

## **CURRICULUM VITAE**

### **DANIEL LEE RABOSKY**

University of Michigan • Department of Ecology & Evolutionary Biology  
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#### **EDUCATION**

Ph.D. Cornell University, Ecology & Evolutionary Biology, 2009  
M.S. Pennsylvania State University, Biology, 2003  
B.S. Ohio University, Biological Sciences, 1999

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#### **APPOINTMENTS**

2012- Assistant Professor, Dept of Ecology and Evolutionary Biology,  
University of Michigan  
2012- Assistant Curator of Herpetology, Museum of Zoology, University of Michigan  
2009-2012 Miller Research Fellow, University of California, Berkeley

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#### **FELLOWSHIPS, AWARDS, GRANTS**

##### **FELLOWSHIPS**

2015-2020 Packard Fellowship [\$875,000]  
2009-2012 Miller Postdoctoral Fellowship, University of California, Berkeley  
2004 NSF East Asia and Pacific Summer Institutes Fellowship, Australia  
2003-2004 Presidential Life Sciences Fellowship, Cornell Genomics Initiative, Cornell Univ.

##### **AWARDS**

2014 MacArthur & Wilson Award, International Biogeographical Society  
2012 Theodosius Dobzhansky Prize, Society for the Study of Evolution  
2010 Young Investigator Prize, American Society of Naturalists  
2009 Ernst Mayr Award for best presented paper, Society of Systematic Biologists  
2009 Cole Award for best paper published by graduate student in EEB at Cornell Univ.

##### **RESEARCH GRANTS**

2013-2016 NSF, Phylogenetic Systematics (PI): *A macroevolutionary framework to study the assembly of continental biotas* [\$600,000]  
2008-2011 NSF, Phylogeography (senior personnel): *Ecological Drivers and Phylogenetic Components of Diversification in a Major Continental Vertebrate Radiation*  
2006-2008 NSF, Doctoral Dissertation Enhancement Grant: *Adaptive and Non-Adaptive Radiation in Australian Desert Lizards* [\$18,998]

##### **SMALLER RESEARCH GRANTS**

2008 Cornell Sigma Xi Travel Grant  
2005 Society of Systematic Biologists Graduate Research Award  
2005 American Society of Ichthyologists and Herpetologists Gage Award  
2005 Orenstein Award, Department of Ecology & Evolutionary Biology, Cornell University  
2004-2008 Cornell Graduate School Travel Grant (4x)  
2004-2008 Andrew W. Mellon Foundation Research Grant (4x)  
2004-2007 Cornell Sigma Xi Research Grant (2x)

2004-2006 Mario Einaudi Center for International Studies Travel Grant, Cornell University (2x)

## PUBLICATIONS

\* Rabosky lab postdoctoral researcher

+ Rabosky lab graduate student

\$ Rabosky lab undergraduate student

### MANUSCRIPTS IN PRINT

**Rabosky, D. L.**, and E. E. Goldberg. 2017. FiSSE: a simple non-parametric test for the effects of a binary character on lineage diversification rates. In press, *Evolution*.

**Rabosky, D. L.**, J. S. Mitchell\*, and J. Chang. 2017. Is BMM flawed? Theoretical and practical concerns in the analysis of multi-rate diversification models. *Systematic Biology* DOI: 10.1093/sysbio/syx037

Grundler\$, M. R., E. R. Pianka, N. Pelegrin, M. A. Cowan, and **D. L. Rabosky**. 2017. Stable isotope ecology of a hyper-diverse community of scincid lizards from arid Australia. *PLoS ONE* DOI:10.1371/journal.pone.0172879.

Title+, P., and **D. L. Rabosky**. 2016. Do Macrophylogenies Yield Stable Macroevolutionary Inferences? An Example from Squamate Reptiles. *Systematic Biology* doi:10.1093/sysbio/syw102

Mitchell, J. S\*, and **D. L. Rabosky**. 2016. Bayesian model selection with BMM: effects of the model prior on the inferred number of diversification shifts. *Methods in Ecology and Evolution*. 10.1111/2041-210X.12626.

