:20	E	P350: Strategies and Representations Developed by Deep Reinforcement Learning Agents in a Risk-Taking Learning Task <i>Speakers: Elliot H. Smith, Alla Borisyuk, Andrew Liu</i>	Passi Perduti
16:20 – 18:20	E	P351: Context-dependent influences of local and non-local connectivity on macroscale cortical activity <i>Speakers: Ben Fulcher, Rishi Maran, Eli Muller</i>	Passi Perduti
16:20 – 18:20	E	P352: Characterization of the multifractal spatial scaling of brain dynamics and its breakdown in disorders of consciousness <i>Speakers: Gustavo Deco, Marian Martínez Marín, Yonatan Sanz-Perl</i>	Passi Perduti
16:20 – 18:20	E	P353: Beyond catastrophic forgetting in associative networks with self-interactions <i>Speakers: Maurizio Mattia, Gianni V. Vinci, Andrea Galluzzi</i>	Passi Perduti
16:20 – 18:20	E	P354: Linking age changes in human neuronal microcircuits to impaired brain function and EEG biomarkers <i>Speakers: Etay Hay, Alexandre Guet McCreight, Etienne Sibille, Shreejoy J. Tripathy</i>	Passi Perduti
16:20 – 18:20	E	P355: Kinetic modeling approach for a heterogeneous neuronal network activity using adjacency matrices <i>Speakers: Carmen Alina Lupascu, Addolorata Marasco, Marco Menale, Riaz Shah, Caterina Tribuzi</i>	Passi Perduti
16:20 – 18:20	E	P356: Curl Descent: Non-Gradient Learning Dynamics with Sign-Diverse Plasticity <i>Speakers: N Alex Cayco-Gajic, Jonathan Kadmon, Hugo Ninou</i>	Passi Perduti
17:20 – 19:20	E	P085: Biological validation of a computational model of nitric oxide dynamics by emulating the nitric oxide diffusion experiment in the endothelium <i>Speakers: Salvador Dura-Bernal, Pablo Fer, Ylermi Cabrera-León, Patricio García Báez, Scott McElroy, Carmen Paz Suárez-Araujo</i>	Passi Perduti
PINNED 19:45 – 21:45	R	Banquet dinner Ristorante Boccanegra, Via Ghibellina, 124 R, 50122 Firenze FI, Italy (Via Ghibellina, 124 R, 50122 Firenze FI, Italy)	

B Break **K** Keynote **N** Poster session **E** Posters **R** Reception/party **G** Registration/organization

W Workshop **H** Workshops

JULY 8 • TUESDAY

PINNED 08:30 – 19:00	G	Registration	
PINNED 09:00 – 10:30	H	Workshops Rooms 4, 5, 6, 9, 101, 103, 202, 203, Hall 1A, Hall 2B, Hall 3B, Belvedere, Onice, Auditorium, or TBA by workshop organizers	
09:00 – 12:30	W	Advancing Mathematical Methods in Neuroscience Data Analysis <i>Speakers: Dave Boothe, Piotr Franaszczuk, Vasileios Maroulas, Ioannis Schizas, Brittany Story</i>	Hall 2B
09:00 – 12:30	W	Brain-Inspired Computing <i>Speakers: Yunliang Zang, Guozhang Chen</i>	Room 5
09:00 – 12:30	W	Enabling synaptic plasticity, structural plasticity, and mutil-scale modeling with morphologically detailed neurons using Arbor <i>Speakers: Thorsten Hater, Han Lu</i>	Belvedere room
09:00 – 12:30	W	Inference Methods for Neuronal Models: from Network Activity to Cognition <i>Speakers: Matthieu Gilson, Meysam Hahsemi</i>	Hall 2A
09:00 – 12:30	W	Mechanisms for Oscillatory Neural Synchrony <i>Speakers: Carmen Canavier</i>	Room 6
09:00 – 12:30	W	Multiscale Modeling of Electromagnetic Field Perturbations on Neural Activity <i>Speakers: Claudia Casellato, Alberto Arturo Vergani</i>	Hall 3B
09:00 – 12:30	W	Neuromodulation, sleep-dependent brain dynamics and information processing <i>Speakers: Michal Zochowski, Sara Aton</i>	Room 9
09:00 – 12:30	W	NeuroXAI: Explainable AI for Understanding Biological Brains <i>Speakers: Jie Mei, Nina Hubig, Subham Dey, Claudia Plant</i>	Onice Room
09:00 – 13:00	W	Cross-species modeling of brain structure and dynamics <i>Speakers: Eli Justin Muller, James Pang</i>	Auditorium
09:00 – 12:30	W	Linking structure, dynamics, and function in neuronal networks: old challenges and new directions <i>Speakers: Wilhelm Braun, Kayson Fakhar, Claus C Hilgetag</i>	Room 101
09:00 – 17:30	W	Computational strategies in epilepsy modelling and seizure control <i>Speakers: Isa Dallmer-Zerbe, Guillaume Girier, Jaroslav Hlinka, Helmut Schmidt</i>	Room 202
09:00 – 17:30	W	Population activity: the influence of cell-class identity, synaptic dynamics, plasticity and adaptation <i>Speakers: Michele GIUGLIANO, Simona OLMi, Alessandro TORCINI</i>	Room 4
09:00 – 17:30	W	Workshop on Methods of Information Theory in Computational Neuroscience <i>Speakers: Marilyn Gatica, Joseph T. Lizier, Abdullah Makkeh, Pedro A.M. Mediano, Michael Wibral</i>	Room 203
PINNED 10:30 – 11:00	B	Coffee break	
PINNED 11:00 – 12:30	H	Workshops Rooms 4, 5, 6, 9, 101, 103, 202, 203, Hall 1A, Hall 2B, Hall 3B, Belvedere, Onice, Auditorium, or TBA by workshop organizers	

