

Brian C. Oâ€™Meara

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Research

I address questions in evolutionary biology through development, implementation, and application of new phylogenetic methods. These include approaches for examining the process of continuous trait evolution (rate, optimal values, and other factors), species delimitation, phylogeography, diversification analyses, biogeography, and more. I also collaborate extensively with empiricists, including some of my own students.

Summary

Publications 38 journal articles, including *Science*, *Nature*, *Ann. Rev. Ecology & Systematics*, *Systematic Biology*, *Evolution*, etc.
Teaching Approximately 3 courses per year on average, ranging from large introductory biology courses to small graduate seminars
Mentoring 4 PhD students, 15 postdocs, and served on 27 graduate student committees
Service/Outreach Darwin Day TN advisor, co-organizer of women in science symposium, workshops, and other activities, co-organizer for scientific meetings, curator of R phylogenetics task view, instructor at workshops in Sweden, Switzerland, Brazil, and various US locations (Ohio, TN, NC)
Leadership Associate Head for Dept. of Ecology & Evolutionary Biology, 2016-present; Associate Director for the National Institute for Mathematical and Biological Synthesis, 2016-present; Code of Conduct Committee for SSE/SSB/ASN, 2018-present; Communications Director for the Society of Systematic Biologists, 2016-2017; Society of Systematic Biologists Council, 2012-2014; iEvolution co-organizer, 2014-2016.
Funding \$2.67M in external support, including 5 NSF grants (including a CAREER grant) plus funding from iPlant and Encyclopedia of Life
Achievements Number of citations ~3200; h-index ~20; 107 public github repos; iRA's number ~4; papers have been tweeted about 933 times, and have been mentioned 30 times in the news

Education

University of California Davis: PhD (2008) in Population Biology
Harvard University: Bachelor (magna cum laude), with highest honors in Biology (2001)

Employment

2016-Present: Associate Director, Dept. of National Institute for Mathematical and Biological Synthesis (NIMBioS), University of Tennessee, Knoxville, TN
2016-Present: Associate Head, Dept. of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, TN
2015-Present: Associate Professor, Dept. of Ecology & Evolutionary Biology, University of Tennessee, Knoxville, TN
2009-2015: Assistant Professor, Dept. of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, TN
2007-2009: Postdoc, National Evolutionary Synthesis Center, Durham, NC

Publications: Papers

According to Google Scholar, my work has been cited 3299 times, and my h-index is 20. (Google Scholar tends to overestimate citations, however). Also note that I work under a very stringent criterion for when I get authorship â€” I have to actively make a significant contribution to the research and writing to merit authorship. For example, in 2015-6, three lab members had papers in *Science* ([grad student Sam Dorazio](#), [postdoc Nick Matzke](#), and [postdoc Samtzi Keanou](#)) but I am, appropriately to my mind, not an author on any of these.

Beaulieu, J. M. and B. C. Oâ€™Meara (2018). â€œCan we build it? Yes we can, but should we use it? Assessing the quality and value of a very large phylogeny of campanulid angiospermsâ€. In: *American Journal of Botany* 105.3, pp.417-432.

Jackson, N. D., A. E. Morales, B. C. Carstens and B. C. Oâ€™Meara (2017). â€œiPhyRAPL: Phylogenetic Inference Using Approximate Likelihoodâ€. In: *Systematic Biology* 66.6, pp.1045-1053.

Carstens, B. C., A. E. Morales, N. D. Jackson and B. C. Oâ€™Meara (2017). â€œiObject: objective choice of phylogeographic modelâ€. In: *Molecular Phylogenetics and Evolution* 116, pp.136-140.

Bosco, J. M., S. E. Richert and B. C. Oâ€™Meara (2017). â€œThe ontogeny of personality traits in the desert funnel-web spider, *Agelenopsis* lisa (Araneae: Agelenidae)â€. In: *Ecology* 123.9. Ed. by E. Hebets, pp.648-658.

Schreyer, O. and B. C. Oâ€™Meara (2016). â€œiMetaPhy: a simple R package to find and visualize monophyly issuesâ€. In: *PeerJ Computer Science* 2, p.4.c56.