**Rabosky, D. L.** 2016. Reproductive isolation and the causes of speciation rate variation in nature. *Biological Journal of the Linnean Society*. 118: 13-25 (cover).

Davis Rabosky, A. R., C. L. Cox, **D. L. Rabosky**, P. O. Title+, I. A. Holmes+, A. Feldman, J. A. McGuire. 2016. Coral snakes predict the evolution of mimicry across New World snakes. *Nature Communications* doi:10.1038/ncomms11484.

Rosauer, D. F., M. P. K. Blom, G. Bourke, S. Catalano, S. Donnellan, G. Gillespie, E. Mulder, P. M. Oliver, S. Potter, R. Pratt, **D. L. Rabosky**, P. L. Skipwith, and C. Moritz. 2016. Phylogeography, hotspots, and conservation priorities: an example from the Top End of Australia. *Biological Conservation* doi: 10.1016/j.biocon.2016.05.002.

Davis Rabosky, A. R., C. L. Cox, and **D. L. Rabosky**. 2016. Unlinked Mendelian inheritance of red and black pigmentation in snakes: implications for Batesian mimicry. *Evolution* 70:944-953 doi: 10.1111/evo.12902.

**Rabosky, D. L.** 2016. Challenges in the estimation of extinction from molecular phylogenies: a response to Beaulieu and O'Meara. *Evolution* 70:218-228 (doi: 10.1111/evo.12820).

**Rabosky, D. L.** 2015. No substitute for real data: a cautionary note on the use of phylogenies from birth-death polytomy resolvers for downstream comparative analyses. *Evolution* 69:3207-

3216 (doi: 10.1111/evo.12817).

- Rabosky, D. L.**, and H. Huang\*. 2015. A robust semi-parametric test for trait-dependent diversification. *Systematic Biology* 65:181-193 doi: 10.1093/sysbio/syv066.
- Huang\*, H., and **D. L. Rabosky**. 2015. Sex-linked genomic variation and its relationship to avian plumage dichromatism and sexual selection. *BMC Evolutionary Biology*. 15:199.
- Rabosky, D. L.**, P. Title+, and H. Huang\*. 2015. Minimal effects of latitude on present-day speciation rates in New World birds. *Proc. R. Soc. B*. 282:20142889
- Shi+, J., and **D. L. Rabosky**. 2015. Speciation dynamics during the global radiation of extant bats. *Evolution* 69:1528-1545. doi: 10.1111/evo.12681.
- Rabosky, D. L.**, and E. E. Goldberg. 2015. Model inadequacy and mistaken inference of trait-dependent speciation. *Systematic Biology* 64: 340-355. doi:10.1093/sysbio/syu131.
- Rabosky, D. L.**, and A. H. Hurlbert. 2015. Species richness at continental scales is dominated by ecological limits. *American Naturalist*. 185:572-583.
- Huang\*, H., and **D. L. Rabosky**. 2014. Sexual selection and diversification: reexamining the correlation between dichromatism and speciation rate in birds. *American Naturalist*. 184:E101-14
- Stadler, T., **D. L. Rabosky**, R. E. Ricklefs, and F. Bokma. 2014. On age and species richness of higher taxa. *American Naturalist*. 184: 447-455.
- Rabosky, D. L.**, M. Grundler+, C. Anderson\*, P. Title+, J. J. Shi+, H. Huang\*, J. W. Brown, and J. Larson+. BAMMtools: an R package for the analysis of evolutionary dynamics on phylogenetic trees. *Methods in Ecology and Evolution*. 5: 701 - 707
- Grundler+, M., and **D. L. Rabosky**. Morphological convergence and dietary divergence during the radiation of Australian elapid snakes. *Proceedings of the Royal Society of London B* 281: 20140413.
- Hunt, G., and **D. L. Rabosky**. Phenotypic evolution in fossil species: pattern and process. *Annual Review of Earth and Planetary Sciences*. 42: 421 - 441.
- Rabosky, D. L.**, S. C. Donnellan, M. Grundler+, and I. J. Lovette. 2014. Analysis and Visualization of Complex Macroevolutionary Dynamics: an Example from Australian Scincid Lizards. *Systematic Biology* 63: 610-627.
- Rabosky, D. L.** 2014. Automatic detection of key innovations, rate shifts, and diversity-dependence on phylogenetic trees. *PLoS ONE* 9: e89543
- Rabosky, D. L.**, and G. J. Slater. 2014. Macroevolutionary Rates. *Oxford Bibliographies*. DOI: 10.1093/OBO/9780199941728-0009
- Linder, P., **D. L. Rabosky**, A. Antonelli, R. Wuest, and R. Ohlemuller. 2014. Disentangling the influence of climatic and geologic changes on species radiations. *Journal of Biogeography*.