PINNED 12:30 – 14:00	B Lunch break	
PINNED 14:00 – 15:20	K Keynote #4: Maurizio Mattia, "Learning to infer transitively on a mental line in premotor cortex" <i>Speakers: Maurizio Mattia</i>	Auditorium - Plenary Room
PINNED 15:20 – 15:30	G Conference photo	TBA
PINNED 15:30 – 16:00	B Coffee break	
PINNED 16:00 – 17:00	G Member's meeting	Auditorium - Plenary Room
PINNED 17:00 – 19:00	N Poster session 3	Passi Perduti
17:00 – 19:00	E P0271: Fast and Flexible Spiking Network Simulations on Massively Distributed Memory   <i>Speakers: Catherine Mia Schoefmann, Jan Finkbeiner, Susanne Kunkel</i>	Passi Perduti
17:00 – 19:00	E P091: Dynamic causal modelling (DCM) for effective connectivity in MEG High-Gamma-Activity: a data-driven Markov-Chain Monte Carlo approach <i>Speakers: Matthieu Gilson, Pedro García Rodríguez, Jean-Didier Lemarechal, Andrea Brovelli</i>	Passi Perduti
17:00 – 19:00	E P224: Four-compartment model of dopamine dynamics at the nigrostriatal synaptic site <i>Speakers: Alex O'Hare</i>	Passi Perduti
17:00 – 19:00	E P225: Time-to-first-spike encoding in layered networks evokes label-specific synfire chain activity <i>Speakers: Mihai A. Petrovici, Junji Ito, Sonja Gruen, Julian Goeltz, Laura Kriener, Jonas Oberste-Frielinghaus, Anno C. Kurth</i>	Passi Perduti
17:00 – 19:00	E P226: Astrocyte modulation of neural oscillations: mechanisms underlying slow wave activity in cortical networks <i>Speakers: Thiago Ohno Bezerra, Antonio Carlos Roque</i>	Passi Perduti
17:00 – 19:00	E P228: Multi-scale Spiking Network Model of Human Cerebral Cortex <i>Speakers: Claus Hilgetag, Sacha van Albada, Renan Oliveira Shimoura, Jari Pronold, Alexander van Meegen, Mario Senden, Rembrandt Bakker</i>	Passi Perduti
17:00 – 19:00	E P229: Exploring Electroencephalographic (EEG) Models of Brain Activity using Automated Modelling Techniques <i>Speakers: Nina Omejc, Sabin Roman, Ljupčo Todorovski, Sašo Džeroski</i>	Passi Perduti
17:00 – 19:00	E P231: Emotional network modelling: whole brain simulations of fear conditioning in humans <i>Speakers: Claudia Casellato, Danilo Benozzo, Egidio D'Angelo, Dianela Andreina Osorio-Becerra, Andrea Fusari, Ashika Roy, Andreas Frick, Fulvia Palesi</i>	Passi Perduti
17:00 – 19:00	E P232: Centralized brain networks underlie grooming body part coordination <i>Speakers: Pembe Gizem Ozdil, Clara Scherrer, Jonathan Arreguit, Auke Ijspeert, Pavan Ramdya</i>	Passi Perduti
17:00 – 19:00	E P233: Extracellular K⁺ hotspots regulate synaptic integration in the dendrites of pyramidal neurons <i>Speakers: Athanasia Papoutsis</i>	Passi Perduti
17:00 – 19:00	E P234: Complexity of an astrocyte-neuron network model in random and hub-driven connectivity <i>Speakers: Marco Cafiso, Paolo Paradisi, Enrico Cataldo, Giulia Salzano</i>	Passi Perduti

