

# JEREMY M. BEAULIEU

## *Curriculum Vitae*

Department of Biological Sciences  
University of Arkansas  
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### EDUCATION

- 2007-2012 Ph.D. in Ecology and Evolutionary Biology, Yale University, Dissertation title: *The evolution of campanulid angiosperms*  
Advisor: Michael J. Donoghue
- 2005-2007 M.S. in Biology, California Polytechnic State University, San Luis Obispo, Thesis title: *Searching for the phenotypic significance of plant genome size variation*  
Advisor: Charles A. Knight
- 2002-2004 B.S., Ecology and Systematic Biology, California Polytechnic State University, San Luis Obispo

### EMPLOYMENT

- 2016-Present Assistant Professor, U. of Arkansas, Fayetteville
- 2015-2016 Postdoctoral Fellow, U. of Tennessee, Knoxville  
Mentors: Brian C. O'Meara and Michael Gilchrist
- 2012-2015 Postdoctoral Fellow, National Institute for Mathematical and Biological Synthesis (NIMBioS), U. of Tennessee, Knoxville  
Mentors: Brian C. O'Meara and James A. Fordyce
- 2005-2007 Laboratory instructor, various introductory biology courses, California Polytechnic State University, San Luis Obispo

### AWARDS AND APPOINTMENTS

- 2019 Robert C. and Sandra Connor Endowed Fellowship, U. of Arkansas, Fayetteville
- 2013 John Spangler Nicholas Prize for Outstanding Doctoral Student, Yale
- 2011 AAAS/Science Program for Excellence in Science
- 2007 Outstanding graduate student, Biological Sciences Department, Cal Poly
- 2007 Best student presentation, California Botanical Society Meeting

### FUNDING

- National Science Foundation NSF DEB #1916558 *Novel framework for estimating continuously-varying diversification rates*, 2019-2022 – \$485,151, P.I.
- National Science Foundation NSF IOS #1951244 *The critical importance of diverse leaf "hairstyles": integrative quantification of anatomy, function, evolution and ecology of trichomes*  
2020-2023 – \$689,929, co-P.I.
- Arkansas Biosciences Institute (ABI) award – *Phylogenetic detection of ultraconserved regions of intergenic chloroplast DNA for potential use in plant biotechnology research*, 2018 \$38,496.
- NIMBioS postdoctoral fellowship, 2012-2014 – \$140,000, P.I.

## OTHER FUNDED ACTIVITIES

NCEAS – Member Working group on *Linking Phylogenetic history, plant traits, and ecological processes at multiple scales*

NESCent – Member Working group on *Tempo and mode of plant trait evolution: synthesizing data from extant and extinct taxa*

## PROFESSIONAL SOCIETIES

Society for the Study of Evolution (SSE)

Society for the Systematic Biology (SSB)

Botanical Society of America (BSA)

## PUBLICATIONS

\*Equal contribution; †Invited contribution; §Student

### 2020

§BOYKO, J.D., AND **J.M. BEAULIEU**. (2020). Generalized hidden Markov models for phylogenetic comparative datasets. *Methods in Ecology and Evolution* (in Review), biorxiv preprint: <https://doi.org/10.1101/2020.07.18.209874>

**BEAULIEU, J.M.**, B.C. O'MEARA, AND M.A. GILCHRIST. (2020). A spatially-explicit model of stabilizing selection for improving phylogenetic inference. *Molecular Biology and Evolution* (in Review), biorxiv preprint: <https://doi.org/10.1101/2020.05.12.091744>.

CAETANO, D.S., AND **J.M. BEAULIEU**. (2020). Comparative analyses of phenotypic sequences using phylogenetic trees. *American Naturalist*, 195:E38-E50.

§HOWARD, C.C., J.B. LANDIS, **J.M. BEAULIEU** AND N. CELLINESE. (2020) Geophytism in monocots leads to higher rates of diversification. *New Phytologist*, 225:1023-1032.

