



# Club Neuroéthologie Réunion Annuelle 2025

Montpellier, May 13<sup>th</sup> 2025

Campus St Priest, Amphi 2  
860 rue de St Priest 34090 Montpellier.

**Convenors:** German Sumbre, Aurore-Avarguès-Weber,  
Emmanuel Perisse & Martin Giurfa

(Talks marked as 'TO BE DEFINED' are selected from the submissions made by PhD students and Postdocs; these are not yet available).

**9:00:** Welcome

**9:10 – 10:00:** INVITED TALK – **Carolina REZAVAL** (University of Birmingham, UK) (40 + 10): *"From Stimulus to Action: How the Brain Balances and Sex and Survival Needs"*.

**10:00 – 10:20:** **Paul CLEMENÇON** (IRBI, Tours) (15 + 5): *"Perceptual of mechanical vs visual stimuli"*

**10:20 – 10:40:** **Nuria ROMERO** (Univ. Côte d'Azur, Sophia Antipolis) (15 + 5): *"From gravity sensing to orientation behavior"*

**BREAK 10 min**

**10:50 - 11:40:** INVITED TALK – **Elim HONG** (Sorbonne University, France) (40 +10): *"Elucidating mechanisms underlying competitive selection of neural circuits that modulate aversive behavior"*.

**11:40 – 12:00:** **Silvère GIRAUD** (IRD, Montpellier) (15 + 5): *"The role of mosquito learning capacity in behavioral resistance to repellents"*

**12:00 – 12:20:** **Alexandra MARTIN** (Neuropsi, Paris-Saclay) (15 + 5): *"Is auditory cortex necessary for discriminating communication sounds in noise?"*

**12:20 – 12:40:** **Julia MARIETTE** (EGCE IDEEV, Paris-Saclay) (15 + 5): *"Sexual pheromone processing in the honey bee brain"*

**12: 40 – 14:00:** Lunch + Poster Session

**14:00 – 14:50:** INVITED TALK – **Pauline FLEISCHMANN** (University of Oldenburg, Germany) (40 +10): *“Neuroethology of insect magnetoreception”*.

**14:50 – 15:10:** **Elena KERJEAN** (CRCA, Toulouse) (15 + 5): *“Foraging ecology meets learning theory: revisiting the space vs. massed conditioning effect”*

**15:10 – 15:30:** **Patricio CASANOVA** (ENS, Paris) (15 + 5): *“Evolution of neural computations underlying navigation”*

#### **BREAK 10 min**

**15:40 – 16:30:** INVITED TALK – **Adrien MEGUERDITCHIAN** (CNRS – Aix Marseille University, France) (40 +10): *“The Origin of Language: Insight from neuroethology of gestural communication in nonhuman primates”*.

**16:30 – 16:50:** **Catherine MACRI** (Sorbonne University, Paris) (15 + 5): *“Serotonergic-dependent perceptual awareness is required for trace conditioning in honey bees”*

**16:50 – 17:10:** **Yannick BECKER** (Max Planck Inst., Leipzig) (15 + 5): *“Missing link in language evolution: the arcuate fascicle in chimpanzee brains”*

**17:10 – 17:30:** **Adrian PONCE-ALVAREZ** (Univ. Polit cnica Catalu a, Barcelona) (15 + 5): *“The critical behavior of mammalian brain activity”*

**17:30 – 19:00:** **Poster Session + Buffet**