17:00 – 19:00	E	P235: Beyond the Response: How Post-Response EEG Signals Improve Lie Detection <i>Speakers: Hoon-hee Kim, Hanbeot Park</i>	Passi Perduti
17:00 – 19:00	E	P236: Arousal-driven parametric fluctuations augment computational models of dynamic functional connectivity <i>Speakers: Demian Battaglia, Anagh Pathak</i>	Passi Perduti
17:00 – 19:00	E	P237: Modelling of ensemble of signals in single axons <i>Speakers: Tanel Peets, Kert Tamm, Jüri Engelbrecht</i>	Passi Perduti
17:00 – 19:00	E	P238: Identifying cortical learning algorithms using brain-machine interfaces <i>Speakers: Denis Alevi, Henning Sprekeler, Sofia Pereira da Silva, Friedrich Schuessler</i>	Passi Perduti
17:00 – 19:00	E	P241: Parameter Estimation in Differentiable Whole Brain Networks: Methodological Explorations and Practical Limitations <i>Speakers: Marius Pille</i>	Passi Perduti
17:00 – 19:00	E	P242: Cytoelectric coupling: How electric fields tune Hebb's cell assemblies <i>Speakers: Dimitrios Pinotsis, Earl K. Miller</i>	Passi Perduti
17:00 – 19:00	E	P244: Multi-network Modeling of Parkinson's Disease: Bridging Dopaminergic Modulation and Vibrotactile Coordinated Reset Therapy <i>Speakers: Claus Hilgetag, Mariia Popova, Fatemeh Sadeghi, Simone Zittel</i>	Passi Perduti
17:00 – 19:00	E	P245: Computational modeling of neural signal disruptions to predict multiple sclerosis progression <i>Speakers: Vishnu Prathapan, Peter Eipert, Markus Kipp, Revathi Appali, Oliver Schmitt</i>	Passi Perduti
17:00 – 19:00	E	P246: A Computational Pipeline for Simulating Mouse Visual Cortex Microcircuits with Spiking Neural Networks <i>Speakers: Alberto Antonietti, Margherita Premi, Alessandra Pedrocchi, Carlo Andrea Sartori, Giancarlo Ferrigno, Fiorenzo Artoni</i>	Passi Perduti
17:00 – 19:00	E	P247: Basic organization of spinal locomotor network derived from hindlimb design and locomotor demands <i>Speakers: Boris Prilutsky, Alexander Klishko, Mohammadali Rahmati, Sergey Markin, Natalia Shevtsova, Alain Frigon, Ilya Rybak</i>	Passi Perduti
17:00 – 19:00	E	P248: The Neuron as a Self-Supervised Rectified Spectral Unit (ReSU) <i>Speakers: Shanshan Qin, Joshua Pughe-Sanford, Alexander Genkin, Philip Greengard, Dmitri Chklovskii, Pembe Gizem Özdil</i>	Passi Perduti
17:00 – 19:00	E	P249: Brain-wide calcium imaging in zebrafish and generative network modelling reveal cell-level functional network properties of seizure susceptibility <i>Speakers: Wei Qin</i>	Passi Perduti
17:00 – 19:00	E	P250: A computational study of the influence of circadian adaptive mechanisms on signal processing in retinal circuits <i>Speakers: Laure Buhry, Laetitia Raison-Aubry, Nange Jin, Christophe P. Ribelayga</i>	Passi Perduti
17:00 – 19:00	E	P251: Second-order neural field models capture the power spectrum and other nonlinear features of EEG signals in an interval timing task <i>Speakers: Ian Ramsey, Rodica Curtu</i>	Passi Perduti
17:00 – 19:00	E	P252: Developments around MOOSE for modeling in Systems Biology and Neuroscience <i>Speakers: Upinder Bhalla, Anal Kumar, Subhasis Ray, Gv Harsharani, Ashish Anshuman, Parita Mehta, Jayesh Poojari, Deepa Sm</i>	Passi Perduti
17:00 – 19:00	E	P253: Higher-Threshold Neurons Boost Information Encoding in Spiking Neural Networks <i>Speakers: Fleur Zeldenrust, Farhad Razi</i>	Passi Perduti

