



Centre IRD Occitanie, Montpellier, France

5th November 2018

9h00 – 9h20 Presentation

- 9.20 – 10.00 Josefa Gonzalez (IBE, Spain)

The role of natural transposable element insertions in stress response

- 10.00 – 10.40 Anna Cohuet (MIVEGEC, France)

Ecology and evolution of vector-parasite interactions: a prerequisite for malaria control

10h40 – 11h10 PAUSE – Coffee and croissants –

- 11.10 – 11.50 Robert Waterhouse (UNIL, Switzerland)

Evolutionary-functional genomics for characterisation and control of disease vector mosquitoes

- 11.50 – 12.30 Patrik Nosil (University of Sheffield, UK)

Ecological discontinuity drives multi-genic adaptation in cryptic coloration

12h30 – 14h00 LUNCH

- 14.00 – 14.40 Mylene Weill (ISEM, France)

Gene duplications and insecticide resistance

- 14.40 – 15.20 Mathieu Joron (CEFE, France)

Evolution and maintenance of an adaptive inversion polymorphism in a butterfly

15h20 – 15h50 PAUSE – Coffee and croissants –

- 15.50 – 16.30 Michael Fontaine (MIVEGEC, France)

Genome compartmentalization and Reticulated evolution in the *Anopheles gambiae* complex

- 16.30 – 17.10 Diego Ayala (MIVEGEC, France)

A new species in the *Anopheles gambiae* complex reveals new evolutionary relationships between vector and non-vector species

17h10 – 17h45 Final Remarks and Discussion

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