



# Club Neuroéthologie

## Réunion Annuelle 2024

Albi, May 21<sup>st</sup> 2024

Institut National Universitaire Champollion

<https://www.univ-jfc.fr/>

Place de Verdun - 81012 Albi cedex 09

**Convenors:** Aurore Avarguès-Weber, Martin Giurfa,  
German Sumbre & Eléonore Rolland

**9:00:** Welcome

**9:15 – 10:05:** INVITED TALK – **Stefan SCHUSTER** (University of Bayreuth, Germany): *“High-speed decision making in archerfish”*.

**10:05 – 10:25:** Cécile Bellanger (Ethos – Caen): *Control of body colour change in a cephalopod*

**10:25 – 10:45:** Lola Fauré (CRCA – Toulouse): *Capacity to discriminate two siblings is lost early in Alzheimer's disease mouse model*

**BREAK 20 min**

**11:05 - 11:55:** INVITED TALK – **Severine TRANNOY** (CNRS - University of Toulouse) (35 +10): *“Molecular mechanisms regulating the intensity of aggressive behaviors in *Drosophila melanogaster*”*.

**11:55 – 12:15:** Elena Kerjean (CRCA - Toulouse): *Numbers matters: honeybees preferentially use numerical cues in an ecologically relevant task of quantity discrimination*

**12: 15 – 14:00:** Lunch + Poster Session

**14:00 – 14:50:** INVITED TALK – **Emily BAIRD** (University of Stockholm, Sweden): *“Some don't like it hot: Assessing the effect of temperature on insect foraging behavior”*.

**14:50 – 15:10:** Alid Al-Asmar (CRCA - Toulouse): *An experimental test of optimal foraging theory in the worm *Caenorhabditis elegans**

**15:10 – 15:30:** Martin Dessart (IRBI - Tours): *Cognitive abilities in mosquito larvae as indicators of environmental quality*

**BREAK 20 min**

**15:50 – 16:40:** INVITED TALK – **Arthur LEBLOIS** (CNRS - University of Bordeaux): *“Exploration, motor variability and the basal ganglia-cortical network: Lessons from songbirds”*.

**16:40 – 17:00:** Laure Tosatto (CRPN - Marseille): *The role of chunk stability in sequence learning in Guinea baboons (*Papio papio*)*

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

## Posters

Carvalho Da Silva (IBPS – Paris): *Unraveling the effects of the short neuropeptide F (sNPF) in Winter bees*

Blandine Mahot-Castaing (CRCA – Toulouse): *Bumblebees under the radar: Do bees feel electromagnetic waves and can they use it as a cue to forage?*

Catherine Macri (IBPS – Paris) : *Uncovering the neuro-ethological components of emotions in honeybees*

Alexandre Chambard (IGF – Montpellier) : *Heterogeneous defensive behaviors reflect social competition in male and female mice*

Claire Marcout (IBPS - Paris): *Statistical learning in honey bee*

Francesca Pinna (ICM – Paris): *How social experience affects numerical discrimination abilities?*

Eléonore Rolland (ISC - Lyon) : *Evidence of organized but not disorganized attachment in wild Western chimpanzee offspring (*Pan troglodytes verus*)*

Germán Sumbre (ENS – Paris): *Whistle variability and social acoustic interactions in bottlenose dolphins*

Frank Weber (IBPS – Paris): *The impact of odor cues from invasive floral species on appetitive responses of honey bees: attractiveness as a factor of success*