CV

Brian O'Meara

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CV

Brian C. O'Meara

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Dept. of Ecology and Evolutionary Biology

University of Tennessee, Knoxville

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	34 journal articles, including *Science, Nature, Ann. Rev Ecology, Evolution & Systema*
Teaching	Approximately 2 courses per year on average, ranging from large introductory biology
Mentoring	4 PhD students, 16 postdocs, 3 faculty, and served on 29 graduate student committees
Service/Outreach	Darwin Day TN advisor, curator of R phylogenetics task view, instructor at workshops
Leadership	Associate Head for Dept. of Ecology & Evolutionary Biology, 2016-present; Associate H
Funding	$2.89M in external support, including 4 NSF grants (including a CAREER grant) plus

Education

University of California Davis: PhD (2008) in Population Biology

Harvard University: Bachelor (magna cum laude), with highest honors in Biology (2001)

Employment

2019-Present: Professor, Dept. of Ecology & Evolutionary Biology, University of Tennessee, Knoxville, TN

2016-Present: Associate Head, Dept. of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, TN

2016-2017: Associate Director, Dept. of National Institute for Mathematical and Biological Synthesis (NIMBioS), University of Tennessee, Knoxville, TN

2015-2019: 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

According to Google Scholar, my work has been cited 4206 times, and my h-index is 25. (Google Scholar tends to overestimate citations, however). Also note that I work under a very stringent criterion for when I get authorship – 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 Borstein, postdoc Nick Matzke, and postdoc Sandy Kawano) but I am, appropriately to my mind, not an author on any of these.

Papers

Authors	Year	Title, Journal	DOI	Citations
JM Beaulieu, BC O'Meara	2019	"Diversity and skepticism are vital for comparative biology: a response to Donoghue and Edwards (2019)" NA 106 (5), 613-617	10.1002/ajb2.1278	8

Authors	Year	Title, Journal	DOI	Citations
JM Beaulieu, BC O'Meara, R Zaretzki, C Landerer, J Chai, MA Gilchrist	2019	"Population genetics based phylogenetics under stabilizing selection for an optimal amino acid sequence: A nested modeling approach" NA 36 (4), 834-851	10.1093/molbev/msy222	2
SR Borstein, BC O'Meara	2018	"AnnotationBuster: An R package to extract subsequences from GenBank annotations" NA 6, e5179	10.7717/peerj.5179	1
JM Beaulieu, BC O'Meara	2018	"Can we build it? Yes we can, but should we use it? Assessing the quality and value of a very large phylogeny of campanulid angiosperms" NA 105 (3), 417-432	10.1002/ajb2.1021	12

Authors	Year	Title, Journal	DOI	Citations
JM Beaulieu, BC O'Meara	2018	"Can we build it? Yes we can, but should we use it? Assessing the quality and value of a very large phylogeny of campanulid angiosperms" NA 105 (3), 417-432	10.1002/ajb2.1021	12
DS Caetano, BC O'Meara, JM Beaulieu	2018	"Hidden state models improve state-dependent diversification approaches, including biogeographical models" NA 72 (11), 2308-2324	10.1111/evo.13601	16
ND Jackson, AE Morales, BC Carstens, BC O'Meara	2017	"PHRAPL: Phylogeographic Inference Using Approximate Likelihoods" NA 66 (6), 1045-1053	10.1093/sysbio/syx041	22
BC Carstens, AE Morales, ND Jackson, BC O'Meara	2017	"Objective choice of phylogeographic models" NA 116, 136-140	10.1016/j.ympev.2017.08.018	3

Authors	Year	Title, Journal	DOI	Citations
AE Morales, ND Jackson, TA Dewey, BC O'Meara, BC Carstens	2017	"Speciation with gene flow in North American Myotis bats" NA 66 (3), 440-452	10.1093/sysbio/syw100	30
ND Jackson, BC Carstens, AE Morales, BC O'Meara	2017	"Species delimitation with gene flow" NA 66 (5), 799-812	10.1093/sysbio/syx117	18
JM Bosco, SE Riechert, BC O'Meara	2017	"The ontogeny of personality traits in the desert funnel-web spider, Agelenopsis lisa (Araneae: Agelenidae)" NA 123 (9), 648-658	10.1111/eth.12639	9
O Schwery, BC O'Meara	2016	"MonoPhy : a simple R package to find and visualize monophyly issues" NA 2, e56	10.7717/peerj-cs.56	8
O Schwery, BC O'Meara	2016	"MonoPhy: A simple R package to find and visualize monophyly issues" NA 2, e56	10.7717/peerj-cs.56	8

