

Thomas L. Turner
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Department of Ecology, Evolution, and Marine Biology
University of California, Santa Barbara

Professional Preparation

Texas A&M University, Galveston	Marine Biology	B.S., 2002
University of California, Davis	Population Biology	Ph.D., 2008
University of Southern California	Mol. & Computational Bio.	2007-2009
Gregor Mendel Institute, Vienna	Mol. & Computational Bio.	2009

Appointments

2009-present: **Assistant Professor**, Ecology, Evolution, and Marine Biology,
University of California, Santa Barbara

2003-2005: **Teaching Assistant**, University of California, Davis

2003: **Teaching Assistant**, Texas A&M University, Galveston

2002: **Biological Sciences Technician**, National Oceanographic and
Atmospheric Administration, National Marine Fisheries Service,
Galveston, Texas

2000-2002: **Artificial Reef Technician**, Texas Parks and Wildlife Artificial Reef
Program, Nassau Bay, Texas

2000: **Laboratory Technician**, Membrane Protein Laboratory, University
of Texas Medical Branch, Galveston, Texas.

2000: **Laboratory Technician**, Invertebrate Zoology Lab, Texas A&M
University, Galveston

Publications

Thomas L. Turner, Andrew W. Stewart, Andrew T. Fields, William R. Rice and Aaron M. Tarone. 2011. Population-based resequencing of experimentally evolved populations reveals the genetic basis of body size variation in *Drosophila melanogaster*. PLoS Genetics 7(3): e1001336.

Paige M. Miller, Julia B. Saltz, Veronica A. Cochrane, Caitlin M. Marcinkowski, Raisa Mobin and Thomas L. Turner. 2011. Natural variation in decision-making behavior in *Drosophila melanogaster*. PLoS One 6(1): e16436.

Roman Yukilevich, Thomas L. Turner, Fumio Aoki, Sergey V. Nuzhdin and John True. 2010. Patterns and processes of genome-wide divergence between North American and African *Drosophila melanogaster*. Genetics 186(1): 219-239.

Jan Vrbsky, Svetlana Akimcheva, J. Matthew Watson, Thomas L. Turner, Lucia Daxinger, Boris Vyskot, Werner Aufsatz and Karel Riha. 2010. siRNA-mediated methylation of *Arabidopsis* telomeres. PLoS Genetics 6(6): e1000986.

Thomas L. Turner and Matthew W. Hahn. 2010. Genomic islands of speciation or genomic islands *and* speciation? *Molecular Ecology* 19(5): 848-850.

Thomas L. Turner, Elizabeth C. Bourne, Eric J. Von Wettberg, Tina T. Hu and Sergey V. Nuzhdin. 2010. Population resequencing reveals local adaptation of *Arabidopsis lyrata* to serpentine soils. *Nature Genetics* 42: 260-263.

Thomas L. Turner, Eric J. Von Wettberg and Sergey V. Nuzhdin. 2008. Genomic analysis of differentiation between soil types reveals candidate genes for local adaptation in *Arabidopsis lyrata*. *PLoS One* e3183.

Thomas L. Turner, Mia T. Levine, Melissa L. Eckert and David J. Begun. 2008. Genomic analysis of adaptive differentiation in *Drosophila melanogaster*. *Genetics* 179: 1-19.

Thomas L. Turner and Matthew W. Hahn. 2007. Locus- and population-specific selection and differentiation between incipient species of *Anopheles gambiae*. *Molecular Biology and Evolution* 24: 2132-2138.

Thomas L. Turner, Matthew W. Hahn and Sergey V. Nuzhdin. 2005. Genomic islands of speciation in *Anopheles gambiae*. *PLoS Biology* 3: 3285-3318.

Synergistic Activities

Invited speaker, Workshop on Genetics and Genomics of Adaptation and Speciation, 2009.
Institute for Advanced Studies, Berlin

Invited speaker, Population Genetics Seminar Series, 2009. University of Veterinary Medicine,
Vienna

Invited speaker, Genetics of Speciation: American Genetics Association Annual Symposium,
2006. Vancouver, B. C.

Invited Speaker, American Society of Tropical Medicine and Hygiene Annual Conference, 2005.
Washington D. C.

Contributor to 9 other diverse scientific meetings and symposia since 2005.

Collaborators & Other Affiliations

(i) Collaborators

S.V. Nuzhdin, T.T. Hu: Molecular and Computational Biology, Univ. of Southern California; E.J. Von Wettberg, D.J. Begun, M.L. Eckert: Univ. of California, Davis; M. T. Levine, Fred Hutchinson Cancer Research Center; K. Riha, M.N. Nordborg: Gregor Mendel Institute, Vienna.

(ii) Graduate and Postdoctoral Advisors

S.V. Nuzhdin: Molecular and Computational Biology, Univ. of Southern California; M.N. Nordborg: Gregor Mendel Institute, Vienna.

(iii) Thesis Advisor and Postgraduate-Scholar Sponsor

Alison Pischedda (current)