CNS*2024 Natal

B Break   **K** Keynote   **R** reception/party   **G** Registration   **T** Tutorial

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JULY 20 · SATURDAY

Time		Session	Room
8:00am – 8:00am	G	**Registration**	
9:00am – 10:15am	T	**T01: Building mechanistic multiscale models using NEURON and NetPyNE to study brain function and disease** *Speakers: Valery Bragin, Salvador Dura Bernal, William W Lytton, Robert McDougal, Adam J.H. Newton*	Cedro I
9:00am – 10:15am	T	**T02: From single-cell modeling to large-scale network dynamics with NEST Simulator** *Speakers: Iiro Ahokainen, Jasper Albers, Joshua Böttcher*	Cedro II
9:00am – 10:15am	T	**T03: Modeling cortical networks dynamics** *Speakers: Maurizio De Pitta, Pamela Illescas-Maldonaldo, Scott Rich, Alessandro Sanzeni*	Cedro III
9:00am – 10:15am	T	**T04: Standardised, data-driven computational modelling with NeuroML using the Open Source Brian** *Speakers: Padraig Gleeson, Boris Marin, Ankur Sinha, Angus Silver*	Cedro IV
9:00am – 10:15am	T	**T05: Understanding motor control through multiscale modeling of spinal cord neuronal circuits** *Speakers: Ricardo Gonçalves Molinari, Leonardo Abdala Elias, Renato Naville Watanabe, André Fabio Kohn*	Cedro V
9:00am – 10:15am	T	**T06: Implementing the Gaussian-Linear Hidden Markov model (GLHMM), with a package in Python for brain data analysis** *Speakers: Cecilia Jarne, Diego Vidaurre*	Cedro VI
9:00am – 10:15am	T	**T08: Single cell signal processing and data analysis in Matlab** *Speakers: Cengiz Gunay*	Cedro VI
10:15am – 10:45am	B	**Coffee break**	
10:45am – 12:15pm	T	**T01: Building mechanistic multiscale models using NEURON and NetPyNE to study brain function and disease** *Speakers: Valery Bragin, Salvador Dura Bernal, William W Lytton, Adam J.H. Newton, Robert McDougal*	Cedro I
10:45am – 12:15pm	T	**T02: From single-cell modeling to large-scale network dynamics with NEST Simulator** *Speakers: Iiro Ahokainen, Jasper Albers, Joshua Böttcher*	Cedro II
10:45am – 12:15pm	T	**T03: Modeling cortical networks dynamics** *Speakers: Pamela Illescas-Maldonaldo, Maurizio De Pitta, Scott Rich, Alessandro Sanzeni*	Cedro III
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10:45am – 12:15pm	T	**T06: Implementing the Gaussian-Linear Hidden Markov model (GLHMM), with a package in Python for brain data analysis** *Speakers: Cecilia Jarne, Diego Vidaurre*	Cedro VI
10:45am – 12:15pm	T	**T08: Single cell signal processing and data analysis in Matlab** *Speakers: Cengiz Gunay*	Jacarandá
12:15pm – 2:00pm	B	**Lunch**	
2:00pm – 3:40pm	T	**T01: Building mechanistic multiscale models using NEURON and NetPyNE to study brain function and disease** *Speakers: Valery Bragin, Salvador Dura Bernal, William W Lytton, Robert McDougal, Adam J.H. Newton*	Cedro I
2:00pm – 3:40pm	T	**T02: From single-cell modeling to large-scale network dynamics with NEST Simulator** *Speakers: Iiro Ahokainen, Jasper Albers, Joshua Böttcher*	Cedro II
2:00pm – 3:40pm	T	**T03: Modeling cortical networks dynamics** *Speakers: Pamela Illescas-Maldonaldo, Maurizio De Pitta, Scott Rich, Alessandro Sanzeni*	Cedro III
2:00pm – 3:40pm	T	**T04: Standardised, data-driven computational modelling with NeuroML using the Open Source Brian** *Speakers: Boris Marin, Padraig Gleeson, Angus Silver, Ankur Sinha*	Cedro IV
2:00pm – 3:40pm	T	**T07: Unraveling Dynamics and Connectivity from Spiking Time Series of In-Vitro Neuronal Cultures** *Speakers: Leonardo Novelli, Moein Khajehnejad, Forough Habibollahi*	Cedro V
2:00pm – 3:40pm	T	**T09: Interactive Data Visualization Techniques** *Speakers: Anca Doloc-Mihu, Cengiz Gunay*	Cedro VI
2:00pm – 3:40pm	T	**T10: Training recurrent spiking neural networks to generate experimentally recorded neural activities** *Speakers: Christopher Kim*	Jacarandá
3:40pm – 4:00pm	B	**Break**	
4:00pm – 5:15pm	T	**T01: Building mechanistic multiscale models using NEURON and NetPyNE to study brain function and disease** *Speakers: Valery Bragin, Salvador Dura Bernal, William W Lytton, Robert McDougal, Adam J.H. Newton*	Cedro I
4:00pm – 5:15pm	T	**T02: From single-cell modeling to large-scale network dynamics with NEST Simulator** *Speakers: Iiro Ahokainen, Jasper Albers, Joshua Böttcher*	Cedro II
4:00pm – 5:15pm	T	**T03: Modeling cortical networks dynamics** *Speakers: Pamela Illescas-Maldonaldo, Maurizio De Pitta, Scott Rich, Alessandro Sanzeni*	Cedro III
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4:00pm – 5:15pm	T	**T10: Training recurrent spiking neural networks to generate experimentally recorded neural activities** *Speakers: Christopher Kim*	Jacarandá
5:30pm – 6:30pm	K	**Welcome and Keynote #1: Suzana Herculano-Houzel, "Intelligence as flexibility: What life gains with a pallium"** *Speakers: Leonid Rubchinsky*	Jacarandá
6:30pm – 6:30pm	R	**Welcome reception**	