Authors	Year	Title, Journal	DOI	Citations
JM Beaulieu, BC O'Meara	2016	"Detecting hidden diversification shifts in models of trait-dependent speciation and extinction" NA 65 (4), 583-601	10.1093/sysbio/syw022	156
BC O'Meara, SD Smith, WS Armbruster, LD Harder, CR Hardy, ...	2016	"Non-equilibrium dynamics and floral trait interactions shape extant angiosperm diversity" NA 283 (1830), 20152304	10.1098/rspb.2015.2304	35
BC O'Meara, JM Beaulieu	2016	"Past, future, and present of state-dependent models of diversification" NA 103 (5), 792-795	10.3732/ajb.1600052	18
	2015	"Erratum: Three keys to the radiation of angiosperms into freezing environments (Nature (2014) 506 (89-92) (Doi:10.1038/nature12872))" NA	10.1038/nature14371	1

Authors	Year	Title, Journal	DOI	Citations
BC O'Meara, KL Graham, SM Pellis, GM Burghardt	2015	"Evolutionary models for the retention of adult–adult social play in primates: The roles of diet and other factors associated with resource acquisition" NA 23 (6), 381-391	10.1177/1059712315611733	3
JM Beaulieu, BC O'Meara	2015	"Extinction can be estimated from moderately sized molecular phylogenies" NA 69 (4), 1036-1043	10.1111/evo.12616	8
JM Beaulieu, BC O'Meara, P Crane, MJ Donoghue	2015	"Heterogeneous rates of molecular evolution and diversification could explain the triassic age estimate for angiosperms" NA 64 (5), 869-878	10.1093/sysbio/syv027	5

Authors	Year	Title, Journal	DOI	Citations
MSP Aldrovandi, JE Johnson, B O'Meara, RH Petersen, KW Hughes	2015	"The Xeromphalina campanella/kauffmanii complex: Species delineation and biogeographical patterns of speciation" NA 107 (6), 1270-1284	10.3852/15-087	5
AE Zanne, DC Tank, WK Cornwell, JM Eastman, SA Smith, RG FitzJohn, ...	2015	"Zanne et al. reply" NA 521 (7552), E6	10.1038/nature14394	1
	2014	"Erratum: Three keys to the radiation of angiosperms into freezing environments (Nature (2014) 506 (89-92) DOI:10.1038/nature12872)" NA	10.1038/nature13842	NA
WK Cornwell, M Westoby, DS Falster, RG FitzJohn, BC O'Meara, ...	2014	"Functional distinctiveness of major plant lineages" NA 102 (2), 345-356	10.1111/1365-2745.12208	81

Authors	Year	Title, Journal	DOI	Citations
DC Jhwueng, S Huzurbazar, BC O'Meara, L Liu	2014	"Investigating the performance of AIC in selecting phylogenetic models" NA 13 (4), 459-475	10.1515/sagmb-2013-0048	5
BL Banbury, BC O'Meara	2014	"Reol: R interface to the encyclopedia of life" NA 4 (12), 2577-2583	10.1002/ece3.1103	9
JH Williams, ML Taylor, BC O'Meara	2014	"Repeated evolution of tricellular (and bicellular) pollen" NA 101 (4), 559-571	10.3732/ajb.1300423	42
AE Zanne, DC Tank, WK Cornwell, JM Eastman, SA Smith, RG FitzJohn, ...	2014	"Three keys to the radiation of angiosperms into freezing environments" NA 506 (7486), 89	10.1038/nature12872	268

Authors	Year	Title, Journal	DOI	Citations
JM Beaulieu, BC O'Meara, MJ Donoghue	2013	"Identifying hidden rate changes in the evolution of a binary morphological character: The evolution of plant habit in campanulid angiosperms" NA 62 (5), 725-737	10.1093/sysbio/syt034	140
C Darrin Hulsey, BP Keck, H Alamillo, BC O'Meara	2013	"Mitochondrial genome primers for Lake Malawi cichlids" NA 13 (3), 347-353	10.1111/1755-0998.12066	12
DE Soltis, ME Mort, M Latvis, EV Mavrodiev, BC O'Meara, PS Soltis, ...	2013	"Phylogenetic relationships and character evolution analysis of Saxifragales using a supermatrix approach" NA 100 (5), 916-929	10.3732/ajb.1300044	51
A Stoltzfus, H Lapp, N Matasci, H Deus, B Sidlauskas, CM Zmasek, ...	2013	"Phylotastic! Making tree-of-life knowledge accessible, reusable and convenient" NA 14 (1), 158	10.1186/1471-2105-14-158	26