### 2019

NAKOV, T., **J.M. BEAULIEU**, AND A.J. ALVERSON. (2019). Diatoms diversify and turn over faster in freshwater than marine environments. *Evolution*, 73:2497-2511

†**BEAULIEU, J.M.**, AND B.C. O'MEARA. (2019) Diversity and skepticism are vital for comparative biology: a response to Donoghue and Edwards. *American Journal of Botany*, 106:613-617.

§HOWARD, C.C., R.A. FOLK, **J.M. BEAULIEU** AND N. CELLINESE. (2019) The monocotyledonous underground: global climatic and phylogenetic patterns of geophyte diversity. *American Journal of Botany*, 106:850-863.

§HOWARD, C.C., J.B. LANDIS, **J.M. BEAULIEU** AND N. CELLINESE. (2019) Digging for answers: the causes and consequences of geophytism in the monocots. *Integrative and Comparative Biology*, 59:E104-E104

**BEAULIEU, J.M.**, B.C. O'MEARA, R. ZARETZKI, §C. LANDERER, J.J. CHAI, M.A. GILCHRIST. (2019) Population Genetics Based Phylogenetics Under Stabilizing Selection for an Optimal Amino Acid Sequence: A Nested Modeling Approach. *Molecular Biology and Evolution*, 36:834-851.

### 2018

CAETANO, D.S., B.C. O'MEARA, AND **J.M. BEAULIEU**. (2018). Hidden state models improve the adequacy of state-dependent diversification, including biogeographical models. *Evolution* 72:2308-2324.

<sup>†</sup>BEAULIEU, J.M., AND B.C. 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. *American Journal of Botany* 105: 417-432.

<sup>†§</sup>WELCH, J.N., AND J.M. BEAULIEU. (2018). Predicting extinction risk for data-deficient bats. *Diversity* 10:63.

NAKOV, T., J.M. BEAULIEU, AND A.J. ALVERSON. (2018). Insights into global planktonic diatom diversity: The importance of comparisons between phylogenetically equivalent units that account for time. *The ISME Journal* 12:2807–2810.

NAKOV, T., J.M. BEAULIEU, AND A.J. ALVERSON. (2018). Accelerated diversification is related to life history and locomotion in a hyperdiverse lineage of microbial eukaryotes (Diatoms, Bacillariophyta). *New Phytologist* 219: 462:473.

<sup>†</sup>GITZENDANNER, M.A., Y. YANG, N.J. WICKETT, M. MCKAIN, AND J.M. BEAULIEU. (2018). Methods for exploring the plant tree of life. *Applications in Plant Sciences* 6: e1039.

LESLIE, A.B., J.M. BEAULIEU, G. HOLMAN, C.S. CAMPBELL, W. MEI, L.R. RAUBESON, S. MATHEWS. (2018). An overview of extant conifer evolution from the perspective of the fossil record. *American Journal of Botany* 105: 1531-1544.

## 2017

NAKOV, T., §J.D. BOYKO, A.J. ALVERSON, AND J.M. BEAULIEU. (2017). Models with unequal transition rates favor marine origins of cyanobacteria and photosynthetic eukaryotes. *Proceedings of the National Academy of Sciences of the USA* 114: E10606-E10607.

SIEPIELSKI, A.M., AND J.M. BEAULIEU. (2017). Adaptive evolution to novel predators facilitates the evolution of damselfly species range. *Evolution* 71: 974-984.

LESLIE, A.B., J.M. BEAULIEU, AND S. MATHEWS. (2017). Variation in seed size is structured by dispersal syndrome and cone morphology in conifers and other nonflowering seed plants. *New Phytologist* 216: 429-437.

## 2016

<sup>†</sup>O'MEARA, B.C., AND J.M. BEAULIEU. (2016). Past, future, and present of state-dependent models of diversification. *American Journal of Botany* 103: 1-4.

BEAULIEU, J.M., AND B.C. O'MEARA. (2016). Detecting hidden diversification shifts in models of trait-dependent speciation and extinction. *Systematic Biology* 65: 583-601.

