

Celebrating 13 Years of Research at NeuroMat: a Look at the Past and the Future
São Paulo, SP, Brazil
June 24-25 2026

Program

Wednesday, June 24		
09:00 – 09:10	Roberto Marcondes (Director of the Institute of Mathematics and Statistics)	Welcome address
Module 1: Stochastic neuronal networks - Chair: Florencia Leonardi		
09:10 – 09:40	Eva Löcherbach (remote)	Talk 1 - <i>Deux ou trois choses que je sais d'elle(s)</i> : 13 years of modeling spiking neurons with stochastic point processes having memory of variable length
09:40 – 10:10	Guilherme Ost	Talk 2 - TBA
10:10 – 10:30	Coffee break	
10:30 – 11:00	Morgan André	Talk 3 - Metastability in systems of spiking neurons
11:00 – 11:30	Florencia Leonardi	Talk 4 - Past and present developments in the statistical analysis of neuronal random networks
11:30 – 12:00	Eva Löcherbach (remote), Morgan André, Cláudia Vargas and João Peschanski	Tribute to Christophe Pouzat
12:00 – 14:00	Lunch	
Module 2: Statistician brain - Chair: Cláudia Vargas		
14:00 – 14:30	Leonardo Cohen (remote)	Talk 5 - How skills are learned: a computational perspective
14:30 – 15:00	Marcela Svarc	Talk 6 - Clustering EEG data by Law
15:00 – 15:10	Interval	
15:10 – 15:40	Aline Duarte	Talk 7 - TBA
15:40 – 16:10	André Helene	Talk 8 - Applied perspectives on the statistical brain conjecture
16:10 – 16:30	Coffee break	
16:30 – 17:00	Cláudia Vargas	Talk 9 - Electrophysiological correlates of stochastic sequence learning
17:00 – 18:30	Poster session	
Thursday, June 25		
Module 3: Computational models - Chair: Antonio Roque		
09:10 – 09:40	Markus Diesmann (remote)	Talk 10 - NeuroMat advanced reproducibility of large-scale models and shaped community

09:40 – 10:10	Mauro Copelli (remote)	Talk 11 - Brain criticality and cortical states
10:10 – 10:30	Coffee break	
10:30 – 11:00	William Lytton (remote)	Talk 12 - The missing middle: we need neurons in neural networks
11:00 – 11:30	Viktor Jirsa (remote)	Talk 13 - TBA
11:30 – 12:00	Antonio Roque	Talk 14 - NeuroMat SimLab: a decade of contributions
12:00 – 14:00	Lunch	
Module 4: Neurobiological and clinical applications - Chair: Maria Elisa Piemonte		
14:00 – 14:30	Daniel Fraiman	Talk 15 - Statistical comparison of brain networks
14:30 – 15:00	Daniel Takahashi (remote)	Talk 16 - Inferring information flow in high-dimensional systems from incomplete and asynchronous observations
15:00 – 15:10	Interval	
15:10 – 15:40	Oswaldo Baffa	Talk 17 - The legacy of the CEPID NeuroMat project in transcranial magnetic stimulation research
15:40 – 16:10	Pantelis Lioumis	Talk 18 - Neuroimaging-guided TMS, TMS-EEG, and multi-locus TMS: towards a fully automated, individualized, and precise brain stimulation
16:10 – 16:30	Coffee break	
16:30 – 17:00	Maria Elisa Piemonte	Talk 19 - Rede AMPARO at 10 years: from scientific knowledge to community impact in Parkinson's disease
17:00 – 17:10	Interval	
17:10 – 18:30	João Peschanski	Screening of a film in tribute to Antonio Galves