JULY 21 • SUNDAY

Time			Location
8:30am – 8:30am	G	**Registration**	
9:10am – 10:10am	K	**Announcements and Keynote #2: Claudia Clopath, "A Memory's Journey"** *Speakers: Thomas R. Knösche*	Jacarandá
10:10am – 10:40am	B	**Coffee Break**	
10:40am – 12:30pm	O	**Oral Session 1: Sensory processing** *Speakers: Cengiz Gunay*	Jacarandá
10:41am – 11:10am	O	**FO1: From Population to Place Coding: Mechanistic Insights into the transformation of ITD representation along the auditory pathway** *Speakers: Lavínia Mitiko Takarabe, Bóris Marin, Rodrigo Pavao*	Jacarandá
11:10am – 11:30am	O	**O1: Touch stimulation to enhance separation of sound sources**	Jacarandá
11:30am – 11:50am	O	**O2: Coherent Motion Detection Facilitated by Surround Suppression**	Jacarandá
11:50am – 12:10pm	O	**O3: Extracting regularities embedded within stochastic sequences of sensorimotor events.**	Jacarandá
12:10pm – 12:30pm	O	**O4: Recurrent neural networks outperform canonical computational models at fitting auditory brain responses**	Jacarandá
12:30pm – 2:00pm	B	**Lunch**	
12:30pm – 2:00pm	G	**Program Committee Meeting**	
2:00pm – 3:30pm	O	**Oral Session 2: Navigation** *Speakers: Mauricio Girardi-Schappo*	Jacarandá
2:01pm – 2:30pm	O	**FO2: Learning egocentric spatial cells in the postrhinal cortex** *Speakers: Yanbo Lian, Anthony Burkitt*	Jacarandá
2:30pm – 2:50pm	O	**O5: Interaction of segregated resonant mechanisms along the dendritic axis in CA1 pyramidal cells: Interplay of cellular biophysics and spatial structure**	Jacarandá
2:50pm – 3:10pm	O	**O6: Distributed engrams constitute flexible and versatile neural representations**	Jacarandá
3:10pm – 3:30pm	O	**O7: Unraveling the brain circuits underlying target pursuit in the hoverfly**	Jacarandá
3:50pm – 4:20pm	B	**Coffee Break**	
4:20pm – 6:20pm	P	**P001 Recurrent models optimized for face recognition exhibit representational dynamics resembling the primate brain** *Speakers: Hossein Adeli, Nikolaus Kriegeskorte*	Jacarandá
4:20pm – 6:20pm	P	**P002 Theoretical considerations of spiking neural networks with STDP and homeostatic balancing** *Speakers: Iiro Ahokainen, Marja-Leena Linne, Hirotsugu Okuno*	Jacarandá
4:20pm – 6:20pm	P	**P003 Quantifying structural similarity between real matrices with arbitrary shape** *Speakers: Jasper Albers, Anno C. Kurth, Robin Gutzen, Aitor Morales-Gregorio, Michael Denker, Sonja Gruen, Sacha van Albada, Markus Diesmann*	Jacarandá
4:20pm – 6:20pm	P	**P004 An Adaptive Robot Controller Based on Distributed Synaptic Plasticity in a Cerebellar Network Model** *Speakers: Mahsa Ali Akbarzadeh, Frank Foerster, Volker Steuber, Nada Yousif*	Jacarandá
4:20pm – 6:20pm	P	**P005 Ratio of excitatory to inhibitory neurons shapes computational properties in cortex** *Speakers: Arezoo Alizadeh, Bernhard Englitz, Fleur Zeldenrust*	Jacarandá
4:20pm – 6:20pm	P	**P006 From ion channel dynamics to chaotic neuronal population effects: Analysis of chaotic oscillator model with applications to mouse data** *Speakers: Jeehye An, Simon Adriano Munoz Lagunas, Leon Stefanovski, Petra Ritter*	Jacarandá
4:20pm – 6:20pm	P	**P007 Whole-brain connectome-based simulation in Parkinson's disease** *Speakers: Marianna Angiolelli, Hasnae Agouram, Damien Depannemaecker, Pierpaolo Sorrentino*	Jacarandá
4:20pm – 6:20pm	P	**P008 Attractor-based neuromimetic models of mammalian spatial navigation circuits learn to navigate agents in simulated environments** *Speakers: Haroon Anwar, Christopher Earl, Hananel Hazan, Piotr Franaszczuk, David Boothe, Samuel A. Neymotin*	Jacarandá
4:20pm – 6:20pm	P	**P009 Diagnosis of Amyotrophic Lateral Sclerosis Using Multimodal Neuroimaging Data** *Speakers: Shailesh Appukuttan, Aude-Marie Grapperon, Mounir Mohamed El Mendili, Salma Aljane-Hedia, Hugo Dary, Maxime Guye, Annie Verschueren, Shahram Attarian, Wafaa Zaaraoui, Matthieu Gilson*	Jacarandá
4:20pm – 6:20pm	P	**P011 Modeling the connectivity of excitatory neuronal networks derived from human iPSCs** *Speakers: Valerio Barabino, Francesca Callegari, Giulia Parodi, Sergio Martinoia, Paolo Massobrio*	Jacarandá
4:20pm – 6:20pm	P	**P012 Exploring the Role of Plasticity in Modulating Hippocampal Replays** *Speakers: LIOR BARON, Asohan Amarasingham, Kamran Diba*	Jacarandá
4:20pm – 6:20pm	P	**P014 Information integration (φID) and high order interactions in Caenorhabditis elegans sleep-wakefulness neural dynamics** *Speakers: Diego Becerra, Ignacio Ampuero, Pedro Mediano, Andrea Calixto, Manuel Zimmer, Patricio Orio*	Jacarandá
4:20pm – 6:20pm	P	**P015 Predicting eye movements with a detailed network model of the cerebellar cortex** *Speakers: Eleonora Bernasconi, Stefan Glasauer, Nada Yousif, Volker Steuber*	Jacarandá
4:20pm – 6:20pm	P	**P016 Self-sustained activity and intermittent synchronization in balanced networks** *Speakers: Fernando Borges, Paulo Protachevicz, Rodrigo de Oliveira Pena, Guilherme Higa, Enrique C. Gabrick, José D. Szezech Jr., Alexandre Kihara, Roberto de Pasquale, Antonio Batista, Iberê Caldas*	Jacarandá
4:20pm – 6:20pm	P	**P017 Reproducing behavior-related neural manifolds in a detailed model of motor cortex circuits** *Speakers: Valery Bragin, Eugenio Urdapilleta, Roman Baravalle, Nikita Novikov, Wei Xu, Ian Duguid, Salvador Dura Bernal*	Jacarandá