Oâ€™Meara, B. C., S. D. Smith, W. S. Armbruster, L. D. Harder, C. R. Hardy, L. C. Hileman, L. Huffard, A. Litt, S. Magall  n, S. A. Smith, P. F. Stevens, C. B. Fenster and K. P. Diggle (2016). â€œNon-equilibrium dynamics and floral trait interactions shape extant angiosperm diversityâ€. In: *Proceedings of the Royal Society B: Biological Sciences* 283.1830, p.20152304.

Oâ€™Meara, B. C. and J. M. Beaulieu (2016). â€œiPast, future, and present of state-dependent models of diversificationâ€. In: *American Journal of Botany* 103.5, pp.792-795.

Morales, A. E., N. D. Jackson, T. A. Dewey, B. C. Oâ€™Meara and B. C. Carstens (2016). â€œiSpecies with Gene Flow in North America Myotis Batâ€. In: *Systematic Biology*, p.s.vw100.

Jackson, N. D., B. C. Carstens, A. E. Morales and B. C. Oâ€™Meara (2016). â€œiSpecies Delineation with Gene Flowâ€. In: *Systematic Biology*, p.  v117.

Beaulieu, J. M. and B. C. Oâ€™Meara (2016). â€œiDetecting Hidden Diversification Shifts in Models of Trait-Dependent Speciation and Extinctionâ€. In: *Systematic Biology* 65.4, pp.  583-601.

Zanne, A. E., D. C. Tank, W. K. Cornwell, J. M. Eastman, S. A. Smith, R. G. FitzJohn, D. J. McGlinn, B. C. Oâ€™Meara, A. T. Moles, P. B. Reich, D. L. Royer, D. E. Soltis, P. F. Stevens, M. Westoby, I. J. Wright, L. Aarssen, R. I. Bertin, A. Calaminius, R. Govaerts, F. Hemmings, M. R. Leishman, J. Oleksyn, P. S. Soltis, N. G. Swenson, L. Warman and J. M. Beaulieu (2015). â€œiZanne et al.    replyâ€. In: *Nature* 521.7552, pp.   E6-E7.

Zanne, A. E., D. C. Tank, W. K. Cornwell, J. M. Eastman, S. A. Smith, R. G. FitzJohn, D. J. McGlinn, B. C. Oâ€™Meara, A. T. Moles, P. B. Reich, D. L. Royer, D. E. Soltis, P. F. Stevens, M. Westoby, I. J. Wright, L. Aarssen, R. I. Bertin, A. Calaminius, R. Govaerts, F. Hemmings, M. R. Leishman, J. Oleksyn, P. S. Soltis, N. G. Swenson, L. Warman and J. M. Beaulieu (2015). â€œiCorrigendum: Three keys to the radiation of angiosperms into freezing environmentsâ€. In: *Nature* 521.7552, p.   380-380.

Oâ€™Meara, B. C., K. L. Graham, S. M. Pellis and G. M. Burghardt (2015). â€œiEvolutionary models for the retention of aduolocial play in primates: The roles of diet and other factors associated with resource acquisitionâ€. In: *Adaptive Behavior* 23.6, pp.   381-391.

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Beaulieu, J. M. B. C. Oâ€™Meara, P. Crane and M. J. Donoghue (2015). â€œiHeterogeneous Rates of Molecular Evolution and Diversification Could Explain the Triassic Age Estimate for Angiospermsâ€. In: *Systematic Biology* 64.5, pp.   869-878.

Beaulieu, J. M. and B. C. Oâ€™Meara (2015). â€œiExtinction can be estimated from moderately sized molecular phylogeniesâ€. In: *Evolution* 69.4, pp.   1036-1043.

Aldrovandi, M. S. P., J. E. Johnson, B. Omeara, R. H. Petersen and W. Hughes (2015). â€œiThe Xerophthalma campanula kauffmanni complex: species delineation and biogeographical patterns of speciationâ€. In: *Mycologia* 107.6, pp.   1270-1284.

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Williams, J. H. M. L. Taylor and B. C. Oâ€™Meara (2014). â€œiRepealed evolution of tricolular (and bicellular) pollenâ€. In: *American Journal of Botany* 101.4, pp.   559-571.

Jhwang, D. S., Huanarazar, B. C. Oâ€™Meara and L. Lin (2014). â€œiInvestigating the performance of AIC in selecting phylogenetic modelâ€. In: *Statistical Applications in Genetics and Molecular Biology* 13.4.

