

Curriculum Vitae  
MICHAEL A. WHITE

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University of Wisconsin-Madison  
Laboratory of Genetics  
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EDUCATION

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- PhD Genetics, University of Wisconsin–Madison, Madison, WI (In Progress).  
Advisor: Dr. Bret Payseur
- MS Entomology, Washington State University, Pullman, WA (2004).  
Thesis: Cloning and characterization of the *Copidosoma floridanum hedgehog* gene  
Advisor: Dr. Laura S. Corley
- BS Biology, Ecology Emphasis, Western Washington University, Bellingham, WA (2002).

PROFESSIONAL EXPERIENCE

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- 2006- **Research Assistant**, University of Wisconsin, WI. Investigating the genetics of reproductive isolation among house mice. Mentor: Dr. Bret Payseur
- 2004-2006 **Research Assistant**, University of Wisconsin, WI. Investigated levels of *LFY* expression in *Arabidopsis* plants transformed with *LFY* from other species using quantitative PCR. Mentor: Dr. David Baum
- 2005 **Summer Course**: Frontiers and Techniques in Plant Science, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY
- 2002-2004 **Research Assistant**, Washington State University, WA  
Investigating the regulation of cellular proliferation in the polyembryonic wasp: *Copidosoma floridanum* (Hymenoptera: Encyrtidae) using the candidate gene approach
- 2003 **Summer Course**: Evolution and Development of the Metazoans, Friday Harbor Marine Laboratories, University of Washington, WA  
Investigated whether *vasa* was present within Molluscs. Is there a common mechanism for germ line determination among the Molluscs?
- 2002 **Research Assistant**, Western Washington University, WA. Assayed genetic variation among *Tumidagena minuta* (Hemiptera: Delphacidae) populations with allozymes
- 2001-2002 **Research Assistant**, Washington State University Cooperative Extension, WA. Investigated the population dynamics of spider and predatory mites in response to BT applications in raspberry fields
- 2001-2002 **Research Assistant**, Western Washington University, WA. Fecundity analysis of two hybridizing beetle species: *Chrysochus auratus* and *Chrysochus colbatinus* (Coleoptera: Chrysomelidae) Mentor: Dr. Merrill Peterson
- 2001 **Summer research as an undergraduate**, Western Washington University, WA. Investigated the mating preferences of *Chrysochus auratus* and *Chrysochus colbatinus* Mentor: Dr. Merrill Peterson

## AWARDS & HONORS

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- 2008-2004-2006 Computation and Informatics in Biology and Medicine Traineeship  
NIH Predoctoral Training Grant
- 2004 NSF & The Entomological Society of America. Travel grant for the XXII International Congress of Entomology, Brisbane, Australia.
- 2003 WSU H.S. Telford Scholarship
- 2002 WSU Robert and Mary Lou Harwood Fellowship
- 2002 WSU, College of Agriculture & Home Economics Century II Fellowship

## PUBLICATIONS

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- Sliwinski, M.K., White, M.A., Maizel, A., Weigel, D., and Baum, D.A. 2006. Evolutionary divergence of *LFY* function in the mustards *Arabidopsis thaliana* and *Leavenworthia crassa*. *Plant Mol. Biol.* 62: 279-289.
- Corley, L.S., White, M.A., and Strand, M.R. 2005. Both endogenous and environmental factors affect embryo proliferation in the polyembryonic wasp *Copidosoma floridanum*. *Evolution & Development.* 7: 115-121.
- Peterson, M.A., Honchak, B.M., Locke, S.E., Beeman, T.E., Mendoza, J., Green, J., Buckingham, K.J., White, M.A., and Mosen, K.J. 2005. Relative abundance and the species-specific reinforcement of male mating preference in the *Chrysochus* (Coleoptera: Chrysomelidae) hybrid zone. *Evolution.* 59: 2639-2655.

## INVITED PRESENTATIONS

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- White, M.A. and L.S. Corley. 2004. The role of the *hedgehog* pathway in polyembryonic development. XXII International Congress of Entomology, in the symposium "Understanding microevolution & development in the arthropods." Brisbane, Australia, Aug 15 – Aug 21.
- White, M.A. and L.S. Corley. 2004. Cloning and characterization of the *Copidosoma floridanum hedgehog* gene. Pacific Branch Entomological Society of America annual meeting in the graduate student symposium. Bozeman, MT, Jun 20 – Jun 23.

## PRESENTATIONS

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- White, M.A. and B.A. Payseur. 2007. Genetics of speciation in house mice. Department of Genetics summer colloquium, University of Wisconsin.
- White, M.A. and L.S. Corley. 2004. The role of the *hedgehog* pathway in polyembryonic development. Entomological Society of America, Salt Lake City, UT, Nov 14 – Nov 17.
- White, M.A. and L.S. Corley. 2004. Cloning and characterization of the *Copidosoma floridanum hedgehog* gene. Dept of Entomology, Washington State University.
- White, M.A. and L.S. Corley. 2004. Proliferation and differentiation in a polyembryonic parasitoid wasp. Center for Reproductive Biology, Washington State University.

## POSTER PRESENTATIONS

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- White, M.A., Ané, C., Dewey, C., Larget, B., Baum, D.A., and B.A. Payseur. 2007. Discordance among gene trees in the mouse genome. Society for Molecular Biology and Evolution., Halifax, Nova Scotia, Jun 24 – Jun 28.
- White, M.A. and L.S. Corley. 2004. Regulation of cellular proliferation during polyembryony in *Copidosoma floridanum*. Society for Integrative and Comparative Biology, New Orleans, LA, Jan. 5 – Jan. 9.
- White, M.A. and L.S. Corley. 2003. Regulation of cellular proliferation during polyembryony in *Copidosoma floridanum*. Entomological Society of America, Cincinnati, OH, Oct. 26 – Oct. 29.

## TEACHING

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| 2007 | Biocore 301: Evolution, Ecology, and Genetics, 2 discussion sections                          |
| 2007 | Biocore 333: Biological Interactions, Discussion of primary literature: 2 discussion sections |
| 2006 | Biology 151: Introductory Biology: 3 Laboratory sections                                      |
| 2005 | Genetics 466: General Genetics. 2 Discussion sections.  |

## UNIVERSITY & DEPARTMENT SERVICE

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| 2006-2007 | Evolution Coordinating Committee Member  |
| 2006-2007 | Evolution Seminar Series, Committee Chair, University of Wisconsin, Madison  |
| 2005-2006 | Evolution Seminar Series, Committee Member, University of Wisconsin, Madison                                       |
| 2003-2004 | Entomology Club Faculty Representative, Washington State University  |
| 2002      | Assisted in Organizing the Initiative for Organismal Interaction First Annual Retreat, Washington State University |