4:20pm – 6:20pm	P	**P018 The NetPyNE multiscale modeling tool: latest features and models** *Speakers: Samuel Neymotin, Ankur Sinha, Michael Hines, Valery Bragin, Eugenio Urdapilleta, James Chen, Roman Baravalle, Dario Del Piano, Nicolás Gomez, Vincent Aranega, Vidhya Longani, Filippo Ledda, William W Lytton, Padraig Gleeson, Matteo Cantarelli, Salvador Dura Bernal*	Jacarandá
4:20pm – 6:20pm	P	**P019 Reorganisation of modular activity in cortical circuits** *Speakers: Lorenzo Butti, Deyue Kong, Jonas Elpelt, Haleigh Mulholland, Matthias Kaschube, Gordon Smith, Nathaniel Powell, Bettina Hein*	Jacarandá
4:20pm – 6:20pm	P	**P020 Preserving network responses under dendritic simplification with the NEST::multiscale toolchain** *Speakers: Joshua Böttcher, Charl Linssen, Leander Ewert, Christophe Blaszyc, Abigail Morrison, Willem Wybo*	Jacarandá
4:20pm – 6:20pm	P	**P021 Extracellular ionic modulation: computational investigation of a new neuromodulatory tool** *Speakers: Niccolo' Calcini, Vitalii Kyzym, Renaud Jolivet*	Jacarandá
4:20pm – 6:20pm	P	**P022 Building in 3D: how different scaffold approaches influence neuronal activity in in vitro modelling** *Speakers: Francesca Callegari, Martina Brofiga, Mariateresa Tedesco, Paolo Massobrio*	Jacarandá
4:20pm – 6:20pm	P	**P023 Accessing signatures of criticality in neuronal data using maximum entropy models** *Speakers: Pedro Carelli*	Jacarandá
4:20pm – 6:20pm	P	**P024 Benchmarking Deep Learning Architectures for Predicting Visual Stimuli Given Single Neuron Spike Patterns** *Speakers: Ray Carpenter, Cole Vita, Vladas Pipiras*	Jacarandá
4:20pm – 6:20pm	P	**P025 Harmonic oscillator RNNs: single node dynamics, resonance and the role of feedback connections.** *Speakers: Pedro Romero Carvalho, Wolf Singer, Felix Effenberger*	Jacarandá
4:20pm – 6:20pm	P	**P026 Role of information flow dynamics (top-down or bottom-up) in the gamma frequency band (≈40 Hz) of the EEG in cognitive functions and consciousness** *Speakers: Santiago Castro, Joaquin Gonzalez, Pablo Torterolo*	Jacarandá
4:20pm – 6:20pm	P	**P027 A biologically constrained model displaying gamma-to-theta cross-frequency directionality in the CA3 hippocampal circuit** *Speakers: Dimitrios Chalkiadakis, Jaime Sánchez-Claros, Santiago Canals, Claudio Mirasso*	Jacarandá
4:20pm – 6:20pm	P	**P028 State Transitions of Neural Populations Underlying the Alpha and Gamma Rhythms in EEG/LFP** *Speakers: Shih-Cheng Chien, Stanislav Jiricek, Thomas R. Knösche, Jaroslav Hlinka, Helmut Schmidt*	Jacarandá
4:20pm – 6:20pm	P	**P029 A metric to evaluate the spatial tuning of hippocampal place fields that is reliable at low firing rates and short observation times** *Speakers: Kathrine Clarke, Anthony Burkitt, Yanbo Lian, Mary Ann Go, Simon R Schultz, Catherine Davey*	Jacarandá
4:20pm – 6:20pm	P	**P030 Biophysical modeling to inform performance in motor imagery-based Brain-Computer Interfaces** *Speakers: Marie-Constance Corsi, Parul Verma*	Jacarandá
4:20pm – 6:20pm	P	**P031 Investigating the Role of Astrocytes in Neural Networks Activity** *Speakers: Paige DeForest, Paulo Protachevicz, Rodrigo de Oliveira Pena*	Jacarandá
4:20pm – 6:20pm	P	**P032 Robust bistability in spinal pain processing neurons** *Speakers: Anaëlle De Worm, Guillaume Drion, Pierre Sacré*	Jacarandá
4:20pm – 6:20pm	P	**P033 Implementation and Validation of a Balanced Excitatory-Inhibitory Network in Loihi** *Speakers: Alexander Dimitrov, Tom Tetzlaff, Abigail Morrison, Markus Diesmann*	Jacarandá
4:20pm – 6:20pm	P	**P034 Alpha oscillations as the basis for erasing in a mechanistic model of working memory** *Speakers: Gustavo Duarte Soroka, Marco Idiart, Aline Villavicencio*	Jacarandá
4:20pm – 6:20pm	P	**P035 Using linear-look ahead modules of grid cells to navigate agents through reinforcement learning** *Speakers: Christopher Earl, Haroon Anwar, Hananel Hazan, John Kubie, Piotr Franaszczuk, David Boothe, Samuel A. Neymotin*	Jacarandá
4:20pm – 6:20pm	P	**P036 Biology-Inspired Oscillator Networks and the Functional Role of Oscillatory Dynamics in Neocortical Circuits** *Speakers: Felix Effenberger, Pedro Romero Carvalho, Igor Dubinin, Wolf Singer*	Jacarandá
4:20pm – 6:20pm	P	**P037 Forgetting impairs reversal learning in mice and artificial neuronal networks** *Speakers: Jonas Elpelt, Jens-Bastian Eppler, Simon Rumpel, Matthias Kaschube, Johannes P.-H. Seiler*	Jacarandá
4:20pm – 6:20pm	P	**P038 Metabolism and Electrophysiology: Investigating the Crosstalk in a Reconstructed Rat Neocortical Circuit** *Speakers: Sofia Farina, Alessandro Cattabiani, Polina Shichkova, Darshan Mandge, James Isbister, Jean Jacquemier, Daniel Keller*	Jacarandá
4:20pm – 6:20pm	P	**P039 Implications of the Volume Transmission of Information on Learning and Prediction: An Analysis from Grossberg's Learning Theory** *Speakers: Pablo Fer, Ylermi Cabrera-León, Patricio García Báez, Salvador Dura Bernal, Carmen Paz Suárez-Araujo*	Jacarandá
4:20pm – 6:20pm	P	**P040 Study of Dynamic Behavior in Neuron-Astrocyte Networks** *Speakers: Fernando Ferreira*	Jacarandá
4:20pm – 6:20pm	P	**P041 Dynamic Effects of Electric Fields on Thermosensitive Neuronal Networks** *Speakers: Ediline Laurence Fouelifack Nguessap*	Jacarandá
4:20pm – 6:20pm	P	**P126: Recurrent neural networks outperform canonical computational models at fitting auditory brain responses** *Speakers: Ulysse Rancon, Timothee Masquelier, Benoit Cottereau*	Jacarandá
4:20pm – 6:20pm	P	**P127: Structural plasticity and homeostatic memory formation** *Speakers: Marvin Kaster, Markus Butz-Ostendorf, Fabian Czappa, Felix Wolf*	Jacarandá
4:20pm – 6:20pm	P	**P128: Computational phenotyping of Treatment Resistant Depression using Valence-Partitioned Reinforcement Learning and Subjective Experience** *Speakers: Kenneth Kishida, Heather Douglas, Predrag Gligorovic, Angela Jiang, Rachel Jones, Rommel Ramos, L. Paul Sands, Johnathan Trattner*	Jacarandá
4:20pm – 6:20pm	P	**P129: Oscillations induced by reward-based training of recurrent neural networks to perform context-dependent decision-making** *Speakers: Oleg Maslennikov, Roman Kononov, Vladimir Nekorkin*	Jacarandá
4:20pm – 6:20pm	P	**P130: STDP variants and their effect on learning receptive fields of visual cells with video or image stimuli** *Speakers: Marko Ruslim, Hamish Meffin, Yanbo Lian, Anthony Burkitt, Martin Spencer*	Jacarandá
4:20pm – 6:20pm	P	**P131: Ripples and fast ripples in epileptogenesis: characterization of high-frequency oscillations after status epilepticus** *Speakers: Claudio Queiroz, Antonio Jhones Rocha*	Jacarandá