doi:10.1111/jbi.12312

- Rabosky, D. L.**, M. N. Hutchinson, S. C. Donnellan, A. L. Talaba, and I. J. Lovette. 2014. Phylogenetic disassembly of species boundaries in a widespread group of Australian skinks (Scincidae: *Ctenotus*). ***Molecular Phylogenetics and Evolution*** doi:10.1016/j.ympev.2014.03.026
- McGuire, J. A., C. C. Witt, J. Van Remsen, A. Corl, **D. L. Rabosky**, D. L. Altshuler, and R. Dudley. Rapid and ongoing diversification of hummingbirds (Apodiformes: Trochilidae). 2014. ***Current Biology*** 24: 1 - 7.
- Rabosky, D. L.**, and D. R. Matute. 2013. Macroevolutionary speciation rates are decoupled from the evolution of intrinsic reproductive isolation in *Drosophila* and birds. ***Proceedings of the National Academy of Sciences of the U.S.A.*** 110:15354-15359.
- Rabosky, D. L.** 2013. Diversity-dependence, ecological speciation, and the role of competition in macroevolution. ***Annual Review of Ecology, Evolution, and Systematics***. 44:481-502.
- Rabosky, D. L.**, F. Santini, J. T. Eastman, S. A. Smith, B. L. Sidlauskas, J. Chang, and M. E. Alfaro. 2013. Rates of speciation and morphological evolution are correlated across the largest vertebrate radiation. ***Nature Communications*** DOI: 10.1038/ncomms2958
- Rabosky, D. L.**, G. J. Slater, and M. E. Alfaro. 2012. Clade age and species richness are decoupled across the Eukaryotic tree of Life. ***PLoS Biology*** 10: e1001381.
- Rabosky, D. L.** 2012. Positive correlation between diversification rates and phenotypic evolvability can mimic punctuated equilibrium on molecular phylogenies. ***Evolution*** 66: 2622-2627.
- Springer, M. S., R. W. Meredith, J. Gatesy, C. A. Emerling, J. Park, **D. L. Rabosky**, T. Stadler, C. Steiner, O. A. Ryder, J. E. Janecka, C. A. Fisher, and W. J. Murphy. 2012. Macroevolutionary dynamics and historical biogeography of primate diversification inferred from a species supermatrix. ***PLoS ONE*** 7:e49521.
- Rabosky, D. L.**, and D. C. Adams. 2012. Rates of morphological evolution are correlated with species richness in salamanders. ***Evolution*** 66:1807-1818.
- Reddy, S. L., A. Driskell, **D. L. Rabosky**, S. J. Hackett, and T. S. Schulenberg. 2012. Diversification and the adaptive radiation of the vangas of Madagascar. ***Proceedings of the Royal Society of London, B Biological Sciences***. doi:10.1098/rspb.2011.2380.
- Rabosky, D. L.** 2012. Testing the time-for-speciation effect in the assembly of regional biotas. ***Methods in Ecology and Evolution***. 3:224-233.
- Rabosky, D. L.**, M. A. Cowan, A. L. Talaba, and I. J. Lovette. 2011. Species interactions mediate phylogenetic community structure in a hyperdiverse lizard assemblage from arid Australia. ***American Naturalist*** 178:579-595.
- Meredith, R. W., J.E. Janecka, J. Gatesy, O. A. Ryder, C. A. Fisher, E. C. Teeling, A. Goodbla, E. Eizirik, T. L. L. Simao, T. Stadler, **D. L. Rabosky**, R. L. Honeycutt, J. J. Flynn, C. M. Ingram, C. Steiner, T. L. Williams, T. J. Robinson, A. Burk-Herrick, M. Westerman, N. A. Ayoub, M. S. Springer and W. J. Murphy. 2011. Impacts of the Cretaceous Terrestrial Revolution and KPg Extinction on