## 2015

BEAULIEU, J.M., B.C. O'MEARA, P. CRANE, AND M.J. DONOGHUE. (2015). Heterogeneous rates of molecular evolution and diversification could explain the Triassic age estimate for angiosperms. *Systematic Biology* 64:869-878.

NEAR, T.J., A. DORNBURG, R.C. HARRINGTON, C. OLIVEIRA, T.W. PIETSCH, C.E. THACKER, T.P. SATOH, E. KATAYAMA, P.C. WAINWRIGHT, J.T. EASTMAN, AND J.M. BEAULIEU. (2015) Identification of the notothenioid sister lineage illuminates the biogeographic history of an Antarctic adaptive radiation. *BMC Evolutionary Biology* 15:109.

LESLIE, A.B., J.M. BEAULIEU, P.R. CRANE, P. KNOPF, AND M.J. DONOGHUE. (2015). Trait integration and macroevolutionary patterns in the pollination biology of conifers. *Evolution* 69:1573-1583.

BEAULIEU, J.M., AND B.C. O'MEARA. (2015). Extinction can be estimated from moderately sized molecular phylogenies. *Evolution* 69:1036-1043.

DORNBURG A., J. MOORE, J.M. BEAULIEU, R.I. EYTAN, AND T.J. NEAR. (2015). The impact of shifts in marine biodiversity hotspots on patterns of range evolution: Evidence from Holocentridae (squirrelfishes and soldierfishes). *Evolution* 69:146-161.

## 2014

- †**BEAULIEU, J.M.**, AND B.C. O'MEARA. (2014). Hidden Markov models for studying the evolution of binary morphological character. In “*Modern Phylogenetic Comparative Methods and their Application in Evolutionary Biology - Concepts and Practice*” edited by L. Z. Garamszegi.
- O'MEARA, B.C., AND **J.M. BEAULIEU**. (2014). Modeling stabilising selection: the attraction of Ornstein-Uhlenbeck models. In “*Modern Phylogenetic Comparative Methods and their Application in Evolutionary Biology - Concepts and Practice*” edited by L. Z. Garamszegi.
- LESLIE, A.B. \*, **J.M. BEAULIEU\***, P.R. CRANE, AND M.J. DONOGHUE. (2014). Cone size is related to branching architecture in conifers. *New Phytologist* **203**:119-1127
- ZANNE, A.E., D.C. TANK, W.K. CORNWELL, J.M. EASTMAN, S.A. SMITH, R.G. FITZJOHN, D.J. MCGLINN, B.C. O'MEARA, A.T. MOLES, P.B. REICH, D.L. ROYER, D.E. SOLTIS, P.F. STEVENS, M. WESTOBY, I.J. WRIGHT, L. AARSSSEN, R.I. BERTIN, A. CALAMINUS, R. GOVAERTS, F. HEMMINGS, M.R. LEISHMAN, J. OLEKSYN, P.S. SOLTIS, N.G. SWENSON, L. WARMON, AND **J.M. BEAULIEU**. (2014). Into the cold: three keys to the radiation of angiosperms into freezing environments. *Nature* **506**: 89-92.
- CORNWELL, W.K., M. WESTOBY, D.S. FALSTER, R.G. FITZJOHN, B.C. O'MEARA, D.J. MCGLINN, J.M. EASTMAN, A.T. MOLES, P.B. REICH, D.C. TANK, I.J. WRIGHT, L. AARSSSEN, **J.M. BEAULIEU**, R.M. KOOYMAN, M.R. LEISHMAN, U. NIINEMETS, J. OLEKSYN, A. ORDONEZ, M.W. PENNELL, D.L. ROYER, S.A. SMITH, P.F. STEVENS, L. WARMAN, P. WILF, E.T. MILLER, AND A.E. ZANNE. (2014). Functional distinctiveness of major plant lineages. *Journal of Ecology* **102**: 345-356.
- OLIVER, J.C., **J.M. BEAULIEU**, L.F. GALL, W.H. PIEL, AND A. MONTEIRO. (2014) Nymphalid eyespot serial homologues originate as a few individualized modules. *Proceedings of the Royal Society B*. **281**: 20133262

