

## **Frontiers in Evolutionary Biology (GOA00A) – 2018**

**Arenberg Doctoral School**

*Organised in collaboration with FWO research network EVENET*

*<http://www.ecology.ugent.be/evenet/>*

### ***Programme***

**Wednesday 23<sup>rd</sup> May 2018:** Mini-symposium on ***Spatial patterns in eco-evolutionary responses of butterflies***

*Location: Maria-Theresiacollege (room MTC1 01.15), Sint Michielsstraat 6, 3000 Leuven*

13:00 h: Marjo Saastamoinen (Metapopulation Research Centre, Department of Biosciences, University of Helsinki, Fi): “Life-history responses to environmental stress in the Glanville fritillary butterfly – from genes to metapopulation dynamics”

14:00 h: coffee break

14:30 h : Hans Van Dyck (Earth and Life Institute, UCL, B): “Niche expansion, behaviour and sensory ecology in the speckled wood butterfly: the ecotype matters”

Coordinator: Robby Stoks (@kuleuven.be)

**Thursday 31<sup>st</sup> May 2018:** Mini-symposium on ***Microbial evolution***

*Location: Maria-Theresiacollege (room MTC3 00.15, Kleine Aula), Sint-Michielsstraat 6, 3000 Leuven*

14:00 h: Ackermann Martin (Molecular Microbial Ecology group, ETH Zürich, Switzerland) : “Self-organization and emergent properties in multicellular microbial systems”

15:15 h: coffee break

15:45 h: Kevin Verstrepen (Centre of Microbial and Plant Genetics, KU Leuven, B): “Looking at yesterday’s yeast to create the industrial yeasts of tomorrow”

17:00: drink

Coordinator: Tom Wenseleers (@kuleuven.be)

## **Thursday 21<sup>st</sup> June 2018: Mini-symposium on *Ecological speciation***

*Location: Kolenmuseum (room KOL 00.04), Ch. Deberiostraat 32, 3000 Leuven*

14:00 h: Paolo Momigloano (Ecological Genetics Research Unit, Department of Biosciences, University of Helsinki, Fi): “The European flounder species pair: ecological speciation, unobserved diversity and cryptic declines”.

15:15 h: coffee break

15:45 h: Federico Calboli (Laboratory of Biodiversity and Evolutionary Genomics, KU Leuven, B): “When ecological speciation does NOT work: the case of lake ninespine sticklebacks”.

17:00 h: drink

Coordinator: Filip Volckaert (@kuleuven.be)

## **Monday 25<sup>th</sup> June 2018: Mini-symposium on *Evolutionary ecology***

*Location: Maria-Theresiacollege (room MTC1 00.03), Sint Michielsstraat 6, 3000 Leuven*

14:00 h: John N Thompson (Department of Ecology and Evolutionary Biology, University of California at Santa Cruz, Ca): “The diversification of coevolving interactions”

15:00 – 1530 h: Discussion with John Thompson for Master and PhD students

15:15 h: coffee break

15.45 h: Kristien Brans (Laboratory of Ecology, Evolution and Conservation, KU Leuven, B): “Multi-trait adaptation to urbanization”

16:45 h: drink

Coordinator: Luc De Meester (@kuleuven.be)

### *Justification:*

*Every other year the Department of Biology of the KU Leuven organizes the graduate course Frontiers in Evolutionary Biology for PhD students. The course is taught in four mini-symposia (of 2 talks/activity) in May and June. Four staff members propose and coordinate the content of each mini-symposium. Filip Volckaert is responsible for the organisation; PhD students taking the course for credit register with [filip.volckaert@kuleuven.be](mailto:filip.volckaert@kuleuven.be) for access to the KU Leuven Toledo teaching platform. The course is open to all those interested.*