17:00 – 19:00	E	P254: Synaptic Population Shapes Form Fingerprints of Brain Areas, Organize Along a Rostro-Caudal Axis <i>Speakers: Martin Rehn, Erik Fransén</i>	Passi Perduti
17:00 – 19:00	E	P255: Quantifying Negative Feedback Inhibition in Epilepsy to Assess Excitability <i>Speakers: Thomas Richner, Nicholas Gregg, Raunak Singh, Keith Starnes, Dora Hermes, Jamie Van Gompel, Gregory Worrell, Brian Lundstrom</i>	Passi Perduti
17:00 – 19:00	E	P256: Structural and evolutionary insights of the neuropeptide connectome of Caenorhabditis species <i>Speakers: Lidia Ripoll-Sánchez, Itai Antoine Toker, Oliver Hobert, Isabel Beets, Petra E. Vértés, William R. Schafer</i>	Passi Perduti
17:00 – 19:00	E	P257: Basket cell computational modeling predicts signal filtering of Purkinje cell responses <i>Speakers: Egidio D'Angelo, Stefano Masoli, Martina Francesca Rizza, Teresa Soda, Francesca Prestori</i>	Passi Perduti
17:00 – 19:00	E	P258: Reconstruction and simulation of the mouse cerebellar declive: an atlas-based approach <i>Speakers: Claudia Casellato, Egidio D'Angelo, Dimitri Rodarie, Dianela Osorio</i>	Passi Perduti
17:00 – 19:00	E	P259: Local multi-gridding for detailed morphology, spines and synapses <i>Speakers: Robert Andrew McDougal, William W Lytton, Cecilia Romaro</i>	Passi Perduti
17:00 – 19:00	E	P260: Oscillatory activity patterns in a detailed model of the prefrontal cortex <i>Speakers: Antonio Carlos Roque, Marcelo Rempel</i>	Passi Perduti
17:00 – 19:00	E	P261: Properteis of intermittent synchrony of gamma rhythm oscillations <i>Speakers: Leonid Rubchinsky, Quynh-Anh Nguyen</i>	Passi Perduti
17:00 – 19:00	E	P262: Mechanisms of bistability in spinal motoneurons and its regulation <i>Speakers: Ilya Rybak, Yaroslav Molkov, Thomas Stell, florent krust, Frédéric Brocard</i>	Passi Perduti
17:00 – 19:00	E	P263: Enhancing Neuronal Modeling with a Modified Hodgkin-Huxley Approach for Ion Channel Dynamics <i>Speakers: Arij Daou, Batoul Saab, Jihad Fahes</i>	Passi Perduti
17:00 – 19:00	E	P264: Paths to depolarization block: modeling neuron dynamics during spreading depolarization events <i>Speakers: Viktor Jirsa, Marisa Saggio, Damien Depannemaecker, Roustem Khazipov, Daria Vinokurova, Azat Nasretidinov, Christophe Bernard</i>	Passi Perduti
17:00 – 19:00	E	P265: Bifurcations and bursting in the Epileptor <i>Speakers: Viktor Jirsa, Marisa Saggio</i>	Passi Perduti
17:00 – 19:00	E	P266: Two distinct bursting mechanisms in cold-sensitive neurons of Drosophila Larva <i>Speakers: Akira Sakurai, Natalia V. Maksymchuk, Sergiy M. Korogod, Daniel N. Cox, Gennady Cymbalyuk</i>	Passi Perduti
17:00 – 19:00	E	P267: Real-time closed-loop perturbation of electrically coupled neurons to characterize sequential dynamics in CPG circuits <i>Speakers: Alicia Garrido-Peña, Pablo Varona, Francisco B Rodriguez, Pablo Sánchez-Martín, Manuel Reyes-Sanchez, Irene Elices, Rafael Levi</i>	Passi Perduti
17:00 – 19:00	E	P268: Modelling Nitric Oxide Diffusion and Plasticity Modulation in Cerebellar Learning <i>Speakers: Alberto Antonietti, Alessandra Pedrocchi, Carlo Andrea Sartori, Alessandra Maria Trapani, Benedetta Gambosi</i>	Passi Perduti
17:00 – 19:00	E	P269: Modeling Calcium-Mediated Spike-Timing Dependent Plasticity in Spiking Neural Networks <i>Speakers: Alberto Antonietti, Francesco De Santis, Alessandra Pedrocchi, Carlo Andrea Sartori, Leo Cottini, Riccardo Mainetti, Matteo Maresca</i>	Passi Perduti