Cornwell, W. K., M. Westoby, D. S. Falster, R. G. FitzJohn, B. C. Oâ€™Meara, M. W. Pennell, D. J. McGlinn, J. M. Eastman, A. T. Moles, P. B. Reich, D. C. Tank, I. J. Wright, L. Aarssen, J. M. Beaulieu, R. M. Koyman, M. R. Leishman, E. T. Miller, A. Re. Niinemets, J. Oleksyn, A. Ord  n, D. L. Royer, S. A. Smith, P. F. Stevens, L. Warman, P. Wilf and A. E. Zanne (2014). â€œiFunctional distinctiveness of major plant lineagesâ€. In: *Journal of Ecology* 102.2. Ed. by A. Austin, pp.   345-356.

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Soltis, D. E., M. E. Mort, M. Lavris, E. V. Mavrodiev, B. C. Oâ€™Meara, P. S. Soltis, J. G. Burleigh and R. R. de Casas (2013). â€œiPhylogenetic relationships and character evolution of Scitaginaceae using a supermatrix approachâ€. In: *American Journal of Botany* 100.5, pp.   916-929.

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Storliefs, A. B. Oâ€™Meara, J. Whitacre, R. Mounce, E. L. Gillespie, S. Kumar, D. F. Rousner and R. A. Vos (2012). â€œiSharing and re-use of phylogenetic trees (and associated data) to facilitate synthesisâ€. In: *BMC Research Notes* 5.1, p.   574.

Smith, S. A. and B. C. Oâ€™Meara (2012). â€œiTreePL: divergence time estimation using penalized likelihood for large phylogeniesâ€. In: *Bioinformatics* 28.20, pp.   2689-2690.

Oâ€™Meara, B. C. (2012). â€œiEvolutionary Inferences from Phylogenies: A Review of Methodâ€. In: *Annual Review of Ecology, Evolution, and Systematics* 43.1, pp.   267-285.

Beaulieu, J. M. D. Jhwang, C. Beattie and B. C. Oâ€™Meara (2012). â€œiMODELING STABILIZING SELECTION: EXPANDING THE ORNSTEIN-UHLENBECK MODEL OF ADAPTIVE EVOLUTIONâ€. In: *Evolution* 66.8, pp.   2369-2383.

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Go  t, S. A., M. Vaughn, S. McKay, E. Lyons, A. E. Stapleton, D. Gossler, N. Matsci, L. Wang, M. Hannon, A. Lenards, A. Muir, N. Merchant, S. Lowry, S. Mock, M. H  hner, A. Kahak, M. N  rn, N. Hopkins, D. Micklos, U. Hilgert, M. Gonz  lez, C. Jordan, E. Shidmore, R. Dooley, J. Cazes, R. McLay, Z. Lu, S. Paternak, L. Kosterke, W. H. Piel, R. Greene, C. Noutos, K. Gendler, X. Feng, C. Tang, M. Lent, S. Kim, K. G  rk  k, B. S. Manjima, M. S  nderos, M. S  nderos, M. Welsch, K. A. Cannon, P. Soltis, B. Oâ€™Meara, C. Aice, T. Brant  l, D. J. Kichenb  n, J. W. White, J. Leebens-Mack, M. J. Donoghue, E. P. Spalding, T. J. Vries, C. R. Myers, D. Lorenthal, B. J. Equiset, B. Andrews, S. Ram, D. Ware, L. Stein and D. Samsone (2011). â€œiThe iPlant Collaborative: Cyberinfrastructure for Plant Biologyâ€. In: *Frontiers in Plant Science* 2.

Aberornie, J. M. B. C. Oâ€™Meara, A. R. Moffatt and J. H. Williams (2011). â€œiDevelopmental evolution of flowering plant pollen tube cell walls: callose synthase (CaS) gene expression patternsâ€. In: *EvoDevo* 2.1, p.   14.

COLLAR, D. C. J. A. SCHULTE, B. C. Oâ€™MEARA and J. B. LOSOS (2010). â€œiHabitat use affects morphological diversification in dragon lizardsâ€. In: *Journal of Evolutionary Biology* 23.5, pp.   1033-1049.

Smith, S. A. and B. C. Oâ€™Meara (2009). â€œiMorphogenesis, monophyly, and macroevolutionâ€. In: *Proceedings of the National Academy of Sciences* 106.36, pp.   E97-E98.

Oâ€™Meara, B. C. (2009). â€œiNew Heuristic Methods for Joint Species Delineation and Species Tree Inferenceâ€. In: *Systematic Biology* 59.1, pp.   59-73.