4:20pm – 6:20pm   P   **P132: From Population to Place Coding: Mechanistic Insights into the transformation of ITD representation along the auditory pathway**   Jacarandá
Speakers: Bóris Marin, Rodrigo Pavão, Lavínia Mitiko Takarabe

| B | Break | K | Keynote | O | Oral Session | P | Poster Session | R | reception/party | G | Registration |

JULY 22 · MONDAY

8:30am – 8:30am	G	**Registration**	
9:10am – 10:10am	K	**Announcements and Keynote #3: Andre Longtin, "Adaptive design in sensory and memory systems"** *Speakers: André Longtin, Gennady Cymbalyuk*	Jacarandá
10:10am – 10:40am	B	**Coffee Break**	
10:40am – 12:30pm	O	**Oral Session 3: From cells to circuits** *Speakers: Robert McDougal*	Jacarandá
10:41am – 11:10am	O	**FO3: Neural Heterogeneity Controls the Computational Properties of Spiking Neural Networks**	Jacarandá
11:10am – 11:30am	O	**O9: Modeling alterations in synaptic connectivity due to Rheb-mTOR hyperactivity during postnatal development**	Jacarandá
11:30am – 11:50am	O	**O10: Functional Connectivity and Complex Network Dynamics of In-Vitro Neuronal Spiking Activity During Rest and Gameplay**	Jacarandá
11:50am – 12:10pm	O	**O11: Structural plasticity and homeostatic memory formation**	Jacarandá
12:10pm – 12:30pm	O	**O12: Data-Driven Reconstruction of Subthalamic Nucleus: Understanding the Microcircuitry Underlying the "Sweet-spot" of DBS for Parkinson's Disease**	Jacarandá
12:30pm – 2:00pm	B	**Lunch**	
12:30pm – 2:00pm	G	**OCNS Board Meeting**	
2:00pm – 4:10pm	O	**Oral Session 4: Dynamics of neural processes** *Speakers: Maurizio De Pitta*	Jacarandá
2:01pm – 2:30pm	O	**FO4: Backwards and forwards, hot or cold: robust and flexible rhythms in a neural network model**	Jacarandá
2:30pm – 2:50pm	O	**O13: Physiological mechanisms responsible for the generation of cortical high frequency oscillations, a biomarker of epileptogenesis**	Jacarandá
2:50pm – 3:10pm	O	**O14: Forecasting Seizure Duration from Neural Connectivity Patterns**	Jacarandá
3:10pm – 3:30pm	O	**O15: A computational model to help in understanding the impact of a 3D organization on cortical dynamics**	Jacarandá
3:30pm – 3:50pm	O	**O16: Self-organized emergence of multi-areal information processing in a non human primate connectome-based model**	Jacarandá
3:50pm – 4:20pm	B	**Coffee Break**	
4:20pm – 6:20pm	P	**P042 Optimal coding and information processing due to firing threshold adaptation near criticality** *Speakers: Mauricio Girardi-Schappo, Leonard Maler, André Longtin*	Jacarandá
4:20pm – 6:20pm	P	**P043 Diving into space: emerging and disappearing shared dimensions in neuronal activity under the influence of psychedelics** *Speakers: Dirk Goldschmitt, Bradley Dearnley, Michael Okun*	Jacarandá
4:20pm – 6:20pm	P	**P044 How to measure the dynamic range of complex response functions?** *Speakers: Leonardo Gollo, Jenna Richardson*	Jacarandá
4:20pm – 6:20pm	P	**P045 Hierarchical Brain Dynamics: Insights from Multicompartmental Neuronal Modeling** *Speakers: Leonardo Gollo, Kaichao Wu*	Jacarandá
4:20pm – 6:20pm	P	**P046 Basic biophysical models of short-term presynaptic plasticity** *Speakers: Marco Arieli Herrera Valdez, Guillermo Olicón-Méndez*	Jacarandá
4:20pm – 6:20pm	P	**P047 On EEG microstates and linear dynamics** *Speakers: Jaroslav Hlinka, Nikola Jajcay*	Jacarandá
4:20pm – 6:20pm	P	**P048 Formation of artificial neural assemblies by the E%Max-winners-take-all process** *Speakers: Lucas Hoff, Marco Idiart*	Jacarandá
4:20pm – 6:20pm	P	**P049 The Virtual Brain links neurotransmitter changes and TMS-evoked potential alterations in major depressive disorder** *Speakers: Timo Hofsähs, Jil Mona Meier, Petra Ritter, Marius Pille*	Jacarandá
4:20pm – 6:20pm	P	**P050 Visualizing information in Deep Neural Networks receiving competitive stimuli** *Speakers: Marco Idiart, Henrique Uhlmann Gobbi*	Jacarandá
4:20pm – 6:20pm	P	**P051 Astrocytic modulation of brain oscillations in a network model with neurons-astrocytes interactions in epilepsy** *Speakers: Pamela Alejandra Illescas Maldonado, Patricio Orio, Maurizio De Pitta*	Jacarandá
4:20pm – 6:20pm	P	**P052 piNET: A Neural Network Architecture Design to Maximize Decoding Accuracy Using Minimal Training Data** *Speakers: Tousif Jamal, Tansu Celikel*	Jacarandá
4:20pm – 6:20pm	P	**P053 A Supercomputing Simulation of Serotonergic Densities in a Shark Brain: Reflected Fractional Brownian Motion in Expanding Shapes** *Speakers: Skirmantas Janusonis, Justin Haiman, Angela Rayle, Wei Wang, Ralf Metzler, Thomas Vojta*	Jacarandá
4:20pm – 6:20pm	P	**P054 A novel method to predict subject phenotypes from EEG Spectral Signatures** *Speakers: Cecilia Jarne, Diego Vidaurre, Ben Griffin*	Jacarandá
4:20pm – 6:20pm	P	**P055 Mesoscopic and microscopic information and its energy cost during synaptic plasticity** *Speakers: Jan Karbowski*	Jacarandá
4:20pm – 6:20pm	P	**P056 Homeostatic self-organization towards the edge of neuronal synchronization** *Speakers: Osame Kinouchi, Mauricio Girardi-Schappo, Sue Lan Rhâmidda*	Jacarandá
4:20pm – 6:20pm	P	**P057 Delineating roles of TRP channels in Drosophila larva cold nociception** *Speakers: Sergiy M. Korogod, Akira Sakurai, Natalia V. Maksymchuk, Jamin M. Letcher, Daniel N. Cox, Gennady Cymbalyuk*	Jacarandá

