





Computational Neurosciences Seminars (CNS)

with the support of Labex Cortex and CRNL

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Bridging empirical findings and computational models: from neurons to circuits, networks and cognition

Tuesday	December	3	. 2024
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uay December	3, 2024
	Amphitheater "Neurocampus" (CRNL, CH Le Vinatier, Bron)
09.30 – 12.45	Duo (Experiment & Model) - Laurent Venance (CIRB, Collège de France, Paris) & Hugues Berry (INRIA, Lyon) Spike timing dependent potentiation: from experiments to computational models
14.15 – 15.45	Romain Quentin (CRNL, Lyon) Multivariate methods to decode memory contents from neural recordings
16.00 - 16.30	Round table

Wednesday December 4, 2024

-	Amphitheater "Neurocampus" (CRNL, CH Le Vinatier, Bron)
09.30 – 11.00	Françoise Lecaignard (CRNL, Lyon) Neurophysiology of auditory sequence perception: experiments and models
11.00 – 12.45	Matteo di Volo (SBRI, Lyon) Hippocampal gamma oscillations form complex ensembles modulated by behaviour and learning
14.15 – 15.45	Elif Elif Köksal-Ersöz (CRNL, Lyon) Associative memory and priming
16.00 - 16.30	Round table

Thursday December 5, 2024

day December	3, 202 1
	Amphitheater "Neurocampus" (CRNL, CH Le Vinatier, Bron)
09.30 – 12.45	Duo (Experiment & Model) - Emmanuel Procyk (CRNL, Lyon) & Bruno Delord (Paris Sorbonne Univ.) Inhibitory control of frontal metastability sets the temporal signature of primate cognition
14.15 – 15.45	James Bonaiuto (ISC, Lyon) Selective alteration of human value decisions with medial frontal tDCS is predicted by changes in attractor dynamics
15.45 – 17.00	Jacqueline Scholl (CRNL, Lyon) Models of credit assignment to understand contingent and non-contingent learning and its neural mechanisms

Friday December 6, 2024

	!!!! WARNING !!! Salle Soieries (1st floor of 452 building CH Le Vinatier, in front of Neurocampus)
09.30 – 12.45	Duo : Jérémie Mattout C. Annicchiarico (CRNL, Lyon) Neurofeedback and Active Inference
14.15 – 15.45	Pauline Mouches (CRNL, Lyon) Adaptive artificial neural networks for neuroscience applications