Collar, D. C. B. C. Oâ€™Meara, P. C. Wainwright and T. J. Near (2009). â€œiPISCIVORY LIMITS DIVERSIFICATION OF FEEDING MORPHOLOGY IN CENTRARCHID FISHESâ€. In: *Evolution* 63.6, pp.   1557-1573.

Oâ€™Meara, B. C., C. A. A  , M. J. Sanderson and P. C. Wainwright (2006). â€œiTESTING FOR DIFFERENT RATES OF CONTINUOUS TRAIT EVOLUTION USING LIKELIHOODâ€. In: *Evolution* 60.5, p.   922.

Drake  ll, A. C. (2004). â€œiProspects for Building the Tree of Life from Large Sequence Databasesâ€. In: *Science* 306.5699, pp.   1172-1174.

Publications: Books or Book Chapters

Catano, D. B. Oâ€™Meara and J. Beaulieu (2018). â€œiHidden state models improve the adequacy of state-dependent diversification approaches using empirical trees, including biogeographical modelâ€. In: *bioRxiv*.

Oâ€™Meara, B. C. and J. M. Beaulieu (2014). â€œiModelling Stabilizing Selection: The Attraction of Ornstein-Uhlenbeck Modelâ€. In: *Modern Phylogenetic Comparative Methods and Their Application in Evolutionary Biology: Concepts and Practice*. Ed. by L. Z. Garamszegi. Berlin, Heidelberg: Springer Berlin Heidelberg, pp.   381-393. ISBN: 978-3-662-43550-2.

Beaulieu, J. M. and B. C. Oâ€™Meara (2014). â€œiHidden Markov Models for Studying the Evolution of Binary Morphological Charactersâ€. In: *Modern Phylogenetic Comparative Methods and Their Application in Evolutionary Biology: Concepts and Practice*. Ed. by L. Z. Garamszegi. Berlin, Heidelberg: Springer Berlin Heidelberg, pp.   395-408. ISBN: 978-3-662-43550-2.

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Oâ€™Meara, B. (2008). â€œiPhD Dissertation: Using Trees: Myrmecocystus Phylogeny and Character Evolution and New Methods for Investigating Trait Evolution and Species Delineationâ€. In: *Nature Precedings*.

Teaching

University Courses

I created a course on macroevolution targeted at upper level undergraduate and graduate students: we cover diversification, symbiosis, game theory, and more. I have also taught large introductory courses and small discussion seminars. Note that the â€œiEvHOFF joint lab group discussionâ€ was a collaborative lab group meeting of the Huber-Oâ€™Meara-Fordyce-Fitzpatrick labs.

Year	Semester	Course Number	Topic	
2019 Spring	EEB603	PhyloMeth		2
2018 Spring	EEB504	PhyloMeth		5
2017 Fall	EEB464	Macroevolution		23
2017 Spring	EEB603	PhyloMeth		6
2017 Spring	EEB504	PhyloMeth		2
2016 Fall	EEB464	Macroevolution		28
2016 Spring	Biology150	Introductory biology		235
2016 Spring	EEB603	PhyloMeth		9
2015 Fall	EEB464	Macroevolution		27
2015 Fall	EEB607	Phylogenetic discussion		10
2015 Spring	EEB602	Phylogenetic discussion		13
2015 Spring	EEB607	HOFF joint lab group discussion		8
2014 Fall	EEB464	Macroevolution		28
2014 Fall	EEB504	HOFF joint lab group discussion		9
2014 Fall	EEB511	Graduate student core		12
2014 Fall	EEB607	Phylogenetic discussion		15
2014 Spring	Biology130	Introductory biology		94
2014 Spring	EEB602	Phylogenetic discussion		24
2014 Spring	EEB607	HOFF joint lab group discussion		6
2013 Fall	EEB464	Macroevolution		30
2013 Fall	EEB504	HOFF joint lab group discussion		11
2013 Fall	EEB511	Graduate student core		19
2013 Spring	EEB607	HOFF joint lab group discussion		8
2012 Fall	EEB464	Macroevolution		22
2012 Fall	EEB504	HOFF joint lab group discussion		5
2012 Fall	EEB511	Graduate student core		14
2012 Spring	Biology130	Introductory biology		206
2011 Fall	EEB464	Macroevolution		24
2011 Fall	EEB504	HOFF joint lab group discussion		7
2011 Fall	EEB503	EEB departmental seminar		44
2011 Fall	EEB511	Graduate student core		12
2011 Spring	EEB503	EEB departmental seminar		35
2011 Spring	EEB607	Speciation discussion		9
2010 Fall	EEB511	Graduate student core		8
2010 Spring	EEB607	Speciation discussion		13
2010 Spring	EEB409	Macroevolution		13

Workshops

I organize and/or participate in numerous workshops or tutorials.

