



Austrian-American Educational Commission

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CV and Intercountry Lectureship Questionnaire

Name: Bryant McAllister

Grant Period: 1 October 2011 – 31 January 2012

U.S. Institution: University of Iowa

Austrian Host Institution: Vetmeduni Vienna

e-mail address: bryant-mcallister@uiowa.edu

Academic Discipline: Evolutionary Biology

Areas of Research: Evolutionary Genetics, Genome Evolution, Sex Chromosome Evolution, Chromosomal Evolution

Possible Lecture Topics: Evolution of Sex Chromosomes, Adaptation and Chromosomal Rearrangement

Lecturing in the following languages: English

Academic Training and Degrees:

Ph.D. (Biology) 1997. University of Rochester, Rochester, New York.

Dissertation: Structure and Evolution of the Paternal Sex Ratio (PSR) Chromosome. Adviser: John H. Werren

M.S. (Genetics) 1992. Texas A & M University, College Station, Texas.

Thesis: Chromosomal Fragile Sites in Deer Mice: Distribution, Variation, and Potential Role in Chromosomal Evolution. Adviser: Ira F. Greenbaum

B.S. (Zoology) 1989. Texas A & M University, College Station, Texas.

Previous Positions:

07/08-pres, Associate Professor, Department of Biology, University of Iowa

8/02-6/08, Assistant Professor, Department of Biological Sciences, University of Iowa

9/98-7/02, Assistant Professor, Department of Biology, University of Texas at Arlington

9/97-8/98, NSF/Sloan Postdoctoral Research Fellow, Institute for Cell, Animal and Population Biology, University of Edinburgh

10/96-8/97, NSF/Sloan Postdoctoral Research Fellow, Department of Ecology and Evolution, University of Chicago

Publications (selected):

Otto S. P., J. R. Pannell, C. L. Peichel, T.-L. Ashman, D. Charlesworth, A. K. Chippindale, L. F. Delph, R. F. Guerrero, S. V. Scarpino, and B. F. McAllister (2011) About PAR: The distinct evolutionary dynamics of the Pseudoautosomal Region. *Trends in Genetics*, In Press.

Wittkopp, P. J., G. Smith-Winberry, L. L. Arnold, E. M. Thompson, A. M. Cooley, D. Yuan, Q. Song, and B. F. McAllister (2011) Local adaptation for body color in *Drosophila americana*. *Heredity* 106:592-602.

Sheeley, S. L., and B. F. McAllister (2009) Mobile male-killer: similar *Wolbachia* strains kill males of divergent *Drosophila* hosts. *Heredity*, 102:286-292.

McAllister, B. F., S. L. Sheeley, P. A. Mena, A. L. Evans, and C. Schlötterer (2008) Clinal distribution of a chromosomal rearrangement: a precursor to chromosomal speciation? *Evolution* 62:1852-1865.

Flores, S. V., A. L. Evans and B. F. McAllister (2008) Independent origins of new sex-linked chromosomes in the *melanica* and *robusta* species groups of *Drosophila*. *BMC Evolutionary Biology* 8:33 (17 pp.).

Evans, A. L., P. A. Mena and B. F. McAllister (2007) Positive selection near an inversion breakpoint on the neo-X chromosome of *Drosophila americana*. *Genetics* 177:1303-1319.

McAllister, B. F., and A. L. Evans (2006) Increased nucleotide diversity with transient Y linkage in *Drosophila americana*. *PLoS One* 1:e112 (13 pp).