

EVENET Symposium 2016

- K keynote talk (25 + 5 min)
- R regular talk (12 + 3 min)
- F flash talk (5 min + optional poster)

Tuesday 20 December 2016

9:00 h Welcome by Dries Bonte

Session 1: Spatial Ecology & Evolution

9:10 h Tom Miller (K) - Rapid evolution of dispersal modifies the ecological dynamics of biological invasion

9:40 h Emanuel Fronhofer (K) - The eco-evolutionary dynamics of range expansions

10:10 h Jacob Staffan (R) - Local adaptation despite gene flow through habitat choice

10:25 h Filip Huyghe (R) - Genetic connectivity of the skunk clown fish in the Indian Ocean using different types of markers

10:40 h An Vanden Broeck (F) - Gene flow and effective population sizes of the Alcon blue butterfly *Maculinea alcon* in a highly fragmented, anthropogenic landscape

10:45 h Hanne Decort (F) - Intra- and interspecific genetic composition of a meta-community: The *Phengaris alcon* system

10:50 h Nicolas Schtickzelle (F) - Movement variation matters for predicting dispersal of *Tetrahymena* ciliates

10:55 h Coffee/tea break

Session 2: Evolution of/in metacommunities

11:25 h Jelena Pantel (K) - Intraspecific variation, environmental heterogeneity, and their influence on metapopulation dynamics in the freshwater snails of Guadeloupe

11:55 h David Angeler (K) - Resilience and evolution: oxymoron or partnership?

12:25 h Lynn Govaert (R) - The evolution of the G-matrix: an example of *Daphnia magna*

12:40 h Miguel Lurgi (R) - Modelling the eco-evolutionary dynamics of meta-communities

12:55 h Lunch break

Session 3: Evolutionary ecology of stress responses

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| 14:10 h | Caroline Isaksson (K) - Adaptation or acclimation to urban anthropogenic stressors: A case study of the great tit |
| 14:40 h | Caroline Nieberding (R) - A learnt behavioural response to climate change may produce maladaptation |
| 14:55 h | Lin Op de Beeck (R) - Thermal adaptation and lowered pesticide accumulation counteract the negative effects of multiple pesticide applications under global warming |
| 15:10 h | Nedim Tüzün (F) - Pathways to mating success differ between urban and rural damselflies |
| 15:15 h | Lizanne Janssens (F) - Rapid evolution of increased vulnerability to an insecticide at the expansion front in a poleward-moving damselfly |
| 15:20 h | Thanh Tam Tran (F) - Evolution determines how warming and pesticides modulate predator-prey interactions with vector mosquitoes |
| 15:25 h | Coffee/tea Break |

Session 1: Spatial Ecology & Evolution

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| 15:55 h | Pierre-Alexandre Gagnaire (K) - Reconstructing the evolutionary history underlying the genomic landscape of species divergence using haplotype-resolved genomes |
| 16:25 h | Oliver Katz (R) - Costs and consequences of dispersal evolution in a ciliate model system |
| 16:40 h | Stefano Masier (F) - Conditional dispersal in response to food shortage and predator cues in an arachnid |
| 16:45 h | Filip Volckaert (F) - Seascape genetics of a top predator, European sea bass |
| 16:50 h | Josefin Seftom (R) - A planktonic diatom displays genetic structure over small spatial scales |
| 17:05 h | Poster session |
| 19:00 h | Banquet |

Wednesday 21 December 2016

Symposium 5: On genomes

- 9:00 h De Wit (K) - Adaptation from standing genetic variation – the future of marine animals in a rapidly changing world?
- 9:30 h Dick Roelofs (K) - Coping with life in soil: comparative analysis of springtail genomes
- 10:00 h Till Czypionka (R) - Exploring the genetic underpinnings of diapause termination timing in *Daphnia magna* – an approach combining QTL mapping and candidate gene association studies in natural populations

Session 4: Host-microbiota eco-evolutionary dynamics

- 10:15 h Lutz Beckx (K) - Eco-evolutionary dynamics and patterns of parallel evolution of host and virus populations
- 10:45 h Emilie Macke (R) - Life history and eco-evolutionary dynamics in light of the gut microbiota
- 11:00 h Coffee/tea break
- 11:30 h Anna-Liisa Laine (K) - How is diversity maintained in pathogen populations?
- 12:00 h Aurélie Tamsiensi (R) - Phenotypic convergence and conservation of immune processes involved in the establishment of detoxifying symbiosis between coastal and hydrothermal annelid
- 12:15 h Eva Lievens (R) - Ecological and evolutionary factors drive the specialization of two microsporidian parasites of *Artemia*
- 12:30 h Willem Stock (F) - Diatom-bacteria interactions: from the field to the lab
- 12:35 h Lunch break

Session 2: Evolution of/in metacommunities

- 13:50 h Pedro-Perez Neto (K) - A conceptual and empirical framework for unifying trait ecology and community phylogenetics
- 14:20 h Mark Urban (K) - Eco-evolutionary resilience in the Anthropocene
- 14:50 h Hendrik Trekels (R) - Uncoupling habitat selection from species sorting in aquatic insect communities
- 15:05 h Adriana Alzate (R) - Effect of island size and dispersal on adaptation in a mainland-island system
- 15:20 h Rampal Etienne (R) - A dynamic model for phylogenetic community ecology: **CANCELLED**
- 15:20 h Laurens Kilsdonk (R) - Regime shifts in eco-evolutionary systems
- 15:35 h Jasmijn Hillaert (F) - The evolution of an optimal size distribution in food webs
- 15:40 h Coffee/tea break

Session 3: Evolutionary ecology of stress responses

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| 16:10 h | Victor Nilsson-Örtman (K) - Seasonality, acclimation and biotic interactions under climate change |
| 16:40 h | Alison Duncan (K) - Host-parasite coevolution in variable temperature environments |
| 17:10 h | Julie Verheyen (R) – Thermal evolution shapes the ability of damselfly larvae to deal with increases in both mean temperature and daily temperature fluctuations. |
| 17:25 h | Kristien Brans (R) - Urban Heat Islands: The evolution of thermal tolerance, life history, and physiological traits in response to urbanization in the water flea <i>Daphnia magna</i> |
| 17:40 | Tom Pinceel (F) - Aridity promotes bet hedging via delayed hatching in two temporary pond crustaceans along a latitudinal gradient |
| 17:55 h | Closing of the symposium |