

## **JULIEN F. AYROLES**

Dept. of Organismic & Evolutionary Biology, **Harvard University**

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### **EDUCATION:**

**Ph.D. student, Genetics**, 2010, North Carolina State Univ;

**Master of Sciences in Natural Resources and Environmental Sciences**, 2005, Univ of Illinois;

**B.S., Organismal and Population Biology with honors**, 2002, Univ of Paul Sabatier, France;

**General degree in Biological Sciences (DEUG) with honors**, 2001, Univ of Paul Sabatier.

### **PUBLICATIONS (selection)**

Mackay TFC\*, Richards S\*, Barbadilla A \*, **Ayroles JF**, Zhu D, Sònia Casillas. et. al. (2012) The *Drosophila* Genetics Reference Panel: A Community Resource for Analysis of Population Genomics and Quantitative Traits. *Nature* (in Press).

Edwards, A, **Ayroles JF**, Stone EA, Mackay TFC. (2009) A transcriptional network associated with natural variation in *Drosophila* aggressive behavior. *Genome Biology* 10(7): R76.

Harbison ST, Carbone MA, **Ayroles JF**, Stone EA, Lyman RF, Mackay TFC (2009) Co--Regulated Transcriptional Networks Contribute to Natural Genetic Variation in *Drosophila* Sleep. *Nature Genetics* 41(3): 371---375.

**Ayroles JF**, Hughes KA, Reedy MM, Rodriguez--Zas SL, Drnevich JM, Rowe KC, Cáceres CE, Paige KN (2009) Genome--wide assessment of inbreeding depression in *Drosophila melanogaster*. *Conservation Biology* 23(4): 920--930.

### **TEACHING EXPERIENCE:**

2007 "Principles of Genetics." Under Dr Ted Emigh. Discussion section for undergraduate class, North Carolina. State Univ.;

2005 "The evolution of adaptive." Under Dr Thomas Frazetta. Discussion section for graduate and undergraduate class. *Univ of Illinois*;

2007 Teaching Assistant, Principles of Genetics "Genes and Behavior."

### **PROFESSIONAL SERVICE AND OUTREACH:**

2011 - Insect Planet, Harvard Museum of Natural History annual outreach Coordinator, Museum of Comparative Zoology Seminar Series;

2010 Great Insect fair, Pennsylvania annual outreach program

### **Invited Talks and lectures**

2011 Cold Spring Harbor Biology of Genomes meeting. Genotype to phenotype mapping in the DGRP 2011 Harvard MCZ seminar series. Genotype to phenotype mapping in the DGRP

2011 *Penn State University*. From system genetics to Biology.

2008 *Cornell University*. A systems approach to genetic dissection of complex traits.

2007 Annual Indiana University Animal Behavior Conference. Functional genomics of speciation in *Drosophila yakuba* and *Drosophila santomea*.