

# Arenberg Doctoral School - PhD course

## Frontiers in Evolutionary Biology (G0A00A)

### Four minisymposia

Hogenheuvelcollege, room HOGC 91.118 (access via entrance hall 00.130, off the library of the Faculty of Economics and Business), Naamsestraat 69, 3000 Leuven

#### Friday 29<sup>th</sup> May 2020: Mini-symposium on *Dynamics and evolution in and through microbial communities*

14:00 h: Karoline Faust (Laboratory of Molecular Bacteriology, KU Leuven, Leuven, B), *The entangled microbial bank - structure and dynamics of microbial communities*.

15:00 h: coffee break

15:30 h: Shinjini Mukherjee (Laboratory of Aquatic Ecology, Evolution and Conservation, KU Leuven, Leuven, B) and Ellen Decaestecker (Aquatic Biology, KU Leuven, Kortrijk, B), *Eco-evolutionary dynamics and the gut microbiome*.

16:30 h: drink

Coordinator: Ellen Decaestecker (@kuleuven.be)

#### Friday 5<sup>th</sup> June 2020: Mini-symposium on *Landscape genomics and adaptation*

14:00 h: Carl André (Department of Marine Sciences, Univ. Gothenburg, Gothenburg, Sweden), *Population genomics in marine fishes: Local adaptation, genomic architecture and hybrid zones*.

15:00 h: coffee break

15:30 h: Filip Volckaert (Laboratory of Biodiversity and Evolutionary Genomics, KU Leuven, Leuven, B), *The shared evolution of fish seascapes*.

16:30: drink

Coordinator: Filip Volckaert (@kuleuven.be)

#### Monday 15<sup>th</sup> June 2020: Mini-symposium on *Transgenerational plasticity, epigenetics and global change*

14:00 h: Dr. Lisa Shama (Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Isle of Sylt, Germany), *Non-genetic sources of phenotypic variation: transgenerational plasticity, bet hedging and epigenetic mechanisms in marine stickleback*.

15:00 h: coffee break

15:30 h: Prof. Jana Asselman (Campus Oostende Greenbridge, UGent, B), *Epigenetic mechanisms as drivers of environmental stress responses*.

16:30 h: drink

Coordinator: Robby Stoks (@kuleuven.be)

#### Friday 19<sup>th</sup> June 2020: Mini-symposium on *Adaptive radiations revisited*

14:00 h: Dr. Bert Van Bocxlaer (UMR 8198 – Evolution-Ecology-Paleontology, CNRS, Univ. Lille, Lille, France), *Darwin's nightmare continues: demographic collapse and potential speciation reversal in gastropods of the Lake Victoria ecoregion*.

15:00 h: coffee break

15.30 h: prof. Hannes Svoldal (SPHERE, Department of Biology, University of Antwerp, Antwerp, B), *Genomic insights into rapid adaptive diversification of Lake Malawi cichlid fishes*.

16:30 h: drink

Coordinator: Filip Volckaert (@kuleuven.be)

PhD students taking the course for credit register with [filip.volckaert@kuleuven.be](mailto:filip.volckaert@kuleuven.be) before 25 May 2020.