



EVENET – An eco-evolutionary network of biotic interactions

Dispersal – connecting networks

Free symposium in Ghent

Ghent University, Campus Ledeganck, Sunday 10th December 2017, 9.00-16.00

Location: lecture room 6

Keynote (9.15-10.00)

Modern movement ecology: setting the scene – Luca Borger (Swansea University, UK)

Heterogeneity in dispersal (10.00-11.15)

10.00 *From the beginning til the end: Lifetime mobility of a common bird* - Elisabeth Arvidsson (Antwerp University)

10.15 *Effect of local dispersal on survival estimates in a disturbed environment: capture-recapture study designs matter* – Aurore Ponchon (Aberdeen University)

10.30 *Estimating heritability in the three phases of dispersal* – Erik Matthysen (Antwerp University)

10.45 *Metabolic dispersal syndromes and response to stress in spider mites* – Maxime Dahirel (Rennes University)

11.00 *Pre-dispersal conditions and presence of opposite sex modulate density dependence and sex bias of dispersal* - Abhishek Mishra (IISER Pune)

Dispersal theory (11.30-12.45)

11.30 *Modelling reproductive strategies during range expansion: rapid evolution of recombination rate at the expansion front* – Felix Moerman (University of Zurich & EAWAG)

11.45 *Softness of selection and the evolution of sex-biased dispersal* - Xiang-Yi Li (University Zurich)

12.00 *How does group dispersal influence genetic relatedness in an expanding population* – Steve Palmer (University Aberdeen)

12.15 *Eco-evolutionary dynamics of dispersal and mating system in a changing world* – Greta Bocedi (University Aberdeen)

12.30 *The effects of distinct dispersal Life-histories in population models*- Jacques Deere (University Amsterdam)

Experimental evolution (14.00-14.45)

14.00 *Spatio-temporal variation in local extinction affects dispersal evolution in experimental metapopulations of Paramecium* – Oliver Kaltz (CNRS Montpellier)

14.15 *Metapopulation dynamics and life history evolution in fragmented landscapes* – Stefano Masier (Ghent University)

14.30 *Evolution during population spread affects plant performance in stressful environments* - Nicky Lustenhouwer (ETH Zurich)

Patterns in nature (15.00-16.00)

15.00 *Landscape permeability predicts the distribution of a dispersal polymorphism during population expansion in a butterfly metapopulation* – Michelle Dileo (Helsinki University)

15.15 *Dispersal and spatial sorting of the beetle *Merizodus soledadinus* invading subantarctic islands* – David Renault (Rennes University)

15.30 *Outlook to the E²-move symposium: flashtalks of poster presentations*