4:20pm – 6:20pm	P	**P058 Beyond the Connectome: Divisive Normalization Processors in the Drosophila Early Olfactory and Vision Systems** *Speakers: Aurel Lazar*	Jacarandá
4:20pm – 6:20pm	P	**P059 Unveiling the Impact of Brain's Scale-Free Topology on Information Processing** *Speakers: DongMyeong Lee, Yelim Lee, Hae-Jeong Park*	Jacarandá
4:20pm – 6:20pm	P	**P060 Neural Modeling of Channelopathies to Elucidate Neural Mechanism of Neurodevelopmental Disorders** *Speakers: Molly Leitner, James Chen, Salvador Dura Bernal, Roman Baravalle, Timothy Fenton, Roy Ben-Shalom*	Jacarandá
4:20pm – 6:20pm	P	**P061 Brain network flexibility as a marker of early adaptation between humans and intelligent wearable machines** *Speakers: Italo Ivo Lima Dias Pinto, Kanika Bansal, Javier Omar Garcia, Seongmi Song, Jessica Cortney Bradford*	Jacarandá
4:20pm – 6:20pm	P	**P063 Disentangling circuit mechanisms of how prior expectations affect decision making across the mouse brain** *Speakers: Ari Liu, Michael Schartner, Ila Fiete*	Jacarandá
4:20pm – 6:20pm	P	**P064 Comparison of methods of functional connectivity estimation in investigation of diurnal changes in working memory performance** *Speakers: Marta Lotka, Jeremi Ochab*	Jacarandá
4:20pm – 6:20pm	P	**P065 Idiom-independent reduced social references in Alzheimer's disease evoked speech** *Speakers: Bárbara Malcorra, Marina Ribeiro, Cesar Renno-Costa, Lilian Hubner*	Jacarandá
4:20pm – 6:20pm	P	**P066 Complexity is maximized close to the criticality between ordered and disordered cortical states** *Speakers: Fernanda Matias, Nastaran Lotfi, Thaís Feliciano, Leandro Aguiar, Thaís Silva, Tawan Carvalho, Osvaldo Rosso, Mauro Copelli, Pedro Carelli*	Jacarandá
4:20pm – 6:20pm	P	**P067 Phase relations diversity between cortical populations: anticipated synchronization and phase bistability** *Speakers: Fernanda Matias, Julio Machado, Katiele Brito*	Jacarandá
4:20pm – 6:20pm	P	**P068 Mapping brain lesions to conduction delays: the next step for personalized brain models in Multiple Sclerosis** *Speakers: camille mazzara, Marianna Angiolelli, Viktor Jirsa, Pierpaolo Sorrentino, Abofazl Ziaeemehr, Meysam Hashemi*	Jacarandá
4:20pm – 6:20pm	P	**P069 Investigating the cellular and circuit mechanisms underlying schizophrenia-related EEG biomarkers using a multiscale model of auditory thalamocortical** *Speakers: Scott McElroy, James Chen, Erica Y Griffith, Samuel Neymotin, Christoph Metzner, Salvador Dura Bernal, Andrej Thieme, Poulami Ghosh, Irene Bernardi, Daniel Javitt, Cyril D'Souza, Rajiv Radhakrishnan*	Jacarandá
4:20pm – 6:20pm	P	**P070 Neuron participation in temporal patterns forms cross-layer, non-random networks in rat motor cortex** *Speakers: Milena Menezes Carvalho, Ruxandra Cojocaru, Tomoki Fukai*	Jacarandá
4:20pm – 6:20pm	P	**P071 A Model of Activation of Cortical Cell Populations through TMS** *Speakers: Aaron Miller, Thomas R. Knösche, Konstantin Weise*	Jacarandá
4:20pm – 6:20pm	P	**P072 Dendritic persistent calcium current amplifies low-frequency fluctuations in alpha motor neurons** *Speakers: André Fabio Kohn, Francesco Negro, Leonardo Abdala Elias*	Jacarandá
4:20pm – 6:20pm	P	**P073 Exploring Seizure Dynamics: A Computational Model of Epilepsy** *Speakers: Richard Montgomery*	Jacarandá
4:20pm – 6:20pm	P	**P074 Computational Model of the Mouse Whisker Thalamocortical Pathway** *Speakers: Joao Moreira, Fernando Borges, Shane Crandall, Salvador Dura Bernal*	Jacarandá
4:20pm – 6:20pm	P	**P075 Biologically Inspired Constraints are Compatible with Gradient-Descent-based Learning in Spiking Neural Networks** *Speakers: Balázs Mészáros, Thomas Nowotny, James Knight*	Jacarandá
4:20pm – 6:20pm	P	**P076 Decomposition of brain calcium signals in a Pavlovian learning task** *Speakers: Farzan Nadim, Junichi Yoshida, Kamran Khodakhah, Germán Heim, Mina Eskandar, Horacio Rotstein*	Jacarandá
4:20pm – 6:20pm	P	**P077 Quantifying the contribution of underlying physiological networks in functional brain connectivity through remnant functional maps** *Speakers: Johan Nakuci, Javier Omar Garcia, Kanika Bansal*	Jacarandá
4:20pm – 6:20pm	P	**P078 Spreading depolarization in neocortical microcircuits** *Speakers: Adam J.H. Newton, Craig Kelley, Amy Guo, Joy Wang, Sydney Zink, Marcello DiStasio, Robert McDougal, William W Lytton*	Jacarandá
4:20pm – 6:20pm	P	**P079 Reinforcement and evolutionary learning of spatial navigation using models of hippocampal and entorhinal circuits** *Speakers: Samuel A. Neymotin, Haroon Anwar, Christopher Earl, Hananel Hazan, Piotr Franaszczuk, David Boothe*	Jacarandá
4:20pm – 6:20pm	P	**P080 Neuronal Transfer Entropy: a Biophysically Inspired Model of Information Flow Based on Dynamic Causal Modelling** *Speakers: Leonardo Novelli, Adeel Razi*	Jacarandá
4:20pm – 6:20pm	P	**P081 Behavior-dependent layer-specific oscillations, phase-amplitude coupling and spike-to-LFP coupling in a data-driven model of motor cortex circuits** *Speakers: Nikita Novikov, Valery Bragin, Eugenio Urdapilleta, Roman Baravalle, Wei Xu, Ian Duguid, Salvador Dura Bernal*	Jacarandá
4:20pm – 6:20pm	P	**P082 Oscillation-Induced Firing Rate Shift in a Working Memory Model** *Speakers: Nikita Novikov, Boris Gutkin*	Jacarandá
4:20pm – 6:20pm	P	**P100 Waveform-based classification of dentate spikes** *Speakers: Rodrigo Santiago, David Dupret, Vitor Lopes-dos-Santos, Emily Aery Jones, Yadong Huang, Adriano Tort*	Jacarandá
4:20pm – 6:20pm	P	**P133: Optimal Coding in Auditory Perception** *Speakers: Rodrigo Pavao, Bóris Marin, Bruno Mamédio Rodrigues*	Jacarandá
4:20pm – 6:20pm	P	**P134: Loud noise exposure alters calcium dynamics of layer 5 pyramidals cells of the auditory cortex of mice** *Speakers: Gabriel Mendonça de Queiroz, Jéssica Winne*	Jacarandá
4:20pm – 6:20pm	P	**P135: Formation of spiral patterns in the CA1** *Speakers: Diogo L. M. Souza, Lucas E. Bentivoglio, Fernando Borges, Enrique C. Gabrick, Paulo Protachevicz, Iberê Caldas, Kelly Iarosz, Antonio Batista, Jürgen Kurths, Vagner Santos, Ricardo Viana*	Jacarandá
4:20pm – 6:20pm	P	**P136: Spatial waves in experimental and theoretical cortical complex networks** *Speakers: Marcelo H. R. Tragtenberg, Rafael Stenzinger*	Jacarandá

