

Biographical Sketch April Marie Wright

University of Kansas
Ecology and Evolutionary Biology
6031 Haworth Hall
Lawrence, Kansas 66045 USA

email: wright.aprilm@gmail.com
web-page: <http://wrightaprilm.github.io/>

A. PROFESSIONAL PREPARATION

Iowa State University	Ames, IA	Ecology, Evolutionary and Organismal Biology	Postdoc, 2015–
University of Kansas	Lawrence, KS	Ecology and Evolutionary Biology	Postdoc, 2015–
University of Texas	Austin, TX	Ecology, Evolution, & Behavior	Ph.D., 2015
St. Olaf College	Northfield, MN	Biology	B.A., 2009

B. APPOINTMENTS

2015 – Postdoctoral Researcher, University of Kansas; Ecology, Evolutionary and Organismal Biology.
2015 – Postdoctoral Researcher, Iowa State University; Department of Ecology and Evolutionary Biology.

C-1. FIVE PRODUCTS MOST CLOSELY RELATED TO THE PROPOSED PROJECT

Hillis DM, Devitt TJ, **Wright A.M.**, Cannatella DC. City of Austin Report. Genomic Assessment of Taxonomic Status of Central Texas Eurycea Salamanders.

Wright, A.M., K.M. Lyons, M.B. Brandley, and D.M. Hillis. 2015. “Which Came First? Robustness in Phylogenetic Reconstruction of Ancestral States.” *J Exp. Biol.* 324: 504-516.

Wright, A.M., G.T. Lloyd and D.M. Hillis. “Modeling character change heterogeneity through the use of priors.” *Systematic Biology*, In Press, 2016.

Wright, A.M. and D.M. Hillis. “Bayesian Analysis Using a Simple Likelihood Model Outperforms Parsimony for Estimation of Phylogeny from Discrete Morphological Data.” *PLoS ONE*, 9(10): e109210, 2014.

Li, T., J. Hua, **A.M. Wright**, Y. Cui, Q. Xie, W. Bu, and D.M. Hillis. “Long-branch attraction and the phylogeny of true water bugs (Hemiptera: Nepomorpha) as estimated from mitochondrial genomes.” *BMC Evolutionary Biology* 14:99, 2014.

C-2. ADDITIONAL PRODUCTS

Software: *PartitionFinder Morphology* – **Wright, A.M.**, P.B. Fransden, B. Calcott and R. Lanfear. Automated discovery of optimal partitioning strategy for discrete morphological datasets. (<https://github.com/wrightaprilm/partitionfinder>).

Tutorial: “Tip-Dating: Estimating Dated Phylogenies Using Fossils as Terminal Taxa” – Matzke, N.J. and **A.M. Wright**. (<http://phylo.wikidot.com/beastmaster-workshops>).

Course Materials: “Introduction to Computing for Biologists” — **A.M. Wright** (https://github.com/wrightaprilm/CourseCCBB_pythonspring2014).

Meirelles L, S. Solomon, M. Bacci, **A.M. Wright**, U. Mueller, A. Rodrigues. 2015. Shared Escovopsis infections destabilize the tripartite co-evolution hypothesis in the higher-attine fungus-growing ant symbiosis. *R. Soc. Open Sci.* 2:9.

D. SYNERGISTIC ACTIVITIES

COURSE FACULTY University of Texas at Austin Department of Statistics and Data Science: Intermediate Python (2013-2015; Instructor); University of Texas at Austin Department of Statistics and Data Science: Beginner's Python (2013-2015; Instructor); University of Texas at Austin Center for Computational Biology and Bioinformatics: Python for Biologists (2014; Instructor); Workshop on Molecular Evolution at MBL Woods Hole, MA (Teaching Assistant, 2014)

OUTREACH & SERVICE

SciPy 2015 Conference Diversity Committee (SciPy Conference 2015, Austin, TX)

Software Carpentry Diversity Committee member (2014-)

GirlStart Girl Congress (Activity Leader, 2011)

Girl Scouts TechGirls (Classroom Volunteer, 2012)

Iowa State Women in Science and Engineering mentor

Contributor: <http://macrojc.github.io/macrojc/pages/contributors.html>

Blog Owner: <http://wrightaprilm.github.io/>

PARTICIPANT

Workshop on Molecular Evolution at MBL Woods Hole, MA (July 2012)

NESCent Phylotastic! Hackathon (January 2013)

REVIEWING

Journal reviewer for: *American Naturalist*, *BMC Evolutionary Biology*, *Ecology Letters*, *Molecular Biology & Evolution*, *Systematic Biology*, *Bioinformatics*.

Award reviewer for: Travel Awards, SciPy Conference (2015).

SOCIETY MEMBERSHIP

Society of Systematic Biologists

E. COLLABORATORS & OTHER AFFILIATIONS

Co-authors & Collaborators:

Bacci, M. (São Paulo State University, co-author); Bapst, D.W. (South Dakota School of Mines and Technology, collaborator); Brandley, M.B. (University of Sydney, co-author); Bu, W. (Nankai University, co-author); Calcott, B. (Arizona State University, collaborator); Cannatella, D.C. (University of Texas at Austin; collaborator); Cui, Y. (Nankai University, co-author); Devitt, T.J. (City of Austin, collaborator); Frandsen, P.B. (Smithsonian Institution, collaborator); Heath, T.A. (Iowa State University, collaborator); Hua, J. (Nankai University, co-author); Lanfear, R. (Macquarie University, collaborator); Li, T. (Nankai University, co-author); Liebeskind, B.J. (University of Texas at Austin; collaborator); Lloyd, G.T. (Macquarie University, co-author); Lyons, K.M. (University of Texas at Austin; co-author); Matzke, N.J. (National Institute for Mathematical and Biological Synthesis; collaborator); Meirelles, L. (São Paulo State University, co-author); Mueller, U. (University of Texas at Austin; co-author); Rodrigues, A. (São Paulo State University, co-author); Solomon, S. (Rice University, co-author); Xie, Q. (Nankai University, co-author)

Advisors: Hillis, David (University of Texas at Austin; PhD advisor); Holder, Mark (University of Kansas; postdoc advisor)

Students: None