Year	Location	Topic	Role
2018 Friday Harbor, WA		Evolutionary Quantitative Genetics workshop	Instructor
2017 Friday Harbor, WA		Evolutionary Quantitative Genetics workshop	Instructor
2017 Baton Rouge, LA		PHRAPL	Organizer/instructor
2016 Knoxville, TN		Evolutionary Quantitative Genetics workshop at NIMBioS	Instructor
2015 Ann Arbor, MI		Comparative methods in R, SSI satellite meeting	Organizer/instructor
2015 Knoxville, TN		Evolutionary Quantitative Genetics workshop at NIMBioS	Instructor
2015 Guanaja, Brazil		SSB-sponsored phylogeography workshop at Evolution meetings	Instructor
2014 Knoxville, TN		Evolutionary Quantitative Genetics workshop at NIMBioS	Instructor
2014 Knoxville, TN		Computing in the Cloud NIMBioS Tutorial	Co-organizer/instructor
2014 Columbus, OH		PHRAPL workshop	Co-organizer/instructor
2013 Lausanne, Switzerland		Marker processes in phylogenetics	Instructor
2013 Vienna, Austria		eLower Summer School	Remote instructor
2013 Knoxville, TN		Evolutionary Quantitative Genetics workshop at NESCent	Instructor
2010 Knoxville, TN		Fast, Free Phylogenies: HPC for Phylogenetics NIMBioS Tutorial	Organizer/instructor
2010 G��ttingen, Sweden		Species delimitation	Remote instructor

Year	Location	Topic	Instructor	Role
2008	Durham, NC	Computational phylogenomics at NESCent		
2008	Bodega Bay, CA	Bodega Bay Workshop in Applied Phylogenetics		Instructor
2007	Bodega Bay, CA	Bodega Bay Workshop in Applied Phylogenetics		Instructor
2007	Davis, CA	Phylogenomics and its relevance to systematologists		Instructor
2006	Bodega Bay, CA	Bodega Bay Workshop in Applied Phylogenetics		Instructor
2006	Davis, CA	Model selection workshop		Organizer
2005	Bodega Bay, CA	Bodega Bay Workshop in Applied Phylogenetics		Instructor

Funding

This is all in addition to other **funding my students have gotten** (NSF EAPSI grant, fellowships from NIMBioS and PEER (an NIH-funded program at UTK), Google Summer of Code funding), **funding for workshops or working groups** (from NIMBioS and the Society for Systematic Biologists), and **funding I got before my faculty position** (NESCent postdoctoral fellowship, NSF DDG, NSF GRF, and various internal grants at UC Davis). Total external funding, so far, as a faculty member is \$2,673,854.

Year	Title	Funder	Amount
2018	Phylostatic subaward	University of Maryland	\$165,492
2015	CAREER: Reducing barriers for comparative methods (PI)	NSF	\$738,000
2015	Collaborative Research: ABI Development: An open infrastructure to disseminate phylogenetic knowledge	NSF	\$148,101
2014	Population genetics-based codon models	NSF	\$470,000
2013	R interface to Encyclopedia of Life (Rubenstein Fellowship)	Encyclopedia of Life	\$50,000
2013	Collaborative Research: Phylogeographic Inference Using Approximated Likelihoods	NSF	\$340,000
2012	iPlant	iPlant	\$98,252
2012	Historical naming traditions and cryptic speciation bias biodiversity estimates in transatlantic aquatic fungi	NSF	\$393,074
2011	iPlant: Trait evolution group, year 2	iPlant	\$138,590
2010	iPlant: Trait evolution group, year 1	iPlant	\$132,545

##Presentations

Bold indicates presentation was delivered by me; otherwise, I was a coauthor. Also see various workshops under teaching.

June 2018: Talk on DateLife project for getting chromosomes for the tree of life. Presented at the Society of Systematic Biologists meeting in Columbus, OH. Luna Sanchez Garcia & Brian OlfTMMearns.

