CHRISTMAS MEETING

Sala Josep Marull
December 16, 2025
9:30 h



Program

09:15 h.
Welcoming notes.

9:30 h.
Andrea Locarno (Stockholm University, Sweden). Endocannabinoid feedback tunes reciprocal connectivity between the prefrontal cortex and locus coeruleus.

10:00 h.
Andrea Navas-Olivé (Institute of Science and Technology Austria (ISTA), Vienna, Austria). Network architecture shapes memory storage in hippocampal CA3 models.

10:30 h.
Ramón Nogueira (University of Chicago, US). Task structure and differential correlations limit the performance of naturalistic tasks.

11:00 h. Coffee break.

11:30 h.
Enrique Velasco (Center for Brain & Disease Research, KU Leuven-VIB, Belgium). A new action potential generation mechanism based on depolarizing subthreshold fluctuations.

12:00 h.
Caroline Haimer (Champalimaud centre for the unknown, Lisbon, Portugal). From action to abstraction – World structure emerges from action prediction.

12:30 h.
Álvaro Murillo-Bartolomé (Cardiff University, UK).
A gene correction approach to Huntington's Disease.

13:00 h. Short talks: Antonio Florido (Hospital del Mar Research Institute, Spain); Carla Ramon (Hospital del Mar Research Institute, Spain)

13:30 h. Lunch

14:30 h.
Andrea Sánchez-Ruiz (Cajal Institute (CSIC), Spain). Dorsal raphe astrocytes orchestrate social bonding via serotonergic modulation of prefrontal circuits.

15:00 h.
Clara María Sellés-Japas (Neuroscience Institute, NYU, New York, US). Astrocytes mediate a local positive feedback loop for oxytocin.
15:30 h. Elisabet Parés-Pujolràs (University College Dublin, Ireland). Neurocomputational mechanisms of perceptual decision-making.

16:00 h.
Jens-Bastian Eppler (Centre de Recerca Matematica (CRM), Barcelona, Spain). Representational similarity is preserved during representational drift in random networks.

16:30 h.
Tiffany Oña (Allen Institute for Neural Dynamics, Seattle, US). Learning and decision-making in an odor patch foraging task.

17:00 h. Farewell notes.

17:30 h. Beers and Christmas toast.

Institut d'Estudis Catalans
Societat Catalana de BIOLOGIA
BARCCSYN
Barcelona Computational, Cognitive and Systems Neuroscience Community