- mammal diversification. *Science* 334:521-524.
- Rabosky, D. L.**, and R. E. Glor. 2010. Equilibrium speciation dynamics in a model adaptive radiation of island lizards. *Proceedings of the National Academy of Sciences of the U.S.A.* 51:22178-22183. [cover article]
- Rabosky, D. L.** 2010. Primary controls on species richness in higher taxa. *Systematic Biology* 59:634-645.
- Rabosky, D. L.**, and M. E. Alfaro. 2010. Evolutionary bangs and whimpers: methodological advances and conceptual frameworks for studying exceptional diversification. *Systematic Biology* 59:615-618.
- Rabosky, D. L.** 2010. Extinction rates should not be estimated from molecular phylogenies. *Evolution* 6:1816-1824.
- Rabosky, D. L.**, and A. R. McCune. 2010. Reinventing species selection with molecular phylogenies. *Trends in Ecology and Evolution* 25:68-74.
- Rabosky, D. L.**, and U. Sorhannus. 2009. Diversity dynamics of marine planktonic diatoms across the Cenozoic. *Nature* 457:183-186.
- Rabosky, D. L.** 2009. Ecological limits and diversification rate: alternative paradigms to explain the variation in species richness among clades and regions. *Ecology Letters* 12: 735-743
- Rabosky, D. L.** 2009. Heritability of extinction rates links diversification patterns in molecular phylogenies and the fossil record. *Systematic Biology* 58:629-640.
- Rabosky, D. L.**, A. L. Talaba, S. C. Donnellan, and I. J. Lovette. 2009. Molecular evidence for hybridization between two Australian desert skinks, *Ctenotus leonhardii* and *Ctenotus quattuordecimlineatus* (Scincidae : Squamata). *Molecular Phylogenetics and Evolution* 53:368-377.
- Rabosky, D. L.** 2009. Ecological limits on clade diversification in higher taxa. *American Naturalist* 173:662-674.
- Agrawal, A.A., M. Fishbein, R. Halitschke, A. P. Hastings, **D. L. Rabosky**, and S. Rasman. 2009. Tempo of trait evolution in the milkweeds: evidence for adaptive radiation. *Proceedings of the National Academy of Sciences of the U.S.A.* 106: 18067-18072.
- Alfaro, M. E., F. Santini, C. D. Brock, H. Alamillo, A. Dornburg, **D. L. Rabosky**, G. Carnevale, and L. J. Harmon. 2009. Nine exceptional radiations plus high turnover explain species diversity in jawed vertebrates. *Proceedings of the National Academy of Sciences of the U.S.A.* 106:13410-13414.
- Steeman, M. E., M. B. Hebsgaard, R. E. Fordyce, S. W. Y. Ho, **D. L. Rabosky**, R. Nielsen, C. Rahbek, H. Glenner, M. V. Sørensen, and E. Willerslev. 2009. Evolution and radiation of extant whales. *Systematic Biology*. 58:573-585.
- Rabosky, D. L.** and I. J. Lovette. 2009. Problems detecting density-dependent diversification on

phylogenies: reply to Bokma. *Proceedings of the Royal Society of London, B Biological Sciences* 276:995-997.

**Rabosky, D. L.**, and I. J. Lovette. 2008. Density dependent diversification in North American wood-warblers. *Proceedings of the Royal Society of London, B Biological Sciences* 275:2363-2371.

