

Thursday 11 February 2010

08:30 registration

09:20 welcome address

09:30 **Talks (UniMail Chemistry building G)**

09:30 **Invited speaker - Ian Baldwin**, Hoang Hoa Long, Dorothea G. Sonntag:
Eavesdropping on phytohormone signaling as path towards mutualisms: host plant ethylene production and perception structures the culturable root bacterial endophyte community of Nicotiana attenuata

10:15 **Paul Page**, Adrien Favre, Florian Schiestl, Alex Widmer, Sophie Karrenberg:
The role of floral traits in the nursery pollination of Silene by Hadenia bicurris

10:30 **Anne Burkhardt**, Benjamin J. Ridenhour, Lynda F. Delph, Giorgina Bernasconi:
The contribution of seed predation to selection on sexually dimorphic traits in a dioecious plant

10:45 coffee break (UniMail main building F, first floor)

11:15 **Talks (UniMail Chemistry building G)**

11:15 **Sarah Kenyon**, Betty Benrey:
Hide and seek! The roles of plants and hidden insect hosts in determining the distribution of parasitoids

11:30 **Romain Libbrecht**, Laurent Keller:
Don't forget the King: Males also influence caste allocation and sex ratio in ants

11:45 **Christophe Lucas**, Laurent Keller, Marla B. Sokolowski:
Molecular basis of foraging and defense behaviors in the ant Pheidole pallidula

12:00 **Miguel dos Santos**, João Rodrigues, Daniel Rankin:
Human communication and the scale of competition

12:15 **Flore Mas**, Mathias Kölliker:
Caring or not, the effect of offspring signals on maternal care regulation in the European earwig

12:30 **Charlène-Aurore Ruppli**, Bettina Almasi, Amélie N. Dreiss, Lukas Jenni, A. Roulin:
Corticosterone induces nestlings to switch from vocal signalling to physical competing in the barn owl (Tyto alba)

12:45 lunch break (Cité Universitaire)

14:15 **Talks (UniMail Chemistry building G)**

14:15 **Invited speaker - Avraham A. Levy**:
Speciation via hybridization and polyploidization - A molecular view of the opportunities and challenges

15:00 **Nils Arrigo**, Christian Parisod, Roberto Guadagnuolo, François Felber:
Hybridization in the Triticum-Aegilops complex

15:15 **Natacha Senerchia**, Nils Arrigo, Roberto Guadagnuolo, Christian Parisod, F. Felber:
Ecological consequences of introgression of transgenic wheat in a wild relative, Aegilops cylindrica, an open field experiment

Thursday 11 February 2010, continued

15:30 Posters and coffee break (UniMail main building F, first floor)

16:30 Talks (UniMail Chemistry building G)

16:30 **Alexandre Antonelli**, Aelys Humphreys, William G. Lee, H. Peter Linder:
Ghosts from the past – On plant adaptations to extinct faunas

16:45 **Blaise Petitpierre**, Christoph Kueffer, Olivier Broennimann, Curt Daehler, A. Guisan:
Large-scale test of species niche shifts during biological invasions

17:00 **Yann Hautier**, Pascal A. Niklaus, Andy Hector:
Competition for light as a mechanism of plant biodiversity loss following eutrophication

17:15 **Anne Kempel**, Thomas Chrobock, Markus Fischer, Mark van Kleunen:
Experimental plant introduction: disentangling the roles of propagule pressure, soil disturbance and life-history traits

17:30 break

18:15 Darwin Party (Cité Universitaire)

18:15 Aperitif

19:00 Dinner and Darwin talk by **Nick Colegrave**:
Limits to adaptation: What can microbes in test-tubes tell us?

Friday 12 February 2010

09:15 Talks (UniMail Chemistry building G)

09:15 **Invited speaker - Gonzalo Giribet**:
An integrative approach to the study of metazoan systematics: Assembling the tree

10:00 **Patrik Mráz**, Barbora Šingliarová:
*Biosystematic study of the diploid-polyploid *Pilosella alpicola* (Asteraceae) complex with variable breeding systems: patterns and processes*

10:15 **Kay Lucek**, Etienne Bezault, Denis Roy, Arjun Sivasundar, Ole Seehausen:
The phylogeography of a successful invasion: Three-spined sticklebacks in Switzerland

10:30 **Eveline Kindler**, Raphaël Arlettaz, Gerald Heckel:
*To be or not to be a species: historical separation and contemporary gene flow in the grasshopper *Oedaleus decorus**

10:45 **Benjamin M. Peter**, Laurent Excoffier:
Distinguishing between population bottleneck and population subdivision using a Bayesian model choice procedure

11:00 **Tamara Hofer**:
Islands of natural selection in the human genome

11:15 coffee break (UniMail main building F, first floor)

Friday 12 February 2010, continued**11:45 Talks (UniMail Chemistry building G)**

- 11:45 **Andreas Gschwind**, Gerald Heckel:
Mating of common voles versus the monogamy gene avpr1a
- 12:00 **Mélissa Lemoine**, Blandine Doligez, Heinz Richner:
Host-parasite interactions between a generalist parasite and its main and alternative hosts: a cross-species infestation experiment
- 12:15 **Godefroy Devevey**, Luciana Richer, R. S. Ostfeld, M. J. C. Gomes-Solecki, D. R. Brisson:
Experimental test of a reservoir-targeting vaccine in order to reduce the tick infection prevalence by the Lyme disease agent
- 12:30 **Pepijn Luijckx**, Harris Feinberg, David Duneau, Dieter Ebert:
Resistance of Daphnia magna to a bacterial pathogen is based on few loci with strong epistasis

12:45 lunch break (Cité Universitaire)**14:15 Talks (UniMail Chemistry building G)**

- 14:15 **Sorcha E. Mc Ginty**, Daniel J. Rankin, Sam P. Brown:
Horizontal gene transfer and the evolution of bacterial cooperation
- 14:30 **Valentina Rossetti**, Manuela Filippini, Miroslav Svercel, Homayoun C. Bagheri:
Life history traits can produce a length cycle in multicellular filamentous bacteria
- 14:45 **Martin. A. Schäfer**, David Berger, Stephanie S. Bauerfeind, Wolf U. Blanckenhorn:
Latitudinal variation and temperature-dependent plasticity of a polymorphic sperm storage organ

15:00 Posters and coffee break (UniMail main building F, first floor)**16:00 Talks (UniMail Chemistry building G)**

- 16:00 **Sébastien Nusslé**, Christophe Bornand, Patrick Presi, Tadeusz Kawecki, C. Wedekind:
Past and future fishery-induced evolution on growth in an Alpine whitefish
- 16:15 **Dik Heg**, Susan Rothenberger, Roger Schürch:
Habitat saturation, benefits of philopatry, relatedness and cooperative breeding in a cichlid
- 16:30 **Peter H. W. Biedermann**, Michael Taborsky:
Direct and indirect fitness benefits of philopatry and cooperative care in Xyleborina (Curculionidae: Scolytinae)

16:45 Award ceremony and end of conference