17:00 – 19:00	E	P270: Subthreshold extracellular electric fields alter how neurons respond to naturally occurring synaptic inputs in temporal interference stimulation <i>Speakers: Rosanna Migliore, Michele Migliore, Ausra Saudargiene, Adam Williamson, Ieva Kersevičiute</i>	Passi Perduci
17:00 – 19:00	E	P272: Modeling unsigned temporal difference errors in apical dendrites of L5 neurons <i>Speakers: Walter Senn, Gwendolin Schoenfeld, Matthias Chinyen Tsai, Fritjof Helmchen</i>	Passi Perduci
17:00 – 19:00	E	P273: A three-state model for the temporal statistics of mouse behavior <i>Speakers: Henning Sprekeler, Friedrich Schuessler, Paul Mieske, Anne Jaap</i>	Passi Perduci
17:00 – 19:00	E	P274: Dynamics of sensory stimulus representations in recurrent neural networks and in mice <i>Speakers: David Dahmen, Lars Schutzeichel, Jan Bauer, Peter Bouss, Simon Musall, Moritz Helias</i>	Passi Perduci
17:00 – 19:00	E	P275: A Computational Framework for Investigating the Impact of Neurostimulation on Different Configurations of Neuronal Assemblies <i>Speakers: Milad Lankarany, Spandan Sengupta</i>	Passi Perduci
17:00 – 19:00	E	P276: Simulation tools for reaction-diffusion modeling <i>Speakers: Marja-Leena Linne, Tiina Manninen, Tuomo Mäki-Marttunen, Saana Seppälä, Laura Keto, Derek Ndubuaku, Annika Mäki</i>	Passi Perduci
17:00 – 19:00	E	P277: Relation of metaplasticity with Hebbian, structural and homeostatic plasticities in recurrent neural networks <i>Speakers: Muhammad Abdul-Amir Shamkhi Al-Shalah, Neda Khalili Sabet, Delaram Eslimi Esfahani</i>	Passi Perduci
17:00 – 19:00	E	P278: Speeding-up Distinct Bursting Regimes is Mediated by Separate Coregulation Pathways <i>Speakers: Gennady Cymbalyuk, Yousif O. Shams, Ronald Calabrese</i>	Passi Perduci
17:00 – 19:00	E	P279: Bridging In Vitro and In Vivo Neural Data for Ethical and Efficient Neuroscience Research <i>Speakers: Masanori Shimono</i>	Passi Perduci
17:00 – 19:00	E	P280: Cerebellar neural manifold encoding complex eye movements in 2D <i>Speakers: Juliana Silva de Deus, Akshay Markanday, Erik De Schutter, Peter Thier, Sungho Hong</i>	Passi Perduci
17:00 – 19:00	E	P281: Data-driven biophysically detailed computational modeling of neuronal circuits with the NeuroML standard and software ecosystem <i>Speakers: Subhasis Ray, Ankur Sinha, Padraig Gleeson, Adam Ponzi, Sotirios Panagiotou, Bóris Marin, Angus Silver</i>	Passi Perduci
17:00 – 19:00	E	P282: Population-level mechanisms of model arbitration in the prefrontal cortex <i>Speakers: Bruno Averbeck, Alireza Soltani, Jae Hyung Woo, Michael Wang, Ramon Bartolo</i>	Passi Perduci
17:00 – 19:00	E	P283: A biophysical model of CA1 pyramidal cell heterogeneity in memory stability and flexible decision-making <i>Speakers: Fei Song, Bailu Si</i>	Passi Perduci
17:00 – 19:00	E	P284: Subthalamic LFP Spectral Decay Captures Movement-Related Differences Between Parkinson's Disease Phenotypes <i>Speakers: Diogo Soriano, Luiz Ricardo Trajano da Silva, Maria Rocha, Slawomir Nasuto, Bradley Voytek, Fabio Godinho</i>	Passi Perduci
17:00 – 19:00	E	P285: A two-region recurrent neural network reproduces the cortical dynamics underlying subjective visual perception <i>Speakers: Artemio Soto-Breceda, Nathan Faivre, João Barbosa, Michael Pereira</i>	Passi Perduci

17:00 – 19:00	E	P286: Learning in Visual Cortex: Sparseness, Balance, Decorrelation, and the Parameters of the Leaky Integrate-and-Fire Model. <i>Speakers: Hamish Meffin, Anthony Burkitt, Martin Spencer, Marko Ruslim, Yanbo Lian, Hinze Hogendoorn</i>	Passi Perduti
17:00 – 19:00	E	P288: Modelling the temperature profile of the retina in response to nanophotonic neuromodulation <i>Speakers: Paul Stoddart, Tatiana Kameneva, Daniel Richardson, James Begeng</i>	Passi Perduti
17:00 – 19:00	E	P290: Rate-based versus spike-triggered contributions in spike-timing-dependent synaptic plasticity <i>Speakers: Jakob Stubenrauch, Benjamin Lindner</i>	Passi Perduti
17:00 – 19:00	E	P291: Weighted sparsity regularization for solving the inverse EEG problem: a case study <i>Speakers: Niranjana Sudheer</i>	Passi Perduti
17:00 – 19:00	E	P292: Single-trial detection of lambda responses in free-viewing EEG measurements <i>Speakers: Iffah Syafiqah Suhaili, Zoltán Nagy, Zoltán Juhász</i>	Passi Perduti
17:00 – 19:00	E	P293: Numerical Analysis of AP Propagation Parameter Thresholds Under Varied Space and Time Discretization <i>Speakers: Erin Munro-Krull, Lucas Swanson, Laura Zittlow</i>	Passi Perduti
17:00 – 19:00	E	P294: Inhibitory-Targeted Plasticity in Developing Thalamocortical Networks <i>Speakers: Matthew Szuromi, Gabriel Ocker</i>	Passi Perduti
17:00 – 19:00	E	P295: How baseline activity determines neural entrainment by transcranial alternating current stimulation (tACS) in recurrent inhibitory-excitatory networks <i>Speakers: Saeed Taghavi</i>	Passi Perduti
17:00 – 19:00	E	P296: The modelling of the action potentials in myelinated nerve fibres <i>Speakers: Tanel Peets, Kert Tamm, Jüri Engelbrecht</i>	Passi Perduti
17:00 – 19:00	E	P297: Autonomous Generation of Neuronal Connection by Axon Guidance Factors <i>Speakers: Atsuya Tange, Shun Ogawa, Minoru Owada, Yuko Ishiwaka</i>	Passi Perduti
17:00 – 19:00	E	P299: iCSD may produce spurious results in dense electrode arrays <i>Speakers: Michael Reimann, Esra Neufeld, Joseph Tharayil</i>	Passi Perduti
17:00 – 19:00	E	P300: The neuron-synapse dynamics control correlational timescales in the developing visual system <i>Speakers: Ruben Tikidji-Hamburyan, Matthew Colonnese</i>	Passi Perduti
17:00 – 19:00	E	P301: A shared algorithmic bound for human and machine performance on a hard inference task <i>Speakers: Daniele Tirinnanzi, Rudy Skerk, Jean Barbier, Eugenio Piasini</i>	Passi Perduti
17:00 – 19:00	E	P302: Is the Cortical dynamics ergodic? <i>Speakers: Alessandro TORCINI, Ferdinand Tixidre, Gianluigi Mongillo</i>	Passi Perduti
17:00 – 19:00	E	P303: Sleep-like Homeostatic and Associative Intra- and Inter-Areal Plasticity Enhances Cognitive and Energetic Performance in Hierarchical Spiking Network <i>Speakers: Cosimo Lupo, Pier Stanislao Paolucci, Leonardo Tonielli, Elena Pastorelli</i>	Passi Perduti
17:00 – 19:00	E	P304: Impulsivity Enhances Random Exploration and Boosts Performance in Loss but not Gain Contexts <i>Speakers: Hazem Toutounji, Lingyu Meng, Alekhya Mandali</i>	Passi Perduti
17:00 – 19:00	E	P305: Developing a Digital Twin of the Drosophila Optical Lobe: A Large-Scale Autoencoder Trained on Natural Visual Inputs Using Complete Connectome Data <i>Speakers: Keisuke Toyoda, Naoya Nishiura, Masataka Watanabe</i>	Passi Perduti