## 2013

- LESLIE, A.B. \*, **J.M. BEAULIEU\***, P.R. CRANE, AND M.J. DONOGHUE. (2013). Explaining the distribution of breeding and dispersal syndromes in conifers. *Proceedings of the Royal Society B*. **280**: 20131812.
- BEAULIEU, J.M.**, AND M.J. DONOGHUE. (2013). Fruit evolution and diversification in campanulid angiosperms. *Evolution*. **67**: 3132-3144.
- BEAULIEU, J.M.**, D.C. TANK, AND M.J. DONOGHUE. (2013). A Southern Hemisphere origin for campanulid angiosperms, with traces of the break-up of Gondwana. *BMC Evolutionary Biology* **13**: 80
- BEAULIEU, J.M.**, B.C. O'MEARA, AND M.J. DONOGHUE. (2013). Identifying hidden rate changes in the evolution of a binary morphological character: the evolution of plant habit in campanulid angiosperms. *Systematic Biology* **62**: 725-737.
- BOSSU, C.M., **J.M. BEAULIEU**, P.A. CEAS, AND T.J. NEAR. (2013). Explicit tests of paleodrainage connections of southeastern North America and the historical biogeography of Orangethroat Darters (Percidae: Etheostoma: Ceasia). *Molecular Ecology* **22**:5397-5417.
- LAPIEDRA, O, D. SOL, S. CARRANZA, AND **J.M. BEAULIEU**. (2013). Behavioural changes and the adaptive diversification of pigeons and doves. *Proceedings of the Royal Society B* **280**: 2012-2893

## 2012

- BEAULIEU, J.M.**, D-J. JHUENG, AND B.C. O'MEARA. (2012). Modeling stabilizing selection: Expanding the Ornstein-Uhlenbeck model of adaptive evolution. *Evolution*. **66**: 2369-2383

- <sup>†</sup>BEAULIEU, J.M., R.H. REE, J. CAVENDER-BARES, G.D. WEIBLEN, AND M.J. DONOGHUE. (2012). Synthesizing phylogenetic knowledge for ecological research. *Ecology* **93**: S4-S13.
- LESLIE, A.B. \*, J.M. BEAULIEU\*, H. RAI, P.R. CRANE, M.J. DONOGHUE, AND S. MATTHEWS. (2012). Hemisphere-scale differences in conifer evolutionary dynamics. *Proceedings of the National Academy of Sciences of the USA* **109**: 16217-16221.
- <sup>§</sup>SCHMERLER, S., W.L. CLEMENT, J.M. BEAULIEU, D. CHATELET, L. SACK, M.J. DONOGHUE, AND E.J. EDWARDS. (2012). Evolution of leaf form correlates with tropical-temperate transitions in *Viburnum* (Adoxaceae). *Proceedings of the Royal Society B* **279**: 3905–3913.
- AVOLIO, M.L., J.M. BEAULIEU, E. LO, AND M.D. SMITH. (2012). Measuring genetic diversity in ecological studies. *Plant Ecology* **213**: 1105-1115.
- AVOLIO, M.L., J.M. BEAULIEU, M.D. SMITH. (2012). Genetic diversity of a dominant C4 grass is altered with increased precipitation variability. *Oecologia*. **171**: 437-442.
- FRANKS, P.J., R.P. FRECKLETON, J.M. BEAULIEU, I.J. LEITCH, AND D.J. BEERLING. (2012). Megacycles of atmospheric CO2 concentration correlate with fossil plant genome size. *Philosophical Transactions of the Royal Society, B*. **367**: 556-564.

