



Seewiesen Colloquia

Speaker invited by Research Group Dingemans:

Tuesday, 05 July , 2016, 13:00 h, in House 4, Lecture Room

Quantitative genetics in the wild, where are we now?

Benoit PUJOL

CNRS, Evolution and Biological Diversity Lab

Do natural populations have the ability to adapt ? I will present quantitative genetic results and novel research tracks that seek to understand how the genetic background and environmental heterogeneity shape the evolutionary potential of natural populations. I will highlight what ecological and evolutionary mechanisms limit or improve population potential to respond to selection and the potential role played by non genetic inheritance in this matter.

Who is Benoit Pujol?

- 2004 PhD University of Montpellier, France
- 2004 Temporary Lectureship University of Montpellier, France
- 2005 NERC postdoctoral fellowship Oxford University, UK
- 2008 Temporary Lectureship University of Toulouse, France
- 2009 CNRS Permanent researcher, Toulouse, France

Selected publications:

- Pujol B., P. Marrot & J.R. Pannell. 2014. A quantitative genetic signature of senescence in a short lived perennial plant. **Current Biology** 24:744-747
- Danchin E., A. Charmantier, F.A. Champagne, A. Mesoudi, B. Pujol & S. Blanchet. 2011. Beyond DNA : integrating inclusive inheritance into an extended theory of evolution. **Nature Reviews Genetics** 12:475-486.
- Pujol B., S.-R. Zhou, J. Sanchez Vilas & J.R. Pannell. 2009. Reduced inbreeding depression after species range expansion. **Proceedings of the National Academy of Sciences of the USA** 36:15379-15383
- Pujol B. & J.R. Pannell. 2008. Reduced responses to selection after species range expansion. **Science** 321:96.