

Annalise B. Paaby

Department of Biology
Center for Genomics and Systems Biology
New York University
New York, NY 10003-6688

Phone: (212) 992-7541
Fax: (212) 995-4015
Email: apaaby@nyu.edu
Web: thinkevolution.net/annalise-b-paaby

Current Position

2009 - Post-doctoral Researcher
New York University
Matthew V. Rockman, Advisor

Education

2003 - 2009 University of Pennsylvania
Ph.D. in Biology
Paul S. Schmidt, Advisor

1996 - 2000 Swarthmore College
B.A. in Biology

Previous Research Positions

2006 - 2007 Research Assistant, University of Pennsylvania, Department of Biology
Paul S. Schmidt, Principal Investigator

2002 - 2003 Research Technician, University of Pennsylvania, Department of Biology
Paul S. Schmidt, Principal Investigator

2000 - 2002 Research Technician, University of Pennsylvania, Dept of Cell and Developmental Biology
Stephen DiNardo, Principal Investigator

Teaching Experience

2007 - 2009 Guest Lecturer, University of Pennsylvania (Evolutionary Biology)

2003 - 2008 Teaching Assistant, University of Pennsylvania (Human Biology and Reproduction,
Introductory Biology, Advanced Introductory Biology, Statistics for Biologists,
Evolutionary Biology)

2004 - 2005 Tutor, University of Pennsylvania (Statistics for Biologists)

1999 - 2000 Tutor, Swarthmore College (Introductory Biology)

Awards

2009 Ruth L. Kirschstein National Research Service Award Post-doctoral Fellowship, NIH

2008 SAS Dissertation Completion Fellowship, University of Pennsylvania

2006 Binns-Williams Scholarship, University of Pennsylvania

2006 Graduate and Professional Student Association Travel Grant, University of Pennsylvania

2005 Binns-Williams Scholarship, University of Pennsylvania

2004 Scholarship for Research in the Biology of Aging, Glenn Foundation/AFAR

Presentations

2009	American Genetic Association Annual Symposium, Providence, RI
2008	49th Annual <i>Drosophila</i> Research Conference, San Diego, CA (talk)
2007	XVII New England Molecular Evolutionary Biologists Meeting, New York, NY (talk)
2007	XI Congress of the European Society for Evolutionary Biology, Uppsala, Sweden
2007	48th Annual <i>Drosophila</i> Research Conference, Philadelphia, PA
2007	Gordon Conference on Quantitative Genetics and Genomics, Ventura, CA
2006	47th Annual <i>Drosophila</i> Research Conference, Houston, TX
2005	GSA/American Federation for Aging Research Conference, Orlando, FL
2001	42nd Annual <i>Drosophila</i> Research Conference, Washington, DC

Service / Outreach

Public outreach:

Authors the site thinkevolution.net, which promotes discussion and understanding of evolution

Recurring guest scientist on Cogito.org, a forum that provides science discussion and education to young people, administered by the Johns Hopkins CTY program

Membership in advocacy organizations:

National Center for Science Education
Scientists and Engineers for America

Participation in interdisciplinary forums:

University of Pennsylvania's Institute on Aging
American Federation for Aging Research

Leadership activities:

Discussion group member and advocate for the Public Library of Science (2009 - present)

Organized a UPenn departmental lecture series (2004)

Co-trained nine undergraduate and high school students in the Schmidt lab (2002 - 2009)

Co-organized the UPenn Biology Department Retreat (2006 - 2008)

Professional Activities

Journal Referee: *Genetical Research, Molecular Ecology*

Memberships: Genetics Society of America
Society for the Study of Evolution

Collaborators

Marc Tatar, Brown University

David Rand, Brown University

Ary Hoffmann, University of Melbourne

Mark Blackett, University of Melbourne

Thomas Flatt, Institute for Population Genetics, Veterinary Medical University, Vienna, Austria

Publications

- Paaby, A.B., C.S. Smukowski and P.S. Schmidt. *In Preparation*. Epistatic interactions in stress tolerance and reproductive quiescence for the *Drosophila* diapause gene *couch potato*.
- Paaby, A.B., E.L. Behrman and P.S. Schmidt. *In Preparation*. Characterization of an adaptive polymorphism in the *Drosophila* insulin receptor.
- Paaby, A.B., M.J. Blackett, A.A. Hoffmann and P.S. Schmidt. *In Press*. Identification of a candidate adaptive polymorphism for *Drosophila* life history by parallel independent clines on two continents. *Molecular Ecology*.
- Paaby, A.B. and P.S. Schmidt. 2009. Dissecting the genetics of longevity in *Drosophila melanogaster*. *Fly* 3(1): 29-38.*
- Schmidt, P.S. and A.B. Paaby. 2008. Reproductive diapause and life history clines in North American populations of *Drosophila melanogaster*. *Evolution* 62(5): 1204-1215.
- Paaby, A.B. and P.S. Schmidt. 2008. Functional significance of allelic variation at *methuselah*, an aging gene in *Drosophila*. *PLoS ONE* 3(4): e1987.**
- Schmidt, P.S., A.B. Paaby and M.S. Heschel. 2005. Genetic variance for diapause expression and associated life histories in *Drosophila melanogaster*. *Evolution* 59(12): 2616-2625.
- Walters, J.P., C.X. Muñoz, A.B. Paaby and S. DiNardo. 2005. Serrate-Notch signaling defines the scope of the initial denticle field by modulating EGFR activation. *Developmental Biology* 286: 415-426.

* Invited Review

** Cited as a Faculty of 1000 "Must Read"