## 2011

- SMITH, S.A., J.M. BEAULIEU, A. STAMATAKIS, AND M.J. DONOGHUE. (2011). Understanding angiosperm diversification using small and large phylogenetic trees. *American Journal of Botany* **98**: 404-414.
- DORNBURG, A., J.M. BEAULIEU, J.C. OLIVER, AND T.J. NEAR. (2011). Integrating fossil preservation biases in the selection of calibration for molecular divergence time estimation. *Systematic Biology* **60**: 519-527.

## 2010

- \*SMITH, S.A., \*J.M. BEAULIEU, AND M.J. DONOGHUE. (2010). An uncorrelated relaxed-clock analysis suggests an earlier origin for flowering plants. *Proceedings of the National Academy of Sciences of the USA* **107**: 5897-5902.
- <sup>†</sup>BEAULIEU, J.M. (2010). The right stuff: evidence for an ‘optimal’ genome size in a wild grass population. *New Phytologist* **187**: 883-885.
- LEITCH I.J., J.M. BEAULIEU, M.W. CHASE, A.R. LEITCH, AND M.F. FAY. (2010). Genome size dynamics and evolution in monocots. *Journal of Botany* doi:10.1155/2010/862516.
- <sup>†</sup>BEAULIEU, J.M., S.A. SMITH, AND I.J. LEITCH. (2010). On the tempo of genome size evolution in angiosperms. *Journal of Botany* doi:10.1155/2010/989152.
- KNIGHT, C.A., R.B. CLANCY, L. GOTZENBERGER, L. DANN, AND J.M. BEAULIEU. (2010). On the relationship between pollen size and genome size. *Journal of Botany* doi:10.1155/2010/612017.

## 2009

- \*SMITH, S.A. AND \*J.M. BEAULIEU. (2009). Life history influences rates of climatic niche evolution in flowering plants. *Proceedings of the Royal Society B*. **276**: 4345-4352.
- SMITH, S.A., J.M. BEAULIEU, AND M.J. DONOGHUE. (2009). Mega-phylogeny approach for comparative biology: an alternative to supertree and supermatrix approaches. *BMC Evolutionary Biology* **9**: 37.
- LYSAK, M.A., M.A. KOCH, J.M. BEAULIEU, A. MEISTER, AND I.J. LEITCH. (2009). The dynamic ups and downs of genome size evolution in Brassicaceae. *Molecular Biology and Evolution* **26**: 85-98.

## 2008

- BEAULIEU, J.M.**, I.J. LEITCH, §S. PATEL, §A. PENDHARKAR, AND C.A. KNIGHT. (2008). Genome size is a strong predictor of cell size and stomatal density in angiosperms. *New Phytologist* **179**: 975-986.
- KNIGHT, C.A. AND **J.M. BEAULIEU**. (2008). Genome size scaling through phenotype space. *Annals of Botany* **6**: 759-766.
- CONNOLLY, J.A., M.J. OLIVER, **J.M. BEAULIEU**, C.A. KNIGHT, L. TOMANEK, AND M.A. MOLINE. (2008). The correlated evolution of genome size and cell volume in diatoms (Bacillariophyceae). *Journal of Phycology* **44**: 124-131.

## 2007

- BEAULIEU, J.M.**, A.T. MOLES, I.J. LEITCH, M.D. BENNETT, J.B. DICKIE, AND C.A. KNIGHT. (2007). Correlated evolution of genome size and seed mass. *New Phytologist*. **173**: 422-437.
- BEAULIEU, J.M.**, I.J. LEITCH, AND C.A. KNIGHT. (2007). Genome size evolution in relation to leaf strategy and metabolic rates revisited. *Annals of Botany* **99**: 495-505.
- LEITCH, I.J., **J.M. BEAULIEU**, L. HANSEN, K. CHEUNG, M. LYSAK, AND M.F. FAY. (2007). Punctuated genome size evolution in Liliaceae. *Journal of Evolutionary Biology* **20**: 2296-2308.