4:20pm – 6:20pm	P	**P137: Cardiac behaviors in the Hindmarsh-Rose model**	Jacarandá
		Speakers: Marcelo H. R. Tragtenberg, Patrick Morelo, Tadeu Scalvin, Rafael Stenzinger	
4:20pm – 6:20pm	P	**P138: What is the best model for decoding neurophysiological signals? Depends on how you evaluate**	Jacarandá
		Speakers: Bruno Aristimunha, Marie-Constance Corsi, Raphael de Camargo, Sylvain Chevallier, Thomas Moreau	
7:10pm – 9:40pm	R	**Banquet Dinner**	

JULY 23 • TUESDAY

8:30am – 8:30am	G	**Registration**	
9:00am – 12:30pm	W	**Brain Modes: Uncovering fundamental dimensions of brain structure and function** *Speakers: James Pang, Alex Fornito*	Cedro II
9:00am – 12:30pm	W	**Career development** *Speakers: Ankur Sinha*	Cedro V
9:00am – 12:30pm	W	**Social Behavior: Evolution, Ecology, Neural Circuit** *Speakers: Daniel Takahashi, Kerstin Schmidt, Fred Wolf*	Cedro IV
9:00am – 12:30pm	W	**The Raw and the Cooked** *Speakers: Antonio Roque, William Lytton, Christophe Pouzat*	Cedro III
9:00am – 12:30pm	W	**Virtual Brains: From data to modeling and back** *Speakers: Marie-Constance Corsi, Damien Depannemaecker, Spase Petkoski, Pierpaolo Sorrentino, Leonardo L. Gollo*	Cedro I
9:00am – 12:45pm	W	**The structure-function binomial of cortical circuits across multiple scales** *Speakers: Patricio Orio, Maurizio De Pitta, Pamela Illescas-Maldonaldo*	Cedro VI
10:20am – 10:50am	B	**Coffee Break**	
12:30pm – 2:10pm	B	**Lunch**	
2:00pm – 3:20pm	K	**Keynote #4: Mauro Copelli, "Brain criticality and cortical states"** *Speakers: Mauricio Girardi-Schappo*	Jacarandá
3:20pm – 3:25pm		**Conference Photo**	
3:20pm – 3:50pm	B	**Coffee Break**	
3:50pm – 4:50pm	G	**Members' Meeting**	
4:50pm – 6:50pm	P	**P010 Natural Language Processing for Early Detection of Psychological Disorders in Brazilian Portuguese** *Speakers: Juliana Avila-Souza, Marina Ribeiro, Cesar Renno-Costa, Sidarta Ribeiro*	Jacarandá
4:50pm – 6:50pm	P	**P083 A simple computational model elucidates the origin of non-intuitive properties of ephaptic interactions between olfactory receptor neurons** *Speakers: Thomas Nowotny, György Kemenes, Lydia Ellison*	Jacarandá
4:50pm – 6:50pm	P	**P084 Astrocyte Morphology and Neurotransmitter Type Affect Intracellular Ca2+ and IP3 Dynamics** *Speakers: Thiago Ohno Bezerra, Antonio Carlos Roque*	Jacarandá
4:50pm – 6:50pm	P	**P085 Modelling astrocyte Ca2 dynamics as an integrator of synaptic activity** *Speakers: Thiago Ohno Bezerra, Antonio Carlos Roque, Peter Rodriguez*	Jacarandá
4:50pm – 6:50pm	P	**P086 Integrating the reaction-diffusion NEURON module in a Purkinje cell model** *Speakers: Bahram Pahlavan, Zhen Yang, Jason Christie, Fidel Santamaria*	Jacarandá
4:50pm – 6:50pm	P	**P087 Dynamic range and pattern formation near transition points of networks of either map-based neurons or heart cells** *Speakers: Mauricio Girardi-Schappo, Bianca L. Paulino, Marcelo H. R. Tragtenberg*	Jacarandá
4:50pm – 6:50pm	P	**P088 Deep linear networks: a framework for understanding perceptual learning in natural and artificial networks** *Speakers: Victor Pedrosa, Andrew Saxe*	Jacarandá
4:50pm – 6:50pm	P	**P089 An extended and improved CCFv3 annotation and Nissl atlas of the mouse brain** *Speakers: Daniel Keller, Sébastien Piluso, Csaba Veraszto, Thibaud L'Yvonnet, Éloïse Colnot, Émilie Delattre, Armando Romani, Henry Markram*	Jacarandá
4:50pm – 6:50pm	P	**P090 Neuronal interactions described with a Game Theory-inspired network model** *Speakers: Fabio Poggio, Martina Brofiga, Cecilia De Vicariis, Vittorio Sanguineti, Paolo Massobrio*	Jacarandá
4:50pm – 6:50pm	P	**P091 Wavelet-based detection algorithm for the electrophysiological characterization of neurospheroid signals** *Speakers: Fabio Poggio, Martina Brofiga, Paolo Massobrio, Francesca Callegari, Ilaria Donati della Lunga, Mariateresa Tedesco*	Jacarandá
4:50pm – 6:50pm	P	**P092 Exploring neurotransmitter release in a model of synaptic dynamics** *Speakers: Paulo Protachevicz, Antonio Batista, Iberê Caldas, Murilo Baptista*	Jacarandá
4:50pm – 6:50pm	P	**P093 Spatiotemporal Variability in EEG Recordings Associated with Cognitive Impairments in Parkinson's Disease** *Speakers: Ian Ramsey, Rodica Curtu*	Jacarandá
4:50pm – 6:50pm	P	**P094 KTH Model: Investigating single neuron functionality** *Speakers: Mauricio Girardi-Schappo, Osame Kinouchi, Sue Rhamidda*	Jacarandá
4:50pm – 6:50pm	P	**P095 A Methodology for Explaining Computational Psychiatric Diagnoses with Large Language Models, Integrated Gradients, and Linguistic Analysis** *Speakers: Marina Ribeiro, Cesar Renno-Costa, Bárbara Malcorra, Lilian Hubner*	Jacarandá
4:50pm – 6:50pm	P	**P096 A Century of the Alpha Rhythm and Its Relatives: A Unified Theory via Eigenmodes** *Speakers: Peter Robinson, Rawan El-Zghir, Natasha Gabay*	Jacarandá
4:50pm – 6:50pm	P	**P097 Modeling of temporal variability of gamma oscillations synchrony** *Speakers: Leonid Rubchinsky, Quynh-Anh Nguyen*	Jacarandá
4:50pm – 6:50pm	P	**P098 Critical behavior in hierarchical modular networks of stochastic neurons with reversal membrane potential** *Speakers: Osame Kinouchi, Antonio Carlos Roque, Flavio Rusch*	Jacarandá
4:50pm – 6:50pm	P	**P099 From muscle spindle to spinal cord: A modelling approach of the hierarchical organization in motor control** *Speakers: Pablo Chacon, Syn Schmitt*	Jacarandá

