

Hannah Kim Frank

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Department of Biology, Stanford University
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EDUCATION:

Stanford University, Stanford, CA (September 2011 - present)
Ph.D. expected in 2016 in Biology (Ecology, Evolution and Population Biology track); Advisor: Elizabeth Hadly

University of Southern California, Los Angeles, CA (January 2011 – May 2011)
Post-baccalaureate Premedical Program; coursework in microbiology and biochemistry

Harvard College, Cambridge, MA (September 2005 - June 2009)
A.B. *summa cum laude* in Organismic & Evolutionary Biology with highest honors in field; secondary field in Chemistry; awarded June 2009; Honors thesis: “Convergence in toepad morphology in mainland and Caribbean *Anolis* lizards”

Council on International Educational Exchange, Monteverde, Costa Rica (Summer 2007)
Coursework in tropical biology and agroecology; conducted independent research on predator avoidance in foraging, nectar feeding bats

Polytechnic School, Pasadena, CA (September 1991 - June 2005)

AWARDS AND GRANTS:

Bing-Mooney Fellowship in Environmental Science and Conservation (2012); graduate tuition and stipend support for 4 years of PhD study at Stanford

Prof. Gilda H. Loew Fellowship (2011); graduate tuition and stipend support at Stanford

Fulbright Fellowship (2010); awarded to conduct research on tuatara in New Zealand

Donald and Cathleen Pfister Prize (2009); awarded to Kirkland House senior with highest achievement in natural sciences

Phi Beta Kappa (2008)

Harvard College Research Program grant (2008); awarded for field work in Costa Rica

Museum of Comparative Zoology Grant-in-Aid of Undergraduate Research (2008); awarded for field work in Costa Rica

John Harvard Scholarship (2008, 2007); awarded to top 5% of Harvard class for preceding year

Harvard College Scholarship (2006); awarded to top 10% of class for preceding year

Harvard Program for Research in Science and Engineering (PRISE) (2006): selective 10 week summer research program; awarded room, board and stipend to conduct research with Scott Edwards; See “Research Experience”

Class of 1962 Scholarship Award (2005): awarded to Polytechnic graduate with highest GPA

National Merit Scholarship (2005)

Presidential Freedom Scholarship (2005)

RESEARCH EXPERIENCE:

Stanford University, Stanford, CA (September 2011-present)

Graduate student with Elizabeth Hadly, research on disease and parasite exposure and immunogenetic evolution in Neotropical bats, PhD expected 2016

Fulbright Fellowship, Wellington, New Zealand (February 2010 – January 2011)

Full-time research on immunity in inbred North Brother Island tuatara (*Sphenodon punctatus*) with Dr. Nicola Nelson (senior lecturer; conservation biology program manager) and Dr. Anne LaFlamme (senior lecturer) at Victoria University of Wellington

Professor Jonathan Losos, Harvard University, Cambridge, MA (October 2007 - July 2009)

Research in organismic and evolutionary biology lab on levels of evolutionary convergence in *Anolis* toepad morphology; research resulted in honors thesis

Field Assistant, Harvard University, Costa Rica and Panama (Summers 2008 and 2009)

Assisted Anthony Herrel (permanent researcher; Museum of Natural History, Paris, France) with lizard behavioral, morphological and ecological research conducted through Losos lab (Harvard University; Costa Rica, 2008; Panama, 2009)

Harvard Program for Research in Science and Engineering (PRISE), Cambridge, MA (Summer 2006)

Full-time research on population genetics in house finches in molecular ecology lab under the direction of Professor Scott Edwards

Harvard Museum of Comparative Zoology, Cambridge, MA (April 2006 - June 2006)

Volunteer: assisted with sorting a donation of specimens from the Museum of Science, Boston, MA

TEACHING EXPERIENCE:

Biology 43: Plant Biology, Evolution and Ecology, Stanford University (Spring 2012)

Teaching Assistant (TA), Chosen as TA mentor for Spring 2013

Stanford Splash, Stanford University (Spring 2012)

Instructor (Herpetology), designed and taught one day outreach course for middle and high school students

PRESENTATIONS:

Victoria University of Wellington Ecology and Evolution Seminar (Wellington, New Zealand; July 2010) on convergence in *Anolis* toepads (weekly department seminar)

Anolis symposium (Cambridge, MA; October 2009); on convergence in *Anolis* toepads (contributed talk); See “Published Abstracts and Newsletters”

Society of Integrative and Comparative Biology National Meeting (Boston, MA; January 2009) on convergence in *Anolis* toepads (contributed talk); See “Published Abstracts and Newsletters”

Harvard Undergraduate Research Symposium (November 2006); on population history of the house finch; work done with Scott Edwards during PRISE (poster)

PUBLISHED ABSTRACTS AND NEWSLETTERS:

Frank, HK, Mahler, DL, Revell, LJ. 2010. *Anolis* Newsletter VI. Testing for convergence in toepad morphology in mainland and Caribbean *Anolis*. Museum of Comparative Zoology, Harvard University: Cambridge, MA. pp. 45-55. (Non peer-reviewed.)

Frank, HK, Mahler, DL, Revell, LJ, Losos, JB. 2009. Adaptive Radiation in Toepad Characteristics in Mainland and Caribbean Anolis Communities [Abstract]. *Integrative and Comparative Biology* 49(1): E58.

Herrel, A, Velasco, J, Sasa, M, Campbell-Staton, S, Crandell, KE, Fenstermacher, K, **Frank, H**, Mahler, L, Munoz, M, VanMiddlesworth, P, Losos, J. 2009. Why are mainland anoles different? An ecomorphological perspective [Abstract]. *Integrative and Comparative Biology* 49(1): E74.

MANUSCRIPTS IN PREPARATION

Frank, HK, Mahler, DL, Revell, LJ. Convergence in toepad morphology in mainland and Caribbean *Anolis*. For submission to the *Journal of Evolutionary Biology*.

Frank, HK, Nelson, NJ, LaFlamme, AC. Effect of season and resource availability on circulating blood leukocytes and immune function in tuatara (*Sphenodon punctatus*).

WORKSHOPS ATTENDED:

Macroevolutionary Methods in R, Santa Barbara, CA (July 31 – Aug 5, 2011)
Selected topics: tree manipulation, independent contrasts and phylogenetic generalized least squares, ancestral state reconstruction, models of character evolution, diversification analyses, community phylogenetic analysis. Awarded stipend for travel and lodging

VETERINARY AND ANIMAL EXPERIENCE:

Foothill Veterinary Hospital, Pasadena, CA (September 2009 - January 2010)
Veterinary Technician: full time work in a small animal hospital

Los Angeles Zoo, Los Angeles, CA (January 2001 - August 2005; June 2009 - January 2010)
Docent and General Volunteer: completed twenty week (six hours/week) zoology/ taxonomy training course; led educational tours of the Zoo and its collections; food preparation for seals, sea lions and otters