June 2017: Poster on inference of amino acid functionality from DNA sequences using a novel phylogenetic approach at the Society for Molecular Biology and Evolution meeting in Austin, TX. Cedric Landerer, Jeremy Beaulieu, Brian OlfTMMearns, Mike Glichsch.

June 2017: Symposium talk on phylogenetic networks at Evolution 2017 meeting: co-lead author was Totty Jhuweng.

March 2017: Invited talk on three projects at U. of Idaho, Moscow.

September 2016: Symposium talk on Approximate Bayesian computation for trait evolution on phylogenies at Geological Society of America annual meeting.

August 2016: Talk on linking leaf spectra to phylogenies at Ecological Society of America 2016 annual meeting. Jose Eduardo Meireles, Brian OlfTMMearns, Anna Schweigert, Aditya Singh, Phil Townsend, Susan Utin, Michael Schaeppman, Franziska Schrodt, John Gamon and Jeanine Cavender-Bares.

September 2015: Talk on heterogeneity at Texas A&M

June 2014: Talk on floral evolution at Evolution 2014 meeting; co-lead author was Stacey Smith, coauthors were W SArmbruster, I. Harder, C Hardy, L. Hileman, L. Hufford, A Litt, S Magallon, S Smith, P Stevens, C Fenster, P Diggle.

June 2014: Talk on phylogeography at Evolution 2014 meeting; lead author and speaker was Nathan Jackson, other authors were A. Garcia, B. Carstens, and B. OlfTMMearns.

June 2014: Talk on biogeography at Evolution 2014; lead author and speaker was Katie Masana (grad student), coauthors were J. Beaulieu, B. OlfTMMearns, and N. Matzke.

June 2014: Talk on Hawaiian island plant immigration at Evolution 2014; lead author and speaker was Jeremy Beaulieu, coauthor was Brian OlfTMMearns.

May 2014: Smithsonian Phylopizza

June, 2013: Symposium talk on species delimitation, Evolution meetings

Aug.Â 2012: Invited talk on comparative methods, Institute of Bioinformatics, U. of Georgia

June, 2012: Symposium talk on ABC and comparative methods, Evolution meetings

March, 2011: Phyloseminar talk on ABC and comparative methods. Apple Keynote and PDF.

May, 2010: Talk on phylogenetics and iPTol. at iPlant meeting in Las Vegas

April, 2010: Invited talk on species delimitation at Louisiana State University

Nov., 2009: Talk at NIMBioS about species delimitation and species tree inference

Mar., 2009: Talk to UT Knoxville EEB

June, 2008: Talk at Evolution 2008 in Minnesota

June, 2008: Poster at Evolution 2008 in Minnesota

June, 2008: Invited Joel Keizer Prize in Theoretical Biology lecture at University of California, Davis

May, 2008: Invited symposium talk at Interface 2008 [statistics conference] in NC

April, 2008: Invited talk to the Organismic and Evolutionary Biology department at Harvard U.

Jan., 2008: Invited symposium talk at Society for Integrative and Comparative Biology meeting in TX

Oct., 2007: Invited talk at Duke Systematics Discussion Group

Oct., 2007: Talk at NESCent brown bag lunch series

June, 2007: Exit seminar

June, 2006: Talk at Evolution 2006 in NY

Feb., 2006: Poster at CIPRES all hands meeting in TX

July, 2005: Talk at CIPRES-funded graduate student meeting in NM

June, 2005: Talk on Browine at Evolution meetings in Alaska.

Dec., 2004: Presentation at the Bay Area Biostatisticians meeting

Dec., 2001: Talk at Entomology Society of America national meeting in CA

June, 2001: Poster at Evolution 2001 in TN

Dec., 2000: Poster at the Entomology Society of America national meeting in Canada

Mentoring, Faculty

Our department now has faculty mentored by a committee of later career faculty. I have served on several

Name	Department
Lu Derypherry	EEB
Stephanie Krivlin	EEB
Kimberly Sheldon	EEB

Mentoring, Postdocs

I have mentored numerous postdocs off of my own grants and/or as one of their chosen NIMBioS mentors. Note that NIMBioS postdocs pursue independent research projects but choose one faculty member to mentor them in math and another to mentor them in biology (I have served in both roles).

