

Neuroconferences Series 2026

*organized by the Master 2 FCN and CNS of UCB Lyon 1 –
with the support of Labex Cortex*

WARNING: Location differs depending on the day, check carefully!!

Cortico-basal ganglia circuits across time and space		Organizers: Dr Léon Tremblay & Dr Christiane Schreiweis Institut des Sciences Cognitives – Marc Jeannerod & Centre de Recherche en Neurosciences de Lyon leon.tremblay@isc.cnrs.fr christiane.schreiweis@univ-lyon1.fr	
" We are what we repeatedly do. Excellence, then, is not an act but a habit." — Will Durant, <i>The Story of Philosophy: The Lives and Opinions of the World's Greatest Philosophers</i>, 1926			
Tue Oct 13	Session 1 – Introduction (students only)		
	10.00-12.00	Dr Christiane Schreiweis and Dr Léon Tremblay (Centre de Recherche en Neurosciences de Lyon & Institut des Sciences Cognitives-Marc Jeannerod) Introduction to the topic (students only)	Amphi Neurocampus CRNL (CH Le Vinatier, Bat. 462, 95 bd Pinel, Bron)
	Session 2 – Striatal microcircuitry: major players and their function		
	14.00-15.00	Dr Elodie Fino (Institute of Neurobiology of Méditerranée INMED, Marseille) Title: Shaping the striatal output: the circuit logic of local inhibition Topic: MSNs and (cholinergic/SST) interneurons; initial learning to overtraining/routines; in vivo /ex vivo electrophysiology	Amphi Neurocampus CRNL (CH Le Vinatier, Bat. 462, 95 bd Pinel, Bron)
	15.00-16.00	Dr Eric Burguière (CRNL, Bron) Title: From Choice to Compulsion: Striatal Interneurons in Behavioral Control Topic: PVIs and decision making	
	16.00-17.00	Dr Emmanuel Valjent (Institut des Neurosciences de Montpellier) Title: Autoregulatory Control of Dopamine Neurons by D2 Autoreceptors: can dogmas be challenged? Topic: direct/indirect pathway, pharmacology, tail of the striatum	

Thu Oct 15	Session 3 - Neurodegenerative Disorders and basal ganglia dysfunction in severe brain injury		Amphi Institut des Sciences Cognitives – Marc Jeannerod (67 boulevard Pinel, Bron)
	10.00-11.00	Dr Véronique Sgambato (CRNL, Bron) Title: Establishing a translational research programme: An example relating to Parkinson's disease Topic: Parkinson's disease	
	11.00-12.00	Dr Maude Beaudoin (CRNL, Bron) Title: When the Mesocircuit fails: basal ganglia dysfunction in Disorders of consciousness Topic: coma; patients; primates; diagnosis; therapeutic approaches	
	Session 4 - Dopamine and striatal plasticity: from adaptive behavior to dysfunction		
	14.00-15.00	Dr Robin Magnard (Grenoble Institut des Neurosciences) Title: From cues to habits, how dopamine puts behavior on autopilot Topic: Dopamine neurotransmission and habit formation, in vivo dopamine biosensors, fiber photometry	
	15.00-16.00	Dr Jennifer Kauffling (Institut des Neurosciences Cellulaires et Intégratives, Strasbourg) Title: Dopamine modulation by inhibitory control from the tail of the VTA Topic: Dopamine – chronic pain & depression	
	16.00-17.00	Dr Paolo Gubellini (Centre de Recherche en Psychologie et Neurosciences, Marseille) Title: Cortico-striatal plasticity in mouse models of autism spectrum disorder Topic: striosomes, cholinergic interneurons; Tshz-3, ASD autism	

Fri Oct 16	Session 5 – Neuropsychiatric disorders		
	10.00-11.00	Dr Orsolya Pesthy (CRNL, Bron) Title: Foes in the brain: exploration of a frontal-striatal competition using brain stimulation Topic: statistical learning; explicit/implicit learning; transcranial brain stimulation	Amphi Institut des Sciences Cognitives – Marc Jeannerod (67 boulevard Pinel, Bron)
	11.00-12.00	Dr Benjamin Pasquereau (ISC-MJ, Bron) Title: Unravelling the circuit of choice impulsivity in the primate brain Topic: impulsivity, optogenetics, non-human primate	
	Session 6 – Basal Ganglia across Time and Space – a student project		
	14.00-16.00	Léon Tremblay & Christiane Schreiweis: workshop with M2 students only	Amphi Institut des Sciences Cognitives – Marc Jeannerod (67 boulevard Pinel, Bron)