Authors	Year	Title, Journal	DOI	Citations
BC O'Meara	2012	"Evolutionary inferences from phylogenies: a review of methods" NA 43, 267-285	10.1146/annurev-ecolsys-110411-160331	151
JM Beaulieu, DC Jhwueng, C Boettiger, BC O'Meara	2012	"Modeling stabilizing selection: Expanding the Ornstein-Uhlenbeck model of adaptive evolution" NA 66 (8), 2369-2383	10.1111/j.1558-5646.2012.01619.x	326
A Stoltzfus, B O'meara, J Whitacre, R Mounce, EL Gillespie, S Kumar, ...	2012	"Sharing and re-use of phylogenetic trees (and associated data) to facilitate synthesis" NA 5 (1), 574	10.1186/1756-0500-5-574	40
SA Smith, BC O'Meara	2012	"TreePL: Divergence time estimation using penalized likelihood for large phylogenies" NA 28 (20), 2689-2690	10.1093/bioinformatics/bts492	154

Authors	Year	Title, Journal	DOI	Citations
JC Stack, LJ Harmon, B O'Meara	2011	"RBrownie: an R package for testing hypotheses about rates of evolutionary change" NA 2 (6), 660-662	10.1111/j.2041-210x.2011.00112.x	11
JM Abercrombie, BC O'Meara, AR Moffatt, JH Williams	2011	"Developmental evolution of flowering plant pollen tube cell walls: Callose synthase (CalS) gene expression patterns" NA 2 (1), 14	10.1186/2041-9139-2-14	30
SA Goff, M Vaughn, S McKay, E Lyons, AE Stapleton, D Gessler, ...	2011	"The iPlant collaborative: Cyberinfrastructure for plant biology" NA 2, 34	10.3389/fpls.2011.00034	368
DC Collar, JA Schulte, BC O'meara, JB Losos	2010	"Habitat use affects morphological diversification in dragon lizards" NA 23 (5), 1033-1049	10.1111/j.1420-9101.2010.01971.x	60
BC O'Meara	2010	"New heuristic methods for joint species delimitation and species tree inference" NA 59 (1), 59-73	10.1093/sysbio/syp077	247

Authors	Year	Title, Journal	DOI	Citations
SA Smith, BC O'Meara	2009	"Morphogenera, monophyly, and macroevolution" NA 106 (36), E97-E98	10.1073/pnas.0906918106	46
DC Collar, BC O'Meara, PC Wainwright, TJ Near	2009	"Piscivory limits diversification of feeding morphology in centrarchid fishes" NA 63 (6), 1557-1573	10.1111/j.1558-5646.2009.00626.x	122
BC O'Meara, C Ané, MJ Sanderson, PC Wainwright	2006	"Testing for different rates of continuous trait evolution using likelihood" NA 60 (5), 922-933	10.1554/05-130.1	524
AC Driskell, C Ané, JG Burleigh, MM McMahon, BC O'Meara, ...	2004	"Prospects for building the tree of life from large sequence databases" NA 306 (5699), 1172-1174	10.1126/science.1102036	248

Authors	Year	Title, Journal	DOI	Citations
BD Farrell, AS Sequeira, BC O'Meara, BB Normark, JH Chung, BH Jordal	2001	"The evolution of agriculture in beetles (Curculionidae: Scolytinae and Platypodinae)" NA 55 (10), 2011-2027		356

Publications: Books or Book Chapters

Authors	Year	Title	Book
B O'Meara	2016	"Phylogenetic Comparative Method"	NA
JM Beaulieu, BC O'Meara	2014	"Hidden Markov Models for Studying the Evolution of Binary Morphological Characters"	NA
BC O'Meara, JM Beaulieu	2014	"Modelling Stabilizing Selection: The Attraction of Ornstein–Uhlenbeck Models"	NA
	2012	"Encyclopedia of theoretical ecology"	NA

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 "HOFF joint lab group discussion" was a collaborative lab group meeting of the Hulsey-O'Meara-Fordyce-Fitzpatrick labs.