**Rabosky, D. L.**, and I. J. Lovette. 2008. Explosive evolutionary radiations: decreasing speciation or increasing extinction through time? *Evolution* 62:1866-1875.

Rawlings, L. H., **D. L. Rabosky**, S. C. Donnellan, and M. N. Hutchinson. 2008. Python phylogenetics: inferences from morphology and mitochondrial DNA. *Biological Journal of the Linnean Society* 93:603-619.

**Rabosky, D. L.**, S. C. Donnellan, A. L. Talaba, and I. J. Lovette. 2007. Exceptional among-lineage variation in diversification rates during the radiation of Australia's largest vertebrate clade. *Proceedings of the Royal Society of London, B Biological Sciences* 274:2915-2923.

**Rabosky, D. L.**, J. Reid, M. A. Cowan, and J. Foulkes. 2007. Community-wide overdispersion of body size in Australian desert lizard communities. *Oecologia* 154:561-570.

**Rabosky, D. L.** 2006. LASER: a maximum likelihood toolkit for detecting temporal shifts in diversification rates from molecular phylogenies. *Evolutionary Bioinformatics Online* 2:257-260.

**Rabosky, D. L.** 2006. Likelihood methods for inferring temporal shifts in diversification rates. *Evolution* 60:1152-1164.

**Rabosky, D. L.**, K. P. Aplin, S. C. Donnellan, and S. B. Hedges. 2004. Molecular phylogeny of blindsnakes (Ramphotyphlops) from Western Australia and resurrection of *Ramphotyphlops bicolor* (Peters, 1857). *Australian Journal of Zoology* 52:531-548.

Johnson, K. S., and **D. Rabosky**. 2000. Phylogenetic distribution of digestive proteinases in beetles: evidence for an evolutionary shift to an alkaline digestive strategy in Cerambycidae. *Comparative Biochemistry and Physiology B* 126:609-619.

#### **MANUSCRIPTS UNDER REVIEW**

Singhal\*, S., M. R. Grundler\$, G. Colli, and **D. L. Rabosky**. SqCL: a unified set of conserved loci for phylogenomics and population genetics of squamate reptiles.

**Rabosky, D. L.**, P. Doughty, and H. Huang\*. Lizards in pinstripes: morphological and genomic evidence for two new species of scincid lizards within *Ctenotus piankai* Storr and *C. duricola* Storr (Reptilia: Scincidae) in the Australian arid zone

Singhal\*, S., H. Huang\*, P. O. Title+, S. C. Donnellan, I. Holmes+, and **D. L. Rabosky**. Museum occurrence data predicts genetic diversity in a species-rich clade of Australian lizards

Mitchell\*, J. S., R. S. Etienne, and **D. L. Rabosky**. A General Multiprocess Diversification Model for Paleontological and Molecular Phylogenetic Data.

Harvey, M. H\*, G. F. Seeholzer, B. T. Smith, **D. L. Rabosky**, A. M. Cuervo, and R. Brumfield. A positive association between population genetic differentiation and speciation rates in New World birds.

Harvey\*, M. H. and **D. L. Rabosky**. Studying trait-dependent diversification using comparative population genetics.

Lavoue, S., M. E. Arnegard, **D. L. Rabosky**, P. B. McIntyre, D. Arcila, R. Vari, and M. Nishida. Trophic evolution in African citharinoid fishes (Teleostei: Characiformes) and the origin of intraordinal pterygophagy.

Harvey\*, M. H., and **D. L. Rabosky**. Semiparametric tests for the effects of quantitative traits on lineage diversification rates.

### **BOOK REVIEWS**

Rabosky, D. L. 2009. Speciation in birds and more: review of *Speciation in Birds* by Trevor Price. *Conservation Biology* 23:506-508.

Rabosky, D. L. 2008. Review of *How and Why Species Multiply* by Grant and Grant. *Auk* 125:994-5.

Rabosky, D. L. 2005. Review of Coyne and Orr's *Speciation*. *Auk* 122: 371-373.

### **POPULAR ARTICLES**

Rabosky, D. L. 2005. The most diverse lizard community on earth. *Birdscope* 19:6-7.

