

Fellowships:

2010 – present	Genomic Sciences Training Program Postdoctoral Fellowship
1998 – 2005	Howard Hughes Medical Institute Predoctoral Fellowship in Biological Science
1998	National Science Foundation Predoctoral Fellowship (declined)
1997	Grace Potter Rice Fellowship for Graduate Study, Barnard College

Grants:

2006 – 2008	National Science Foundation, “Dissertation Research: Evolution of reproductive proteins in <i>Peromyscus</i> ” (Co-PI Dr. Hopi Hoekstra)
2004	Mildred Mathias Graduate Student Research Grant University of California
2003	Grant-in-aid of Research American Society of Mammalogists
1998	Tinker Field Research Grant Duke University
1998	Center for International Studies Field Research Grant Duke University
1996	Summer Research Grant Barnard College

Awards and Honors:

2008	Postdoctoral Researcher Travel Award Society of Molecular Biology and Evolution Meeting
2006	Student Travel Award Genetics of Speciation Symposium, American Genetics Association
2005	Best Poster Award Gordon Research Conference, Fertilization and the Activation of Development
2003	Elizabeth Horner Prize (best research proposal of the 81 submissions) American Society of Mammalogists
1997	Spira Family Prize (most promising Biology graduate) Barnard College
1997	Distinction on the Senior Requirement Barnard College
1996	Phi Beta Kappa Honor Society Barnard College

University Service:

- Admissions committee, University of California, San Diego, 2004
- Recruitment committee, University of California, San Diego, 2003

Professional Service:

- Mentor, Undergraduate Diversity and Mentoring Program, *Society for Molecular Biology and Evolution*, 2009
- Mentor, Upward Bound Math and Science Program, 2002-2003
- Reviewer: *Evolution, Genes and Immunity, Molecular Biology and Evolution, PLoS One, Systematic Biology*

Additional Laboratory Research Experience:

- 2002 University of Pennsylvania, Philadelphia, Pennsylvania.
Dr. Michael Olson’s laboratory. Abramson Cancer Center.
Inhibition of mouse ROCKI and ROCKII using RNAi.
- 2000 – 2002 Cell Therapeutics, Inc., Seattle, Washington.
Molecular biology of cancer, using a variety of molecular techniques
(cloning and expression of genes in mammalian cell lines, Southern blots,
northern blots, western blots, *in situ* hybridization).

Field Research Experience:

- 2008 Southern Germany – small mammal trapping
- 2004 Northern California - small mammal trapping
- 2003 – 2004 Southern California - small mammal trapping
- 1999 Costa Rica - behavioral observations, capture, morphological
measurements of primates
- 1998 Bolivia - behavioral observations, fecal sample collection of primates
- 1998 Uganda- fecal sample collection of primates

Presentations:

- 2010 “The distribution of male sterility phenotypes and testis gene expression
variation along a genetic cline in a house mouse hybrid zone” Talk:
Evolution meeting, Portland, Oregon (June)
- 2010 “Male sterility in a natural house mouse hybrid zone” Talk: Complex Trait
Community Meeting, Chicago, Illinois (May)
- 2009 “Associations between testis gene expression variation and male sterility in
a house mouse hybrid zone” Invited talk: Mind the Gap: Joining empirical
and theoretical population genetics, Freiburg, Germany (October)
- 2009 “Associations between testis gene expression variation and male sterility in
a house mouse hybrid zone” Talk: *Society for Molecular Biology and
Evolution* Meeting, Iowa City, Iowa (June)
- 2008 “Adaptive evolution of reproductive proteins in rodents” Invited talk:
Institute of Molecular Genetics, Prague, Czech Republic
- 2008 “Adaptive evolution of an egg protein in deer mice (*Peromyscus*): Does it
contribute to reproductive isolation?” Poster: International Congress of
Genetics, Berlin, Germany (July)