17:00 – 19:00	E	P306: Computational investigation of wave propagation in a desynchronized network <i>Speakers: Maria V. Sanchez-Vives, Leonardo Dalla Porta, Lluc Tresserras Pujadas</i>	Passi Perduti
17:00 – 19:00	E	P307: A Computational Model to Study Effects of Hidden Hearing Loss in Noisy Environments <i>Speakers: Siddhant Tripathy</i>	Passi Perduti
17:00 – 19:00	E	P308: Brain-Inspired Recurrent Neural Network Featuring Dendrites for Efficient and Accurate Learning in Classification Tasks <i>Speakers: Spyridon Chavlis, Panayiota Poirazi, Eirini Troullinou</i>	Passi Perduti
17:00 – 19:00	E	P309: Macaque retina simulator <i>Speakers: Simo Vanni, Henri Hokkanen</i>	Passi Perduti
17:00 – 19:00	E	P310: Feedback input to apical dendrites of L5 pyramidal cells leads to a shift towards a resonance state in V1 cortex <i>Speakers: Simo Vanni, Francescangelo Vedele, Margaux Calice</i>	Passi Perduti
17:00 – 19:00	E	P311: Adjustment of Vesicle Equation in the Modified Stochastic Synaptic Model to Correct Unexpected Behaviour in Frequency Response of Synaptic Efficacy <i>Speakers: Ferney Beltran Velandia, Nico Scherf, Martin Bogdan</i>	Passi Perduti
17:00 – 19:00	E	P312: Modeling Effects of Norepinephrine on Respiratory Neurons <i>Speakers: Sreshta Venkatakrishnan, Andrew Tryba, Alfredo Garcia, Yangyang Wang</i>	Passi Perduti
17:00 – 19:00	E	P314: Neural compensation drives functional resilience in a cerebellar model of schizophrenia <i>Speakers: Claudia Casellato, Alberto Arturo Vergani, Egidio D'Angelo, Marialaura De Grazia, Pawan Faris</i>	Passi Perduti
17:00 – 19:00	E	P315: Towards brain scale simulations using NEST GPU <i>Speakers: Pooja Babu, Pier Stanislao Paolucci, Elena Pastorelli, José Villamar, Gianmarco Tiddia, Luca Sergi, Luca Pontisso, Francesco Simula, Alessandro Lonardo, Bruno Golosio, Johanna Senk</i>	Passi Perduti
17:00 – 19:00	E	P316: Characterization of thalamic stimulus on a cortical column <i>Speakers: Pablo Vizcaino, Alireza Valizadeh, Fernando Maestú, Gianluca Susi</i>	Passi Perduti
17:00 – 19:00	E	P317: Critical dynamics improve performance in deep learning <i>Speakers: Simon Vock, Christian Meisel</i>	Passi Perduti
17:00 – 19:00	E	P318: Algorithmic solutions for spike-timing dependent plasticity in large-scale network simulations with long axonal delays <i>Speakers: Jan Vogelsang</i>	Passi Perduti
17:00 – 19:00	E	P319: Interactions between functional microcircuits involving three inhibitory interneuron subtypes for the surround modulation in V1 <i>Speakers: Tomoki Kurikawa, Nobuhiko Wagatsuma, Sou Nobukawa</i>	Passi Perduti
17:00 – 19:00	E	P320: Updating of spatial memories in a systems-model of vector trace cells in the subiculum <i>Speakers: Fei Wang, Andrej Bicanski</i>	Passi Perduti
17:00 – 19:00	E	P321: Overcoming the space-clamp effect: reliable recovery of local and effective synaptic conductances of neurons <i>Speakers: Ziling Wang</i>	Passi Perduti
17:00 – 19:00	E	P322: Optogenetic inhibition of a hippocampal network model <i>Speakers: Laila Weyn, Thomas Tarnaud, Wout Joseph, Robrecht Raedt, Emmeric Tanghe</i>	Passi Perduti
17:00 – 19:00	E	P323: Modularity and inhibition: the transition from burst-suppression to healthy EEG signals in a microscale model <i>Speakers: Nina Doorn, Guido Wiersma, Michel van Putten</i>	Passi Perduti

