

David R. Angelini

CURRICULUM VITAE – UPDATED 13 FEBRUARY 2009

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Experience & Education

- 2008-present **American University**
Assistant Professor, Department of Biology
- 2005-2008 **University of Connecticut (UConn)**
NIH Ruth Kirschstein NRSA Postdoctoral Fellow
Advisor: Elizabeth L. Jockusch
- 2000-05 **Indiana University (IU), Ph.D.**
NIH Graduate Genetics Trainee, NSF IGERT Predoctoral Fellow
Molecular, Cell, and Developmental Biology Ph.D. program
Degree major: development; Degree minors: genetics, evolutionary biology
Advisor: Thomas C. Kaufman
- Fall 1999 **University of California, Irvine**
NIH Graduate Genetics Trainee
Molecular Biology, Genetics & Biochemistry Ph.D. program
Transferred to IU after Fall 1999
- 1995-99 **St. Mary's College of Maryland (SMC), B.A.**

Teaching Experience

- BIO110 General Biology (Fall '08, 26 students; Spring '09, 28 students)
BIO583 Molecular Biology (Fall '08, 33 students)
BIO596 Developmental Concepts in Evolution (Spring '09, 13 students)

Pedagogical Training

- Fall 2004 Assistant instructor, IU, L112 Biological Mechanisms (190 students)
Spring 2002 Attended course "Alternative Methods for Teaching Undergraduate Biology"
Spring 1999 Teaching Assistant, SMC, Developmental Biology (19 students with lab)
Fall 1997 Teaching Assistant, SMC, Principles of Biology I Lab (25 students)

Fellowships and Honors

- 2005-08 NIH NRSA Ruth Kirschstein Postdoctoral Fellowship, UConn
2003-04 NSF IGERT Evolution, Development and Genomics Fellowship, IU
1999-03 NIH Genetics Training Grant, IU
May 1999 *Magna cum laude*, SMC
1998 Summer Research Fellowship, SMC
1997-99 *Beta Beta Beta* Biological Honor Society, SMC Chapter President (1998-99)

External Funding

- 2006-08 USDA Genomics of Agriculturally Important Organisms Seed Grant, written in collaboration with Elizabeth Jockusch (\$100,000)
- 2005-08 NIH NRSA Ruth Kirschstein Postdoctoral Fellowship (\$136,840)

Publications

- Angelini, D. R., Kikuchi, M., and Jockusch, E. L. (2009.) Genetic patterning in the adult capitata antenna of the beetle *Tribolium castaneum*. *Developmental Biology*, **327**: 240-251. doi:10.1016/j.ydbio.2008.10.047
- Angelini, D. R., and Jockusch, E. L. (2008.) Relationships among pest flour beetles of the genus *Tribolium* (Tenebrionidae) inferred from multiple molecular markers. *Molecular Phylogenetics & Evolution*, **46**(1): 127-141. doi:10.1016/j.ympev.2007.08.017
- Angelini, D. R., and Kaufman, T. C. (2005c.) Comparative developmental genetics and the evolution of arthropod body plans. *Annual Review of Genetics*, **39**: 95-119. doi:10.1146/annurev.genet.39.073003.112310
- Angelini, D. R., Liu, P. Z., Hughes, C. L., and Kaufman, T. C. (2005.) Hox gene function and interaction in the milkweed bug *Oncopeltus fasciatus* (Hemiptera). *Developmental Biology*, **287**(2): 440-455. doi:10.1016/j.ydbio.2005.08.010
- Angelini, D. R., and Kaufman, T. C. (2005b.) Insect appendages and comparative ontogenetics. *Developmental Biology* **286**(1): 57-77. doi:10.1016/j.ydbio.2005.07.006
- Angelini, D. R., and Kaufman, T. C. (2005a.) Functional analyses in the milkweed bug *Oncopeltus fasciatus* (Hemiptera) support a role for Wnt signaling in body segmentation but not appendage development. *Developmental Biology*, **283**(2): 409-423. doi:10.1016/j.ydbio.2005.04.034
- Angelini, D.R., and Kaufman, T. C. (2004.) Functional analysis of appendage-patterning genes in the hemipteran, *Oncopeltus fasciatus*, reveals conserved and derived aspects of limb patterning in insects. *Developmental Biology*, **271**(2): 306-321. doi:10.1016/j.ydbio.2004.04.005