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## **TEACHING EXPERIENCE**

### **INSTRUCTOR**

2016            EEB 391: Evolutionary Biology / Macroevolution  
 2013 -            BIOL 252: Vertebrate Evolution and Diversity (Univ of Michigan, 4 credits)  
 2012 -            EEB 401: Computer Programming for Ecology and Evolution (Univ of Michigan, 3 credits)  
 2012            EEB 801: Graduate seminar in macroevolution (Univ of Michigan, 1 credit)  
 2012            Tropical Field Ecology, Mpala Research Station, Kenya (January 2012)  
 2007            Graduate course in R Programming, Cornell Univ

### **WORKSHOPS ORGANIZED**

2017            Computational macroevolution (iDigBio conference, Ann Arbor)  
 2015            Macroevolutionary modeling (SSB standalone conference, Ann Arbor)  
 2014            Computational Macroevolution and BAMB (NESCent)  
 2014            Computational Macroevolution with BAMB (University of Kansas)  
 2014            Computational Macroevolution with BAMB (Louisiana State Univ.)  
 2014            Computational Methods for Macroevolution (University of Zurich)  
 2014            Computational Macroevolution (Australian National Univ)  
 2014            Computational macroevolution with BAMB (Univ of Adelaide)  
 2014            Computational macroevolution (Univ of Bristol)  
 2014            Computational macroevolution / BAMB (Linnean Society, London)

- 2014 Computational macroevolution (Univ of Texas - Austin)  
 2015 Computational macroevolution (Society of Systematic Biologists conf., Ann Arbor)

**OTHER WORKSHOP INSTRUCTION**

- 2014 NESCent short course on macroevolution; co-instructor  
 2011 Phylogenetic comparative methods, NCEAS; co-instructor

**GRADUATE TEACHING ASSISTANT**

- 2007 Herpetology Laboratory, Cornell University (taught 2 full semester labs)  
 2005-06 Introductory Biology Laboratory, Cornell University (4 full semester labs)  
 2001-2003 Vertebrate Physiology Laboratory (10 full semester labs), Penn State

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**COMPUTATIONAL RESOURCES/SOFTWARE DEVELOPMENT**

- 2013 - Developer and maintainer of BAMB and BAMBtools, a comprehensive Bayesian toolkit for the analysis of macroevolutionary rates from phylogenetic data ([www.bamm-project.org](http://www.bamm-project.org))
- 2006-2012 Developer of LASER package for R programming environment (Likelihood Analysis of Speciation and Extinction Rates); <http://cran.r-project.org/web/packages/laser/index.html>
- 2007 Comparative Methods R Hackathon, a working group to develop and implement comparative methods in R. NESCent, Durham, NC

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**PRESENTATIONS**
**INVITED SEMINARS**

- 2017 University of Colorado, Boulder  
 2016 Graduate Student Invited Speaker, Dept of Biological Sciences, Auburn University  
 2015 Department of Biology, University of Kentucky  
 2015 Department of Ecology and Evolutionary Biology, Cornell University  
 2014 W. J. Sollas Lecture in Earth Sciences, University of Bristol  
 2014 Distinguished Lecture in Evolutionary Ecology, Department of Biology, University of North Carolina - Chapel Hill  
 2014 Graduate Student Invited Speaker, Dept of Plant Biology, Univ Texas - Austin  
 2014 Graduate Student Invited Speaker, Museum of Natural Science, Louisiana State University  
 2014 Department of Ecology and Evolutionary Biology, University of Kansas  
 2013 Department of Ecology, Evolution, and Organismic Biology, Ohio State University  
 2013 Department of Organismic and Evolutionary Biology, Harvard University  
 2012 American Museum of Natural History, Richard Gilder Graduate School, NY  
 2012 Evolutionary Biology Unit, University of Adelaide  
 2012 Division of Ecology, Evolution, and Genetics, Australian National University  
 2012 California Academy of Sciences  
 2012 Dept of Integrative Biology, Univ. California, Berkeley  
 2011 Dept of Biology, University of Florida (graduate student invited speaker)  
 2011 Department of Ecology & Evolutionary Biology, UC Santa Cruz  
 2011 Department of Ecology and Evolution, University of Chicago