Year	Semester	Course Number	Topic	Enrollment	Perc
2018	Fall	EEB464	Macroevolution	14	100
2018	Spring	EEB603	PhyloMeth	2	100
2018	Spring	EEB504	PhyloMeth	5	100
2017	Fall	EEB464	Macroevolution	23	100
2017	Spring	EEB603	PhyloMeth	6	100
2017	Spring	EEB504	PhyloMeth	2	100
2016	Fall	EEB464	Macroevolution	28	100
2016	Spring	Biology150	Introductory biology	235	100
2016	Spring	EEB603	PhyloMeth	9 enrolled, plus dozens online	100
2015	Fall	EEB464	Macroevolution	27	100
2015	Fall	EEB607	Phyloseminar discussion	10	100
2015	Spring	EEB602	Phyloseminar discussion	13	100
2015	Spring	EEB607	HOFF joint lab group discussion	8	100
2014	Fall	EEB464	Macroevolution	28	100
2014	Fall	EEB504	HOFF joint lab group discussion	9	33
2014	Fall	EEB511	Graduate student core	12	50
2014	Fall	EEB607	Phyloseminar discussion	15	100
2014	Spring	Biology130	Introductory biology	94	100
2014	Spring	EEB602	Phyloseminar discussion	24	100
2014	Spring	EEB607	HOFF joint lab group discussion	6	25
2013	Fall	EEB464	Macroevolution	30	100
2013	Fall	EEB504	HOFF joint lab group discussion	11	25
2013	Fall	EEB511	Graduate student core	19	33
2013	Spring	EEB607	HOFF joint lab group discussion	8	25
2012	Fall	EEB464	Macroevolution	22	100
2012	Fall	EEB504	HOFF joint lab group discussion	5	25
2012	Fall	EEB511	Graduate student core	14	13
2012	Spring	Biology130	Introductory biology	206	100
2011	Fall	EEB464	Macroevolution	24	100
2011	Fall	EEB504	HOFF joint lab group discussion	7	25
2011	Fall	EEB503	EEB departmental seminar	44	100
2011	Fall	EEB511	Graduate student core	12	13
2011	Spring	EEB503	EEB departmental seminar	35	100
2011	Spring	EEB607	Speciation discussion	9	100
2010	Fall	EEB511	Graduate student core	8	13
2010	Spring	EEB607	Speciation discussion	13	100
2010	Spring	EEB409	Macroevolution	13	100

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, SSB satellite meeting	Organizer/instructor
2015	Knoxville, TN	Evolutionary Quantitative Genetics workshop at NIMBioS	Instructor
2015	Guaruja, 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	Markov processes in phylogenetics	Instructor
2013	Vienna, Austria	eFlower 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	Gothenberg, Sweden	Species delimitation	Remote instructor
2008	Durham, NC	Computational phyloinformatics at NESCent	Instructor
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	Paleontology and its relevance to neontologists	Instructor

Year	Location	Topic	Role
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 DDIG, NSF GRF, and various internal grants at UC Davis). Total external funding, so far, as a faculty member is $2,887,182.

Year	Title	Funder	Amount
2019	Collaborative Research: Novel framework for estimating continuously-varying diversification rates	Directorate for Biological Sciences	$193,401
2018	Phylotastic subaward	University of Maryland	$165,492
2017	DISSERTATION RESEARCH: Morphological consequences of trophic evolution	Directorate for Biological Sciences	$19,630
2015	CAREER: Reducing barriers for comparative methods	Directorate for Biological Sciences	$738,297
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	rPlant	iPlant	$98,252

Year	Title	Funder	Amount
2012	Historical naming traditions and cryptic speciation bias biodiversity estimates in transatlantic agaric fungi	NSF	$393,074
2011	iPlant: Trait evolution group, year 2	iPlant	$138,590
2010	iPlant: Trait evolution group, year 1	iPlant	$132,345

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 chronograms for the tree of life. Presented at the Society of Systematic Biologists meeting in Columbus, OH. Luna Sanchez Garcia & Brian O'Meara.

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 O'Meara, Mike Gilchrist.

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

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 O'Meara, Anna Schweiger, Aditya Singh, Phil Townsend, Susan Ustin, Michael Schaepman, Franziska Schrodt, John Gamon, and Jeannine Cavender-Bares.

July 2016: Talk on Moving beyond black box, GTR models in phyogenetic analyses through the use of mechanistic models of sequence evolution at the Genetics Society of America: The Allied Genetics Conference in Orlando, FL. Mike Gilchrist, Russ Zaretzki, Cedric Landerer, Jeremy Beaulieu, and Brian O'Meara

November 2015: Talk on Improving Phylogenetics via Population Genetics at the Society for the Study of Molecular Evolution Satellite Meeting on Mechanisms of Protein Evolution in Denver, CO. Mike Gilchrist, Jeremy Beaulieu, JJ Chai, and Brian O'Meara.

