

SCHEDULE

	Thursday May 22nd, 2025	Friday May 23rd, 2025
9:00-9:30	Registration	
9:30-9:40	Welcome	
9:40-10:10	Chair: Manuel Valero (IMIM) <i>Understanding the emergence of hexagonal grid cells in networks trained to path integrate</i> - <b>Gabriel Mel</b> Centre de Recerca Matemàtica	Chair: Alex Hyafil (CRM) <i>MazeBuilder: A Virtual Reality Tool for Use in Spatial Navigation Research</i> - <b>Angela Marti-Marca</b> Universitat Pompeu Fabra
10:10 - 10:40	<i>A two-photon fiberscope for calcium imaging and cell-precise optogenetic stimulation in freely moving mice</i> - <b>Nicolo Accanto</b> Institute for Bioengineering of Catalonia (IBEC)	<i>Cross-Frequency Coupling as a Neural Substrate for Prediction: Error Evaluation: A Laminar Neural Mass Modeling Approach</i> - <b>Giulio Ruffini</b> Neuroelectrics
10:40-11:10	Poster Blitz 1	Poster Blitz 2
11:10-12:30	Coffee Break (Poster Session I)	Coffee Break (Poster Session II) + Group picture
12:30-13:30	<b>Plenary lecture I</b> <i>Creating coordination in the cerebellum</i> - <b>Megan Carey</b> Champalimaud Foundation	<b>Plenary Lecture II</b> <i>How do humans compose new knowledge from existing building blocks?</i> - <b>Chris Summerfield</b> Oxford University / Universitat Pompeu Fabra
13:30-15:30	Lunch Break	Lunch Break
15:30-16:00	Chair: Gemma Huguet (UPC) <i>Neural manifolds, dimensionality and communication in spontaneous activity of the visual cortex depend on eye closure</i> - <b>Aitor Morales-Gregorio</b> Charles University in Prague	Chair: Mavi Sánchez-Vives (IDIBAPS) <i>Metacognition Reduces Confirmation Bias and Facilitates Changes of Mind in Perceptual Decision Making</i> - <b>Alexis Pérez-Bellido</b> Universitat de Barcelona
16:00-16:30	<i>Spatiotemporal integration properties of MT neurons affect motion discrimination</i> - <b>Lucía Arancibia</b> Centre de Recerca Matemàtica	<i>Neuronal dynamics during binocularly conflicting stimulus presentation in mouse V1</i> - <b>Melina Timplalexi</b> Universitat Internacional de Catalunya
16:30-17:30	Coffee break (Poster Session I)	Coffee break (Poster Session II)
17:30-18:00	<i>Emergent stability in random networks: Computational principles of representational similarity</i> - <b>Jens-Bastian Eppler</b> Centre de Recerca Matemàtica	<b>Plenary Lecture III</b> <i>The odds of a decision</i> - <b>Matteo Carandini</b> University College London
18:00-18:30	<i>Arkypallidal neurons in the external globus pallidus can mediate inhibitory control by altering competition in the striatum</i> - <b>Cristina Giossi</b> Universitat de Les Illes Balears	Prizes and Concluding remarks
		Reception and Farewell