- 2008 “*Vlar* variation and its contribution to mating system variation in deer mice (*Peromyscus*). Talk: *Society for Molecular Biology and Evolution* Meeting, Barcelona, Spain (June)
- 2008 “Reproductive protein evolution in rodents” Invited talk: International Mouse Meeting, Plön, Germany (March)
- 2007 “Comparative analysis of testis protein evolution in rodents” Invited talk: Aquavit Meeting, Max Planck Institute, Plön, Germany (March)
- 2007 “Adaptive evolution of reproductive proteins in deer mice (*Peromyscus*)” Invited seminar: Institute for Genetics, University of Cologne, Germany (March)
- 2006 “Evolutionary patterns of reproductive proteins in deer mice (*Peromyscus*)” Talk: Meeting of Predoctoral Fellows in Biological Sciences, Howard Hughes Medical Institute, Bethesda, Maryland (September)
- 2006 “Evolution of testis-expressed proteins in *Peromyscus*” Poster: Genetics of Speciation Symposium, *American Genetics Association*, Vancouver, Canada (July)
- 2006 “Evolution of testis-expressed proteins in monogamous and promiscuous species of *Peromyscus*” Talk: *Society for Molecular Biology and Evolution* Meeting, Tempe, Arizona (May)
- 2006 “Comparative analysis of *Vlar* regulation and its contribution to mating system variation in deer mice (*Peromyscus*)” Poster: *Society for Molecular Biology and Evolution* Meeting, Tempe, Arizona (May)
- 2005 “Adaptive evolution of a fertilization protein in natural populations of deermice (*Peromyscus*)” Talk: Division of Biological Sciences Retreat, University of California, San Diego (September)
- 2005 “Adaptive evolution of a fertilization protein in natural populations of deermice (*Peromyscus*)” Poster: Gordon Research Conference: Fertilization and the Activation of Development, Plymouth, New Hampshire (July)
- 2005 “Reproductive protein evolution within a species: ZP3 sequence variation in *Peromyscus truei*” Talk: Evolution meeting, Fairbanks, Alaska (June)
- 2005 “Evolution of fertilization proteins in *Peromyscus*” Talk: Division of Biological Sciences Recruitment, University of California, San Diego (February and March)
- 2004 “Evolution of reproductive proteins in monogamous and promiscuous species of *Peromyscus*” Talk (Ernst Mayr Prize session): Evolution meeting, Fort Collins, Colorado (June)

Publications:

- Turner LM, Young AR, Römler H, Schöneberg T, Phelps SM, Hoekstra HE. 2010. Monogamy evolves through multiple mechanisms: Evidence from *Vlar* in deer mice. *Molecular Biology and Evolution* 27(6): 1269-1278.
- Harr B, Turner LM. 2010. Genome-wide analysis of alternative splicing evolution among *Mus* subspecies. *Molecular Ecology* 19(S1): 228-239.

- Woodruff DS, **Turner LM**. 2009. The Indochinese-Sundaic zoogeographic transition: a description and analysis of terrestrial mammal species distributions. *Journal of Biogeography* 36(5): 803-821.
- Turner LM**, Hoekstra HE. 2008. The evolution of reproductive proteins: Causes and Consequences. *International Journal of Developmental Biology* 52: 769–780.
- Turner LM**, Chuong EB, Hoekstra HE. 2008. Comparative analysis of testis protein evolution in rodents. *Genetics* 179(4): 2075-2089.
- Turner LM**, Hoekstra HE. 2008. Reproductive protein evolution within and between species: Maintenance of divergent ZP3 alleles in *Peromyscus*. *Molecular Ecology* 17(11): 2616–2628.
- Turner LM**, Hoekstra HE. 2006. Adaptive evolution of fertilization proteins within a genus: Variation in ZP2 and ZP3 in deer mice (*Peromyscus*). *Molecular Biology and Evolution* 23: 1656-1669.
- Howard LL, **Turner LM**, Stalis IH, Morris PJ. 2005. Serum gamma-glutamyltransferase as a prognostic indicator of neonatal viability in nondomestic ruminants. *Journal of Zoo and Wildlife Medicine* 36: 239-244.