4:50pm – 6:50pm	P	**P101 AnalySim new features: Interactive notebooks and CSV browser** *Speakers: Kshitiz Sareen, Pon Raja Prabhu S K, Anca Doloc-Mihu, Cengiz Gunay*	Jacarandá
4:50pm – 6:50pm	P	**P102 Kolmogorov-Smirnov Statistic Based Parameter Learning for Complexity Synchronization Analysis of Physiological Time-Series** *Speakers: Piotr Franaszczuk, David Boothe, Ioannis Schizas, Scott Kerick, Korosh Mahmoodi*	Jacarandá
4:50pm – 6:50pm	P	**P103 The effect of nonlinear dynamics and axonal delays on the relationship between structural and functional brain connectivity** *Speakers: Jaroslav Hlinka, Helmut Schmidt, Stella Sanchez, Antonin Skoch, Filip Spaniel, David Tomecek, Pavel Sanda*	Jacarandá
4:50pm – 6:50pm	P	**P104 The internal dynamics of the free-running receiver can mediate phase relations between two unidirectionally coupled neuron models** *Speakers: Joana Silva, Fernanda Selingardi Matias*	Jacarandá
4:50pm – 6:50pm	P	**P105 Applying information theory quantifiers to analyze motor cortex activity of a non-human primate during an instructed delayed reach-to-grasp task** *Speakers: Fernanda Selingardi Matias, Pedro Fellype Silva*	Jacarandá
4:50pm – 6:50pm	P	**P106 Characterizing a visual search task using a symbolic information approach applied to human intracranial data** *Speakers: Fernanda Selingardi Matias, Pedro Fellype Silva, Icaro R. S. C. da Paz, Helena B. de Lucas, Osvaldo A. Rosso*	Jacarandá
4:50pm – 6:50pm	P	**P107 A standardised pipeline for analysing neuronal models in NeuroML** *Speakers: Ankur Sinha, Padraig Gleeson, Boris Marin*	Jacarandá
4:50pm – 6:50pm	P	**P108 Geometric eigenmodes as a means to constrain the source localisation problem of EEG and MEG** *Speakers: Pok Him Siu, Phillipa Karoly, Artemio Soto-Breceda, David Grayden*	Jacarandá
4:50pm – 6:50pm	P	**P109 Potassium and calcium currents trigger epileptic activity** *Speakers: Fernando Borges, Paulo Protachevicz, Rodrigo de Oliveira Pena, Enrique C. Gabrick, José D. Szezech Jr., Antonio Batista, Iberê Caldas, Salvador Dura Bernal, Diogo L. M. Souza, Conrado F. Bittencourt, Lucas E. Bentivoglio, Kelly Iarosz*	Jacarandá
4:50pm – 6:50pm	P	**P110 Topological approaches to understanding multi-human team EEG state** *Speakers: Piotr Franaszczuk, David Boothe, Javier Omar Garcia, Brittany Story, Zhibin Zhou, Ramesh Srinivasan*	Jacarandá
4:50pm – 6:50pm	P	**P111 Using brain network modeling to understand the pharmacodynamics of ketamine** *Speakers: Petra Ritter, Leon Stefanovski, Jennifer Them, Lion Deger, Jan Stasiński, Leon Martin, Halgurd Taher*	Jacarandá
4:50pm – 6:50pm	P	**P112 Is the cortical dynamics ergodic? A numerical study in partially-symmetric networks of spiking neurons** *Speakers: Ferdinand Tixidre, Alessandro Torcini, Gianluigi Mongillo*	Jacarandá
4:50pm – 6:50pm	P	**P113 Robustness of sparse cortical networks** *Speakers: Fleur Zeldenrust, Tansu Celikel, Tea Tompos*	Jacarandá
4:50pm – 6:50pm	P	**P114 OpenWorm updates: Consolidating connectomes, 2D worm body models, biophysically detailed neuron models and using LLMs to help build a worm** *Speakers: Ankur Sinha, Padraig Gleeson, Yasinthan Vickneswaran, Stephen Larson*	Jacarandá
4:50pm – 6:50pm	P	**P115 The dual nature of synaptic homeostasis: Interaction between fast and slow processes** *Speakers: Petros Evgenios Vlachos, Jochen Triesch*	Jacarandá
4:50pm – 6:50pm	P	**P116 Closed-loop neurostimulation for the treatment of pathological brain rhythms** *Speakers: Thomas Wahl, Axel Hutt, Michel Duprez*	Jacarandá
4:50pm – 6:50pm	P	**P117 Some further developments on a neurobiologically-based model for human color sensation** *Speakers: Charles Wu*	Jacarandá
4:50pm – 6:50pm	P	**P118 Shorter Intrinsic Timescales in Aging Brains: Insights from Spiking Neuron Networks** *Speakers: Leonardo Gollo, Kaichao Wu*	Jacarandá
4:50pm – 6:50pm	P	**P119 Dynamical remodeling of neural circuit architecture** *Speakers: Fred Wolf, Wenqi Wu*	Jacarandá
4:50pm – 6:50pm	P	**P120 A network model for flexible binding in working memory with dendritic bistability** *Speakers: Jiacheng Xu, Daniel Cox*	Jacarandá
4:50pm – 6:50pm	P	**P121 Synaptic down-scaling during sleep emerges as a by-product of decoupled neuronal activities** *Speakers: Aziza Yusupova, Everton J Agnes*	Jacarandá
4:50pm – 6:50pm	P	**P122 Efficient Algorithms for Extracting Higher-Order Geometric Information from Complex Networks and its Applications to Neuroscience** *Speakers: Barros de Souza, Juergen Jost, Jonatas Teodomiro, Fernando Santos, Serafim Rodrigues*	Jacarandá
4:50pm – 6:50pm	P	**P123 Tight E-I Balance, Feedback, and Efficient Coding in Hierarchical Spiking Neural Network: Modeling Simple and Complex Cell Dynamics** *Speakers: Anthony Burkitt, Catherine Davey, Elnaz Nemati, Hamish Meffin*	Jacarandá
4:50pm – 6:50pm	P	**P124: Effect of Focused Ultrasonic Stimulation via Intramembrane Cavitation in the Squid Giant Axon** *Speakers: Mithun Padmakumar, Divya Rajan, John Eric Steephen*	Jacarandá
4:50pm – 6:50pm	P	**P139: Spatiotemporal Encoding of Task Variables Across the Mouse Brain** *Speakers: Lucas Tavares, Adriano Tort*	Jacarandá
4:50pm – 6:50pm	P	**P140: Beyond the neuro in neurofeedback: combining multisource data to estimate brain function** *Speakers: Richardson Leao*	Jacarandá
4:50pm – 6:50pm	P	**P141: Distributed engrams constitute flexible and versatile neural representations** *Speakers: Douglas Feitosa Tomé, Tim P. Vogels*	Jacarandá
4:50pm – 6:50pm	P	**P142: Respiratory-coupled brain oscillations appear in different exploratory contexts in rats** *Speakers: Elis Duarte, Adriano Tort, Joseph Alves, Davi Barreto, Ana Dias, Diego Laplagne*	Jacarandá
4:50pm – 6:50pm	P	**P143: Computational model of the role of disinhibition in hippocampal CA1 activity** *Speakers: György Buzsáki, Laura Green, John Rinzel, Mihály Vöröslakos*	Jacarandá