## CONTRIBUTED DATA

- TANK, D.C., J.M. EASTMAN, **J.M. BEAULIEU**, W.K. CORNWELL, P.F. STEVENS, A.E. ZANNE. (2013). Taxonomic lookup table containing clade-level mappings for 15,363 genera of Spermatophyta. Data from: Three keys to the radiation of angiosperms into freezing environments. *Nature* doi:10.5061/dryad.63q27/1.
- TANK, D. C., J.M. EASTMAN, **J. M. BEAULIEU**, AND S.A. SMITH. (2013). Phylogenetic resources. Data from: Three keys to the radiation of angiosperms into freezing environments. *Nature* doi:10.5061/dryad.63q27/3.

## SCIENTIFIC SOFTWARE

- selac* – Sets up models of selection on amino acids and/or codons by merging principles of population genetics with phylogenetic.
- hisse* – Sets up and executes a HiSSE model (Hidden State Speciation and Extinction) on a phylogeny and character sets to test for hidden shifts in trait dependent rates of diversification.
- OUwie* – Calculates and compares rate differences of continuous character evolution under a new and expanded set of Ornstein-Uhlenbeck-based models that allow the strength of selection and drift to vary across selective regimes.
- CORHMM* – Fits a generalized form of the covarion model that paints distinct transition rate classes on different portions of a phylogeny by treating rate classes as “hidden” states in a Markov process.
- rPlant* – An R interface to the computational resources made available by the iPlant Discovery Environment (DE)

## PRESENTATIONS

### *Selected contributed abstracts*

#### †Invited contribution

- 2019 *The impact of ascertainment bias in comparative biology*, Botany meeting, Tucson, AZ.
- 2019 †*Embracing the hidden strengths of comparative methods: examples from models of trait-dependent diversification*, Bright Side of Phylogenetics Symposium, Evolution meeting, Providence, RI.
- 2018 *Testing for geography-dependent rates of species turnover in campanulid angiosperms*, Botany meeting, Rochester, MN.
- 2017 †*Detecting hidden rate shifts, Type I errors, and revising our concept of angiosperm innovations using trait-dependent models of diversification*, International Botanical Congress, Shenzhen, China
- 2014 †*Exploring heterogeneity in binary character evolution* Botany meeting, Boise, ID
- 2014 *Estimating how contemporary taxa will evolve in the future, to understand how island communities were assembled in the past* Evolution meeting, Raleigh, NC
- 2013 †*Exploring the evolution of a very old and widespread angiosperm clade 60<sup>th</sup>* Systematics Symposium at the Missouri Botanical Gardens, St. Louis, MO
- 2013 *Identifying hidden rate changes in the evolution of a binary morphological character* Evolution meeting, Snowbird, UT
- 2011 †*Understanding biases in molecular dating analyses: lessons from campanulid angiosperms* International Botanical Congress (IBC), Melbourne, Australia
- 2010 *A Southern Hemisphere origin for campanulid angiosperms, and traces of the break-up of Gondwana* Evolution meeting, Portland, OR
- 2009 *Angiosperm radiations aren't where we thought they were, but they're close!* Evolution meeting, Moscow, ID
- 2007 *Genome size effects decrease with increasing phenotypic scale across flowering plants* California Botanical Society Meeting, San Luis Obispo, CA