September 2015: Talk on heterogeneity at Texas A&M

July 2015: Talk on Moving beyond black box, GTR models in phyogenetic analyses through the use of mechanistic models of sequence evolution at the

Annual Meeting of the Society for Molecular Biology & Evolution in Vienna, Austria. Mike Gilchrist, Jeremy Beaulieu, and Brian O'Meara

June 2014: Talk on floral evolution at Evolution 2014 meeting; co-lead author was Stacey Smith, coauthors were W SArmbruster, L 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. O'Meara.

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

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

May 2014: Smithsonian Phylopizza

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

Aug. 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 Brownie at Evolution meetings in Alaska.

Dec, 2004: Presentation at the Bay Area Biosystematists 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, 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
Hugo Alamillo	2011-2012	N	Assistant Professor North Seattle Colleg
Barb Banbury	2010-2012	N	Statistical Analyst at Fred Hutch
David Bapst	2017-present	N	
Jeremy Beaulieu	2012-2016	Both	Assistant Professor at U. of Arkansas
Juanjuan (JJ) Crosskey (formerly Chai)	2011-2013	Y	Quantitative Analyst at Quantamental
Dominic Evangelista	2018-2018	Y	
Nathan Jackson	2013-2016	N	Researcher at National Jewish Health
Tony Jhwueng	2009-2011	Y	Assistant Professor Feng-Chia U., Taiw
Sandy Kawano	2014-2016	Y	Assistant Professor George Washington
Michelle Lawing	2012-2014	Y	Assistant Professor Texas A&M
Ryan Martin	2012-2013	Y	Assistant Professor Case Western U
Nick Matzke	2013-2015	Y	DECRA Fellow at The Australian Nati
Megan Rua	2015-2016	Y	Assistant Professor Wright State U
Luna Sanchez Reyes	2017-2019	N	
Sergei Tarasov	2016-2018	Y	

Name	Duration	NIMBioS	Current Position
Jodie Wiggins	2018-2019	N	

Mentoring, Grad students in my lab

Name	Stage	Time in Lab	Note
Sam Borstein	PhD student	2014-2019	
Jenn Bosco	PhD student	2012-2017	Co-advised with Susan Riechert
Katie Massana	PhD student	2012-2017	
Orlando Schwery	PhD student	2014-present	

Mentoring, Undergrad students in my lab

Name	Stage	Time in Lab	Note
Zach Tharpe	Undergrad	2019-present	
Christian Yarber	Undergrad	2015-2016	

Mentoring, Grad student committees

In addition to my own students, of course.

Name	Department
Liz Agosto	
Will Atwood	Geology
Jen Bauer	Geology
Sharon Clemmensen	EEB
Troy Fadiga	Geology
Aaron Floden	EEB
Nicholas Gladstone	Geology
Mauricio Gonzalez-Forero	EEB
Alannie-Grace Grant	EEB
Phillip Hollingsworth	EEB
Whitaker Hoskins	EEB
Will Howell	EEB
Ivan Juric	EEB
Cedric Landerer	EEB
Jasper Lee	Microbiology
Sara Lipshutz	EEB
Bryan Looney	EEB

Name	Department
Liam Mueller	EEB
Tyson Paulson	EEB
Todd Pierson	EEB
Ryan Rooney	Geology
Max Rupp	EEB
Geetha Saarunya S	GST
Leonidas Salichos	Vanderbilt
Marisol Sanchez-Garcia	EEB
Sarah Sheffield	Geology
Jordan Utley	GST
Jess Welch	EEB
Rachel Wooliver	EEB

Mentoring, Faculty

Our department now has faculty mentored by a committee of later career faculty. I have served on committees for folks hired after me.

Name	Department
Liz Derryberry	EEB
Stephanie Kivlin	EEB
Kimberly Sheldon	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 iEvoBio 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 iEvoBio meeting (met with SSB) May 2015
- Co-organizer of Evolution meetings, 2014, including sole organizer for lightning talks
- Co-organizer of iEvoBio meeting, 2014
- Member of Phylotastic leadership team (group arranging hackathons for making trees more reusable), 2012-present

- Organizer of lighting talks for Evolution meetings, 2013
- UTK Faculty advisor for Darwin Day Tennessee, 2012-present
- UTK Department representative on Dean's 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 Biosystematists 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.