2010 Dept of Environmental Sciences, Policy, and Management, UC Berkeley  
 2010 Committee on Evolutionary Biology, University of Chicago  
 2010 Center for Population Biology, University of California, Davis  
 2010 Department of Ecology & Evolutionary Biology, University of Michigan  
 2010 Systematische Botanik, Munich, Germany  
 2010 Institute for Systematic Botany, University of Zurich, Switzerland  
 2010 Department of Ecology and Evolution, University of Lausanne, Switzerland  
 2010 Museum of Vertebrate Zoology, University of California, Berkeley  
 2010 Department of Biology, Duke University  
 2009 Department of Biology, San Francisco State University  
 2009 Dept. of Ecology and Evolutionary Biology, University of Tennessee  
 2009 Department of Ecology and Evolution, University of California, Los Angeles  
 2009 Department of Biology, University of California, Riverside  
 2009 Department of Ecology and Evolutionary Biology, Cornell University  
 2008 Museum of Vertebrate Zoology, University of California, Berkeley  
 2008 Center for the Environment, Harvard University  
 2008 Department of Ecology and Evolutionary Biology, University of Connecticut  
 2008 Biology Department, Ithaca College  
 2007 Australia-Melanesia Connections working group, CSIRO, Canberra, Australia  
 2006 Evolutionary Biology Unit, University of Adelaide, Australia  
 2004 Evolutionary Biology Unit, University of Adelaide, Australia

#### **INVITED PAPERS AND PLENARY TALKS**

2015 Symposium: Biotic Interactions, Geological Society of America (Baltimore, MD)  
 2015 Symposium: Frontiers in Herpetology, Society for the Study of Reptiles and Amphibians (Lawrence, Kansas)  
 2015 Plenary, International Biogeographical Society (Bayreuth, Germany)  
 2014 Plenary, Linnean Society, London  
 2014 Symposium: Evolutionary Radiations, University of Zurich  
 2014 Symposium: Phylogenetics & Ecology, American Society of Naturalists  
 2013 Symposium: Historical assembly of North American Avifauna, American Ornithologists' Union, Chicago  
 2012 Keynote Lecture, Italian Evolutionary Biology Society, Ferrara, Italy  
 2012 Dobzhansky Prize Lecture, Society for the Study of Evolution, Ottawa, Canada  
 2010 Frontiers in Biodiversity Symposium, University of Barcelona  
 2010 Young Investigator Symposium, American Society of Naturalists meeting, Portland

#### **INVITED DEBATES**

2014 Protagonist: Presidential Debate on "Ecological controls on the assembly of continental biotas", American Society of Naturalists (Asilomar, California)

#### **OTHER CONFERENCE PRESENTATIONS**

2016 Society for the Study of Evolution, Austin TX  
 2011 Society for the Study of Evolution, Norman, Oklahoma  
 2009 Society for Systematic Biologists, University of Idaho  
 2008 American Society of Ichthyologists and Herpetologists, Montreal  
 2008 Society for the Study of Evolution, University of Minnesota, Minneapolis  
 2008 Ecology and Evolution Graduate Symposium, Cornell University  
 2008 Tree Thinking at Cornell Phylogenetics Symposium, Cornell University  
 2007 Ecology and Evolution Graduate Symposium, Cornell University

2006	Society for the Study of Evolution, Stony Brook University, Stony Brook
2005	Society for the Study of Evolution, University of Alaska, Fairbanks
1999	Society for the Study of Evolution, University of Wisconsin, Madison
1999	Society for Integrative and Comparative Biology, Denver
1998	Ohio Academy of Sciences, Columbus

**SYMPOSIA ORGANIZED**

2014	"Beyond reproductive isolation: microevolutionary controls on macroevolutionary speciation dynamics", American Society of Naturalists symposium (Raleigh, NC)
2009	"Methodological advances and conceptual frameworks for studying exceptional diversification", Society of Systematic Biologists symposium (University of Idaho)