17:00 – 19:00	E	P324: Brain Criticality Trajectories in Aging: From Cognitive Slowing to Hyperexcitability <i>Speakers: Leonardo Gollo, Kaichao Wu</i>	Passi Perduti
17:00 – 19:00	E	P325: Disrupted Temporal Dynamics in Stroke: A Criticality Framework for Intrinsic Timescales <i>Speakers: Leonardo Gollo, Kaichao Wu</i>	Passi Perduti
17:00 – 19:00	E	P326: Modeling language evolution with spin glass dynamics <i>Speakers: Hediye Yarahmadi, Alessandro Treves</i>	Passi Perduti
17:00 – 19:00	E	P327: Deciphering the Dynamics of Memory Encoding and Recall in the Hippocampus Using Information Theory and Graph Theory <i>Speakers: Mary Ann Go, Simon R Schultz, Jess Yu, Hardik Rajpal</i>	Passi Perduti
17:00 – 19:00	E	P328: Modelling the impacts of Alzheimer's Disease and Aging on Self-Location and Spatial Memory <i>Speakers: Andrej Bicanski, Aleksei Zabolotnii, Christian Doeller</i>	Passi Perduti
17:00 – 19:00	E	P329: The effect of overfitting on spatial perception and flight trajectories in pigeons <i>Speakers: Margarita Zaleshina, Alexander Zaleshin</i>	Passi Perduti
17:00 – 19:00	E	P330: Quantitative Analysis of Artificial Intelligence Integration in Neuroscience <i>Speakers: Alex Zhang, Hui Liu</i>	Passi Perduti
17:00 – 19:00	E	P331: Vitrual Brain Inference(VBI): A Toolkit for Probabilistic Inference in Virtual Brain Models <i>Speakers: Marmaduke Woodman, Spase Petkoski, Viktor Jirsa, Meysam Hashemi, Abofazl Ziaemehr, Lia Domide</i>	Passi Perduti
17:00 – 19:00	E	P332: Relating Input Resistance and Sodium Conductance <i>Speakers: Erin Munro-Krull, Lucas Swanson, Laura Zittlow</i>	Passi Perduti
17:00 – 19:00	E	P333: Synaptic transmission during ischemia and recovery: a biophysical model including the complete glutamate-glutamine cycle <i>Speakers: Hannah van Susteren</i>	Passi Perduti
17:00 – 19:00	E	P334: Connectivity-based tau propagation and PET microglial activation in the Alzheimer's disease spectrum <i>Speakers: Marco Öchsner</i>	Passi Perduti
17:00 – 19:00	E	P357: Simulating the point of no return in human volitional action in a brain-constrained model of sensory and motor areas <i>Speakers: Nick Griffin, Max Garagnani, Felix Noble</i>	Passi Perduti
17:00 – 19:00	E	P358: Non-homogeneous axonal bouton distributions constrain whole-brain single-cell network topology <i>Speakers: Linus Manubens-Gil, Hanchuan Peng, Shengdian Jiang, Penghao Qian</i>	Passi Perduti
17:00 – 19:00	E	P359: Probing the rules of engagement for cooperation: costs-benefits computations guiding decisions in interacting macaques <i>Speakers: Alexandra Battaglia-Mayer, Stefano Grasso, Irene Lacal, Virginia Papagni, Eros Quarta</i>	Passi Perduti
17:00 – 19:00	E	P360: Perceptual Compression of Evidence in Intuitive Model Selection <i>Speakers: Eugenio Piasini, Francesco Guido Rinaldi</i>	Passi Perduti
17:00 – 19:00	E	P361: Styx: A Multi-Language API Generator for Command-Line Tools <i>Speakers: Steven Giavasis, Tristan Glatard, Jason Kai, Gregory Kiar, Michael P. Milham, Florian Rupprecht, Biraj Shrestha</i>	Passi Perduti
17:00 – 19:00	E	P362: Extending the NEURON Simulator with MATLAB: A New Interface for Integrated Neural Simulation and Analysis <i>Speakers: Robert McDougal, Noah Safar</i>	Passi Perduti