4:50pm – 6:50pm	P	**P144: Chimera States in Hodgkin-Huxley networks with slow potassium and calcium currents**	Jacarandá
		Speakers: Lucas E. Bentivoglio, Diogo L. M. Souza, Fernando Borges, Paulo Protachevicz, Enrique C. Gabrick, Kelly Iarosz, Iberê Caldas, Antonio Batista, Ricardo Viana	
4:50pm – 6:50pm	P	**P145: Exploring Neural Manifolds in Non-Invasive EEG During Rhythmic Walking**	Jacarandá
		Speakers: Geroncio da Silva Filho, Seidi Yonamine Yamauti	
4:50pm – 6:50pm	P	**P146: Data-Driven Reconstruction of Subthalamic Nucleus: Understanding the Microcircuitry Underlying the "Sweet-spot" of DBS for Parkinson's Disease**	Jacarandá
		Speakers: Qin Liu, Valery Bragin, Petra Ritter	
7:00pm – 10:00pm	R	**Party**	Praiamar Hotel Rooftop

JULY 24 • WEDNESDAY

8:30am – 9:00am	G	**Registration**	
9:00am – 12:00pm	W	**The structure-function binomial of cortical circuits across multiple scales** *Speakers: Pamela Illescas-Maldonaldo, Patricio Orio, Maurizio De Pitta*	Cedro VI
9:00am – 12:30pm	W	**Advances in Natural Language Processing for Computational Neuroscience** *Speakers: Marina Ribeiro, Aline Villavicencio, Bárbara Malcorra, Cesar Renno-Costa, Rodrigo Wilkens*	Cedro I
9:00am – 12:30pm	W	**From Computational Neuroscience to Biomimetic Embodied AI** *Speakers: Thomas Nowotny, Renan Moioli*	Cedro V
9:00am – 12:30pm	W	**Whole Brain Network Modeling for Clinical Application** *Speakers: Simon Adriano Munoz Lagunas, Petra Ritter*	Cedro IV
9:00am – 5:00pm	W	**Cerebellar learning and models of learning involving the cerebellum** *Speakers: Volker Steuber, Arnd Roth*	Cedro II
9:00am – 5:30pm	W	**Neuronal Oscillations: From Mechanisms to Computation** *Speakers: Horacio G. Rotstein*	Cedro III
10:20am – 10:50am	B	**Coffee Break**	
12:30pm – 2:10pm	B	**Lunch**	
2:00pm – 5:30pm	W	**Workshop on Methods of Information Theory in Computational Neuroscience** *Speakers: Joseph T. Lizier, Abdullah Makkeh, Pedro Mediano, Marilyn Gatica, Michael Wibral*	Cedro I
3:20pm – 3:50pm	B	**Coffee Break**	