

PhD Students at the Department of Aquatic Ecology have the pleasure to invite you to the

6th ECO PhD Symposium

Friday, 23 June 2017

08.30 - 17.00

Eawag Dübendorf, Forum Chriesbach C20

Invited speakers :

Dr. Marcel Holyoak, UC Davis, USA

Dr. Tanja Schwander, University of Lausanne, Switzerland

08.30 Coffee/Gipfeli

08.50 Christoph Vorburger: Opening address

Chair: Chelsea Little

09.00 Marcel Holyoak: Investigating the functional metacommunity dynamics of island bird assemblages across seasons

10.00 Lynn Govaert: An evolving genetic variance-covariance matrix of a *D. magna* population

10.20 Teo Cereghetti: Natural selection on immune defence: a genome-wide gene expression analysis

10.40 Coffee break

Chair: Roman Alther

11.10 Elvira Mächler: Shedding light upon degradation of environmental DNA

11.30 Heidi Käch: The cost of protection provided by *Hamiltonella defensa* to its aphid host

11.50 Moritz Lürig: The effects of macrophytes on stability of aquatic ecosystems

12.10 Natalia Zajac: Genomic signature of adaptation of a parasite to its host

12.30 Lunch

Chair: Heidi Käch

14.00 Tanja Schwander: Causes and consequences of asexual reproduction in animals

15.00 Chelsea Little: Non-native freshwater macroinvertebrates have density- and resource-dependent effects on ecosystem functioning

15.20 Corinne Hertäg: Microscopic partners alter a complex functional trait: Aphid cuticular hydrocarbons are influenced by bacterial endosymbionts

15.40 Coffee Break

Chair: Moritz Lürig

16.10 Pierre Chanut: Disentangling the effects of floodplain hydrology and predation on a macroinvertebrate community assembly: a field experiment

16.30 Natalie Sieber: Parasite detection and monitoring with eDNA

16.50 Roman Alther: River network structure shapes communities of native and non-native amphipods

17.15 End: BBQ, Games, Music, Fun