Name	Duration	NIMBioS	Current Position
Bryan Alcantilla	2011-2012	N	Assistant Professor North Seattle College
Buck Bonhury	2010-2012	N	Statistical Analyst at Fred Hutch
David Bapst	2017-present	N	
Jazmine Hamilton	2012-2016	Both	Assistant Professor at U. of Arkansas
Jasonson (JL) Lutskevich (formerly Chai)	2011-2015	Y	Quantitative Analyst at Quantamental Technologies LLC
Dominic Evangelista	2018-present	Y	
Nathan Jackson	2013-2016	N	Researcher at National Jewish Health
Luna Jhuweng	2009-2011	Y	Assistant Professor Feng Chia U., Taiwan
Sandy Karama	2014-2016	Y	Starting as Assistant Professor at CSU Long Beach in Aug.Â 2017
Michelle Lawing	2012-2014	Y	Assistant Professor Texas A&M
Ryan Martin	2012-2013	Y	Assistant Professor Case Western U.
Nick Munkittrick	2013-2015	Y	DECRA Fellow at The Australian National University in Canberra
Meghan Riss	2015-2016	Y	Assistant Professor Wright State U
Luna Sanchez Reyes	2017-present	N	
Sergei Tarasov	2016-present	Y	NIMBioS postdoc

Mentoring, Grad students in my lab

Name	Stage	Time in Lab	Note
Sam Borstein	PhD student	2014-present	
Anna Hanna	PhD student	2012-2017	Co-advised with Susan Riechert
Katie Masana	PhD student	2012-2017	
Orlando Schrago	PhD student	2014-present	

Mentoring, Undergrad students in my lab

Name	Stage	Time in Lab	Note
Christian Yurba	Undergrad	2015-2016	

Mentoring, Grad student committees

In addition to my own students, of course.

Name	Department
Will Atwood	Geology
Jon Bauer	Geology
Sharon Clemmenssen	EEB
Troy Fadiga	Geology
Aaron Fladen	EEB
Nicholas Gladstone	Geology
Mauricio Gonzalez-Foreiro	EEB
Alanine Grace Grant	EEB
Phillip Hollingsworth	EEB
Whitaker Hoskins	EEB
Will Howell	EEB
Ivan Jurić	EEB
Cedric Landerer	EEB
Jasper Lee	Microbiology
Bryan Looney	EEB
Liam Mueller	EEB
Tyson Paulson	EEB
Todd Pearson	EEB
Ryan Rooney	Geology
Max Rupp	EEB
Geetha Sannayya S	GST
Leonidas Salichos	Vanderbilt
Mariel Sanchez-Garcia	EEB
Sarah Sheffield	Geology
Joshua Utley	GST
Jess Welch	EEB
Rachel Woodrver	EEB

Service

- Joint Code of Conduct committee for Society for the Study of Evolution, Society of Systematic Biologists, and American Society of Naturalists, 2018-present
- Communications Director for the Society of Systematic Biologists (SSB), 2016-2017
- Co-organizer of EvoSibio meeting, 2016
- Co-organizer of SSB symposium on Breaking Barriers: Empirical, Theoretical, and Gender Issues in Phylogenetics for Evolution meetings in Brazil, 2015
- Co-organizer of SSB satellite meeting in May, 2015
- Co-organizer of EvoSibio meeting (met with SSB) May 2015
- Co-organizer of Evolution meetings, 2014, including sole organizer for lightning talks
- Co-organizer of EvoSibio meeting, 2014
- Member of Phylostatic leadership team (group arranging hackathons for making trees more reusable), 2012-present
- Organizer of lightning talks for Evolution meetings, 2013
- UTK Faculty advisor for Darwin Day Tennessee, 2012-present
- UTK Department representative on Deans' advisory council, 2012-2014
- UTK EEB Undergraduate affairs committee, 2012-2013
- UTK EEB Graduate admissions committee, 2013-present
- Chair, UTK EEB Web committee, 2011-present
- Co-organizer of Comparative Methods in R hackathon, 2007
- Bay Area Biostatisticians Steering Committee: 2004-2007
- Secretary Cambridge Entomological Club, 2001-2002
- Reviewer for *Science*, *Heredity*, *Molecular Phylogenetics and Evolution*, *Systematic Biology*, *Evolution*, *Systematic Entomology*, *Proceedings of the Royal Society: Biological Sciences*, *US National Science Foundation*, and others.