Invited Seminars

- Feb. 2008 Connecticut Entomology Society
- May 2007 Yale University, Department of Geology & Geophysics, student-organized symposium
- Feb. 2007 University of Colorado, Boulder, Department of Ecology & Evolutionary Biology
- Sept. 2005 University of Connecticut, Department of Ecology & Evolutionary Biology
- April 2005 Northeast Regional Society for Developmental Biology Meeting – Woods Hole, MA

Platform Presentations

- June 2006 SSE /SSB/ASN Evolution Meeting – Stony Brook, NY
- April 2006 Northeast Regional Society for Developmental Biology Meeting – Woods Hole, MA
- Jan. 2006 Society for Integrative & Comparative Biology National Meeting – Orlando, FL
- April 2005 Northeast Regional Society for Developmental Biology Meeting – Woods Hole, MA
- Oct. 2003 Developmental Basis of Evolutionary Change (DBEC III) – Chicago, IL
- Oct. 2003 Midwest Regional *Drosophila* Research Conference – Allerton Park, IL
- Sept. 2002 NASA CASSLS Workshop: Understanding Mechanisms of Evolution – Woods Hole, MA

Poster Presentations

June 2007	First Pan-American Congress in Developmental Biology – Cancun, Mexico
Oct 2006	NSF IGERT Minisymposium: Origin of Novel Features – Bloomington, IN
March 2004	NSF IGERT Minisymposium: Evolution of Gene Regulation – Eugene, OR
March 2003	<i>Drosophila</i> Research Conference – Chicago, IL
Sept. 2002	NSF IGERT Minisymposium: Microevolution of Development – Bloomington, IN
July 2002	Society for Developmental Biology National Meeting – Madison, WI
April 2002	<i>Drosophila</i> Research Conference – San Diego, CA
Oct. 2001	Developmental Basis of Evolutionary Change (DBEC II) – Chicago, IL
Oct. 2001	NSF IGERT Minisymposium: Evolution of Genetic Networks – Eugene, OR
July 1999	Society for Developmental Biology National Meeting – Boulder, CO

Service

Peer Review	<i>Biology Letters</i> ('08); <i>J. Molecular Evolution</i> ('06, twice); <i>Mech. of Development</i> ('04, '05)
Nov-Dec '08	Volunteer, <i>ad hoc</i> departmental committee: capital grant for molecular core facility
Fall '08-present	Volunteer, departmental committee on department and program assessments
Fall '08-present	Member, departmental committee on graduate affairs
Fall '08-present	Biology department liaison to the University Library
June 2007	Guest speaker, UConn Early College Experience Annual Development Workshop
June 2006	Session moderator, Development & Evolution section, SSE Evolution Meeting
2005-08	Organizer, Interdepartmental Evo-Devo Discussion Group, UConn
May 2004	Field assistant for BBC documentary "Life in the Undergrowth" on cicadas
Spring 2004	Graduate student member of the new faculty search committee, IU
May 2003	Hosted visiting speaker Sean Carroll, IU
2001, '02	Graduate student recruitment committee, IU
Fall 2001, '03	Organizer, "Evolution, Development and Genomics" lecture series, IU

Workshops Attended

Jan. 2009	Anne Ferran Teaching Conference
Nov. 2008	NSF grant proposal-writing workshop by Ralph Pollack
Oct. 2008	Grant proposal-writing workshop by Ralph Pollack

Society Affiliations

- American Association for the Advancement of Science
- Genetics Society of America
- Society for Developmental Biology
- Society for Integrative & Comparative Biology
- Connecticut Entomological Society