

## **Session Program**

**19-24 Sept 2025**



## **ESITO 2025**

## **Evolution**

Villasimius, Italy, Hotel Comoran  
Località Campus, Via del Porto, 37, 09049 Villasimius CA, Italy

# Monday 22 September

09:00

## Evolution

### Session

09:00–09:30 **Chemical sensing in arachnids**

#### Speaker

Gabriele Uhl

09:30–09:45

**Where's Waldo? A hunt for functionally divergent odorant receptor orthologs in the context of host shifts**

#### Speaker

Arthur Comte

09:45–10:00

**Olfactory alchemy: Unraveling the molecular basis of the Orco-ORx puzzle**

#### Speaker

Camille Meslin

10:00–10:15

**Of flies and feces: Olfactory preference for weird resources in *Drosophila melanogaster***

#### Speaker

Heinrich Marx

10:15–10:30

**Evolution of an olfactory subsystem in Hymenoptera: a springboard for eusociality?**

#### Speaker

Jean-Christophe Sandoz

10:30–11:00

**Coffee break**

11:00–11:15

**Comparative transcriptomic analyses in Tephritidae species provide insights into the ecological driving force behind odorant receptor evolution**

#### Speaker

Emmanuelle Jacquin-Joly

11:15–11:30

**Receptor expression analysis of an olfactory organ reveals evolutionary patterns: from co-option to cell-type diversification.**

#### Speaker

Juan Sebastian Lugo Ramos

11:30–11:45

**From land to water: Evolution of odorant receptor repertoires and expression across adephagan beetles**

**Speaker**  
Marie Merle

11:45–12:00

**Evolutionary reconstruction of odorant receptor co-expression, neofunctionalization, and replacement**

**Speaker**  
Roman Arguello

12:00