

Genevieve G. Mount

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EDUCATION

Ph.D. Biology – Louisiana State University, Baton Rouge (August 2014-December 2020)

B.S. Evolution, Ecology, and Biodiversity - University of California, Davis (June 2010)

PENDING PUBLICATIONS

Mount, G.G., Huang, W., Gallivan, K.A., Wilgenbusch, J.C., Brown, J.M. The Performance of Network-Based Community Detection for Identifying Structure in Phylogenetic Tree Sets (*in prep for Systematic Biology*)

Brown, J.M., Huang, W., Marchand, M., Zhou, G., **Mount, G.G.**, Gallivan, K.A., Wilgenbusch, J.C. Using Networks to Identify Structure in Phylogenetic Tree Sets (*in prep for Systematic Biology*)

PUBLICATIONS

MacGuigan, D., **Mount, G.G.**, Watkins-Colwell, G., Near, T., Lambert, M. Genomic data clarify Aquarana systematics and reveal isolation-by-distance dominates phylogeography of the wide-ranging frog *Rana clamitans* (*Ichthyology & Herpetology*)

Mount, G.G., Brown, J.M. Comparing likelihood ratios to understand genome-wide variation in phylogenetic support (2022) *Systematic Biology*

Nations, J.A., **Mount, G.G.**, Morere, S.M., Achmadi, A.S., Rowe, K.C, Esselstyn, J.A. (2021) Locomotory mode transitions alter phenotypic evolution and lineage diversification in an ecologically rich clade of mammals. *Evolution*

Brown, J.M., **Mount, G.G.**, Gallivan, K.A., Wilgenbusch, J.C, The Diverse Applications of Tree Set Visualization and Exploration (2020) *EcoEvoRxiv*

Lambert, M.R., McKenzie, J.M., Screen, R.M., Clause, A.G., Johnson, B.J. **Mount, G.G.**, Shaffer, H.B., Pauly, G.B. (2019) Experimental removal of introduced slider turtles offers new insight into competition with a native, threatened turtle. *PeerJ*

Höhna, S., Coghill, L. M., **Mount, G.G.**, Thomson, R.C., Brown, J.M. (2017) P3: Phylogenetic Posterior Prediction in RevBayes. *Molecular Biology and Evolution*

Spinks, P.Q., McCarteny-Melstad, E., Near, T. J., **Mount, G. G.**, and H.B Shaffer. (2017) Phylogenomic analyses of 539 highly informative loci dates a fully resolved time tree for the major clades of living turtles (Testudines). *Molecular Phylogenetics and Evolution*, 115, 7-15

McCarteny-Melstad, E., **Mount, G.G.**, and H.B. Shaffer. (2016) Exon capture optimization in amphibians with large genomes. *Molecular Ecology Resources*, doi: 10.1111/1755-0998.12538

Spinks, P.Q., Thomson, R.C., Pauly, G.B, Newman, C.E., **Mount, G.G.**, and H.B. Shaffer. (2013) Misleading phylogenetic inferences based on single-exemplar sampling in the turtle genus *Pseudemys*. *Molecular Phylogenetics & Evolution*, 68, 269-281.

CONFERENCE PRESENTATIONS

Mount, G.G., Brown, J.M. 2020 (Poster) Comparing genome-wide measures of phylogenetic support in squamates. Systematic Biology, Gainesville, Florida.

Kluse, J., Mossicato, C., **Mount, G.G.**, Lagomarsino, L. 2019 (Poster) Restructuring the LSU Herbaria After Doubling in Size. Botany, Tuscon, Arizona.

Mount, G.G., Brown, J.M. 2019 (Invited symposium, oral presentation) Comparing genome-wide measures of phylogenetic support in squamates. Evolution, Providence, Rhode Island.

Mount, G.G., Elias, D., Morris, D., Ash, J., Huang, W., Marchand, M., Gallivan, K.A., Wilgenbusch, J.C., Brown, J.M. 2018 (Poster presentation) TreeScaper: identifying phylogenetic communities. Evolution, Portland, Oregon

Mount, G.G., Elias, D., Morris, D., Brown, J.M., 2018 (Oral presentation) Visualizing phylogenetic forests. BioGrads Symposium in Baton Rouge, Louisiana.

Holder, M., Schwartz, R., **Mount, G.G.** 2017 (Debate moderator) Missing data in phylogenomics: When is it a problem? How big of a problem is it? Standalone Meeting for Society for Systematic Biologists, Baton Rouge, Louisiana.

Mount, G.G., Brown, J.M. 2016 (Oral presentation) Can differences in model fit explain conflicting estimates of the Squamate tree of life? Evolution, Austin, Texas.

Mount, G.G., Brown, J.M. 2015 (Oral presentation) Is there evidence of bias in molecular phylogenetic estimates of the squamate tree of life? Evolution, Guarujá Brazil.

Mount, G.G., McCarterny-Melstad, E. Spinks P.Q., Shaffer H.B. 2013 (Oral presentation) Genomic Resource Development in California Ranids. Joint Meeting of Ichthyologists and Herpetologists, Albuquerque, New Mexico.

GRANTS & AWARDS

2021 – Endangered Species Mitigation Fund \$7,000

2021 – NSF Postdoctoral Fellowship 1-year extension (\$69,000)

2020 – NSF Postdoctoral Fellowship (\$138,000)

2014-2018 Departmental Research Assistantship, Louisiana State University

2017 - Louisiana State University BioGrads Travel Award (\$400)

2016 - Louisiana State University BioGrads Travel Award (\$400)

2015 - NSF Graduate Research Fellowship, Honorable Mention (Enhanced access to supercomputing resources)

2015 - NSF Society for Systematic Biologists Workshop in Model-based Molecular Systematics Travel Award (\$1,750)

2015 - Louisiana State University BioGrads Travel Award (\$400)

2010 - Citation for Academic Excellence in Evolution, Ecology, and Biodiversity

2010 - Bachelors of Science with Honors

TEACHING & RESEARCH

2019-2020 - Research Assistantship, Center for Computing and Technology

2018-2019 - Research Assistantship, Herbarium, database management

2018 - Guest Lectures, Introduction to Computing for Biologists

2018 - Research Assistantship, TreeScaper NSF grant

2015 - Guest Lectures, Herpetology Lecture

2015 - Teaching Assistantship, Herpetology Lab

2014 - Teaching Assistantship, Introductory Biology Lab

SERVICE

2022 – Reviewer for Undergraduate Research & Creative Opportunities at USU

2019 – Reviewer for Molecular Biology and Evolution
2017-2018 – Diversity Committee, Women in Science at Louisiana State University
2017-2018 Merchandizer, BioGrads at Louisiana State University
2017 - Student Organizer for Standalone Meeting for Society for Systematic Biologists, Baton Rouge, LA
2016 - 2017 - Student Council Member, Society for Systematic Biologists
2016 - Reviewer for Molecular Ecology
2016 - Fundraiser, BioGrads at Louisiana State University
2016 - BEACON Undergraduate Diversity mentor at Evolution meeting
2015 - Reviewer for Journal of Biogeography

OUTREACH

Outreach Volunteer, Louisiana Museum of Natural Sciences 2014-2020

- Lead museum tours. Interact with public at outreach events at Step-Outside Day, Earth Day, Special Saturdays and Night at the Museum.

Computational Biology Seminar Series 2016

- Invited speaker
- **Amphibiaweb tweeter** 2022