**INVITED WORKSHOPS**

2010	"Island Biodiversity Dynamics", UC Berkeley
2010	"Diversification of Australia's Biota and Conservation Implications", University of Adelaide, Adelaide, Australia
2008	"Outstanding Questions in Speciation", Centre for Population Biology, Imperial College, London
2007	"Australia-Melanesia Connections", CSIRO, Canberra, Australia
2007	"Comparative Methods in R Hackathon", NESCent, Durham

**STUDENT DEVELOPMENT****POSTDOC**

2016-	Talia Moore
2016-	Michael Harvey
2015-	Sonal Singhal
2015-	Rudolf von May
2015-	Jonathan Mitchell
2012-2015	Huateng Huang
2013-2014	Carlos Anderson

**GRADUATE**

2012-	Pascal Title, PhD (expected 2018)
2012-	Jeff Shi, PhD (expected 2017)
2013-	Joanna Larson, PhD (expected 2018)
2014-	Iris Holmes, PhD (expected 2019)
2014-	Michael Grundler, PhD (expected 2019)
2014-2015	Bryan Juarez, MS

**PhD COMMITTEES**

2012-	Jingchun Li, University of Michigan [Major advisor: Diarmaid O'Foighil]
2012-	Paula Teicholtz, University of Michigan [Major advisor: Thomas Duda]
2013-	Tara Smiley, University of Michigan [Major advisor: Catherine Badgley]

**PROFESSIONAL SERVICE****EDITORIAL SERVICE**

Associate Editor, <i>Evolution</i> (2015-2018)
Associate Editor, <i>Proceedings of the Royal Society B</i> (2011-2014)

Associate Editor, Systematic Biology (2010 Special Issue)

***REFeree SERVICE (JOURNALS AND BOOKS)***

American Journal of Botany; American Naturalist; Auk; Ornithological Advances; Bioinformatics; Biological Journal of the Linnean Society; Biological Reviews; Biology Letters; BMC Evolutionary Biology; Cambridge University Press; Cornell University Press; Ecological Monographs; Ecology; Ecology Letters; Ecoscience; Evolution; Evolutionary Bioinformatics; Evolutionary Biology; Global Ecology and Biogeography; Journal of Animal Ecology; Journal of Biogeography; Journal of Experimental Zoology; Journal of Evolutionary Biology; Methods in Ecology and Evolution; Molecular Biology and Evolution; Molecular Ecology Notes; Molecular Phylogenetics and Evolution; Nature; Nature Communications; PeerJ; PLoS Biology; PLoS ONE; Proc. Natl. Acad. Sci. U.S.A.; Proceedings of the Royal Society B Biological Sciences; Science; Systematic Biology; Trends in Ecology and Evolution; University of California Press

***REFeree SERVICE (GRANTS)***

Cornell College of Agriculture and Life Sciences Mellon grants; European Research Council; Leverhulme Trust; Neotropical Grasslands Conservancy; NSF (ad hoc reviewer + panel service); Sigma Xi

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**UNIVERSITY SERVICE**

2015 - 2017 Graduate Affairs Committee, EEB, Univ. Michigan  
2015 - Member, U-M Council for Disability Concerns  
2015 - 2016 Faculty content reviewer for redesign of U-M Museum of Natural History  
2013 - 2015 EEB Executive Committee  
2012 - 2013 EEB Prelim Committee

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**MAJOR CURATORIAL ACTIVITIES, U-M MUSEUM OF ZOOLOGY**

2016 - Organized & led two expeditions to Peruvian Amazon (~2000 specimens for UMMZ)  
2015- Supervised georeferencing of UMMZ herpetology resources (now >90% complete)  
2015 Organized & led expedition to arid Australia (~250 specimens for UMMZ)  
2013 Organized & led expedition to arid Australia (~250 specimens for UMMZ)  
2012- Provided leadership and management for UMMZ reptile & amphibian collections, the second largest research collection in the world (430,000 specimens)

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