1/18/26, 4:23 PM		CNS*2025 Florence: Print Schedule	
17:00 – 19:00	E	P363: Adult Neurogenesis Reconciles Flexibility and Stability of Olfactory Perceptual Memory <i>Speakers: Hermann Riecke, Bennet Sakelaris</i>	Passi Perduti
17:00 – 19:00	E	P364: Comparative evaluation of O2PLS and optimization-based methods for identifying shared and exclusive neural subspaces <i>Speakers: Stefano Diomedi, Patrizia Fattori, Matteo Filippini, Francesco Vaccari, Marina De Vitis</i>	Passi Perduti
17:00 – 19:00	E	P365: Multilevel Modeling of mouse CA1 pyramidal neurons under Alzheimer's condition, using NEURON- based and Adaptive GLIF Frameworks <i>Speakers: Michele Migliore, Addolorata Marasco, Caterina Tribuzi, Paola Vitale</i>	Passi Perduti
17:00 – 19:00	E	P366: Neural Signatures of Positive and Negative Emotional Facial Expressions in Mice <i>Speakers: Xiao Xiao</i>	Passi Perduti
PINNED 21:30 – 00:00	R	Party	Villa Gardens, Villa Vittoria

B Break **G** Registration/organization **W** Workshop **H** Workshops

JULY 9 • WEDNESDAY

PINNED 08:30 – 19:00	G Registration
PINNED 09:00 – 10:30	H Workshops Rooms 4, 5, 6, 9, 101, 103, 202, 203, Hall 1A, Hall 2B, Hall 3B, Belvedere, Onice, Auditorium, or TBA by workshop organizers
09:00 – 12:30	W Linking structure, dynamics, and function in neuronal networks: old challenges and new directions Room 101 <i>Speakers: Wilhelm Braun, Kayson Fakhar, Claus C Hilgetag</i>
09:00 – 17:30	W Brain Digital Twins: from Multiscale Modeling to Precision Medicine Belvedere room <i>Speakers: Lorenzo Gaetano Amato, Alberto Mazzoni</i>
09:00 – 17:30	W Brains and AI Room 4 <i>Speakers: Thomas Nowotny, Maksim Bazhenov, Vassilis Cutsuridis</i>
09:00 – 17:30	W Computational strategies in epilepsy modelling and seizure control Room 202 <i>Speakers: Helmut Schmidt, Jaroslav Hlinka, Guillaume Girier, Isa Dallmer-Zerbe</i>
09:00 – 17:30	W Emerging Research Topics in NeuroAI Onice Room <i>Speakers: Zhe Sage Chen, Michael Halassa</i>
09:00 – 17:30	W Modeling extracellular potentials: principles, methods, and applications Room 5 <i>Speakers: Nicolo Meneghetti, Eleonora Russo</i>
09:00 – 17:30	W NEW VISTAS IN MULTISCALE BRAIN MODELLING AND APPLICATIONS Hall 3B <i>Speakers: Sergio Mauro Solinas, Egidio D'Angelo, Rosanna Migliore, Paolo Massobrio, Alessia Bonafede</i>
09:00 – 17:30	W Population activity: the influence of cell-class identity, synaptic dynamics, plasticity and adaptation Hall 1A <i>Speakers: Michele GIUGLIANO, Simona OLMi, Alessandro TORCINI</i>
09:00 – 17:30	W Theoretical and experimental approaches towards understanding brain state transitions Room 6 <i>Speakers: Andre Peterson, Nima Dehghani</i>
09:00 – 17:30	W Understanding the Computational Logic of Predictive Processing: A 25-year Perspective Room 9 <i>Speakers: Aurelio Cortese, Abhishek Banerjee, Erin Rich, Silvia Maggi</i>
09:00 – 17:30	W Workshop on Methods of Information Theory in Computational Neuroscience Room 203 <i>Speakers: Joseph T. Lizier, Abdullah Makkeh, Pedro A.M. Mediano, Marilyn Gatica, Michael Wibral</i>
PINNED 10:30 – 11:00	B Coffee break
PINNED 11:00 – 12:30	H Workshops Rooms 4, 5, 6, 9, 101, 103, 202, 203, Hall 1A, Hall 2B, Hall 3B, Belvedere, Onice, Auditorium, or TBA by workshop organizers
PINNED 12:30 – 14:00	B Lunch break
PINNED 14:00 – 15:30	H Workshops Rooms 4, 5, 6, 9, 101, 103, 202, 203, Hall 1A, Hall 2B, Hall 3B, Belvedere, Onice, Auditorium, or TBA by workshop organizers

PINNED
14:00 – 17:30

W Bridging Complexity and Abstraction: Large-Scale Mechanistic Models of Brain Circuits from Biophysically Detailed to Simplified Representations Room 101
Speakers: Athanasia Papoutsis, Beatriz Herrera, William W Lytton, Michele Migliore, Erik De Schutter, Srikanth Ramaswamy, Michael Reimann

PINNED
15:30 – 16:00

B Coffee break

PINNED
16:00 – 17:30

H Workshops
Rooms 4, 5, 6, 9, 101, 103, 202, 203, Hall 1A, Hall 2B, Hall 3B, Belvedere, Onice, Auditorium, or TBA by workshop organizers