### *Selected Invited Departmental Seminars*

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|----------|------|--|
| January  | 2020 | Department of Biological Sciences, George Washington University      |
| January  | 2020 | Environmental and Plants Sciences, Ohio University                   |
| November | 2019 | Department of EEB, Louisiana State University (LSU)                  |
| November | 2019 | Department of EEB, University of Arizona                             |
| November | 2018 | Department of Biological Science University of Tulsa                 |
| March    | 2017 | Department of EEB, University of Toronto                             |
| November | 2016 | Department of Biological Sciences, University of Idaho               |
| March    | 2016 | Department of Biological Sciences, Rutgers, Newark                   |
| March    | 2016 | Department of Biological Sciences, University of Arkansas            |
| March    | 2016 | Department of Biological Sciences, UMASS Boston                      |
| March    | 2016 | Department of Biological Sciences, Cal Poly, SLO                     |
| February | 2016 | Department of Plant Sciences, University of Georgia                  |
| January  | 2016 | Department of EEB, University of Tennessee, Knoxville                |
| November | 2015 | Department of Biological Sciences, Eastern Kentucky University       |
| January  | 2015 | Department of EEB, U.C. Los Angeles                                  |
| May      | 2014 | Department of OEB, Harvard University                                |
| March    | 2014 | Department of OEB, Harvard University                                |
| November | 2013 | Department of EEOB, Iowa State University                            |
| October  | 2012 | Department of Botany, Field Museum of Natural History<br>Chicago, IL |
| August   | 2012 | Department of Ecology and Evolutionary Biology, Yale University      |

## TEACHING EXPERIENCE

Organizer – MEME graduate seminar; U. of Arkansas, Fayetteville, 2016-present  
Lecturer – Molecular Phylogenetics; U. of Arkansas, Fayetteville, 2017-present  
Lecturer – Evolutionary Biology; U. of Arkansas, Fayetteville, 2016-present  
Instructor – Graduate Core Course; U. of Tennessee, Knoxville Fall 2013  
Guest Lecturer – Macroevolution; U. of Tennessee, Knoxville 2012-2013  
Teaching Assistant – Principles of evolution, ecology, behavior; Yale Spring 2009  
Lab instructor – Principles of evolution, ecology, behavior lab course; Yale Spring 2008  
Lab instructor – Introduction to Organismal Form and Function; Cal Poly Spring 2006  
Lab instructor – Ecology and Evolution; Cal Poly Fall 2006  
Lab instructor – Introductory biology for non-majors; Cal Poly; Fall/Winter 2005-2006

## ACADEMIC ADVISING

### *Postdoctoral Associates*

Thais Vasconcelos (2020-present)  
Daniel Caetano (2017-2020) – accepted a tenure track position at Towson University

### *Graduate students*

James Boyko (PhD, 4<sup>th</sup> year)  
Katharine Dupree (PhD, 3<sup>rd</sup> year)  
Eric Hagen (PhD, 3<sup>rd</sup> year)  
Peter Hasik (MSc, 2017-2020) – Graduated August 2020.

## ACADEMIC SERVICE

2021-present **Elected** Council member, Society of Systematic Biologists (SSB)  
2020-present **Elected** Unit Peer Review Committee, U. of Arkansas, Fayetteville  
2020-present Member of Finance Committee, Society for the Study of Evolution (SSE)  
2019-present Diversity and Inclusion Committee, U. of Arkansas, Fayetteville  
2019-present Associate Editor, *Systematic Biology*  
2019-present Associate Editor, *PLoS Computational Biology*  
2018-present Section Editor, *AoB PLANTS*  
2018-present Editorial Board, *Frontiers in Plant Sciences*  
2017-present Editor, *Applications in Plant Sciences* (APPS)  
2017-2018 Committee for Alumni Outreach, U. of Arkansas, Fayetteville  
2017-2018 Departmental Honors and Awards Committee, U. of Arkansas, Fayetteville  
2016-2017 Seminar Committee, University of Arkansas  
2013 Volunteer for Darwin Day Tennessee, U. of Tennessee, Knoxville.  
2006-2007 Graduate Coordinating Committee (GCC), Cal Poly, San Luis Obispo

Reviewer for National Science Foundation (NSF)  
Reviewer for German Center for Integrative Biodiversity (iDiv)  
Reviewer for *American Journal of Botany*, *American Naturalist*, *Annals of Botany*, *Ecology*, *Evolution*, *International Journal of Plant Sciences*, *Journal of Ecology*, *Methods in Ecology and Evolution*, *Molecular Biology and Evolution*, *Nature*, *New Phytologist*, *Oecologia*, *PLoS*, *PNAS*, *Science*, *Systematic Biology*, and others.