

Jared A. Grummer

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University of British Columbia
Postdoctoral Research Fellow, Biodiversity Research Centre.
Advisors: Rick Taylor, Michael Whitlock, Trish Schulte
June 2017 Present

EDUCATION

University of Washington
Ph.D. Department of Biology. Advisor: Dr. Adam Leaché
Sept. 2011 June 2017

San Diego State University
M.Sc. Department of Biology. Advisor: Dr. Tod Reeder
Aug. 2008 May 2011

Cornell University
B.S. with Distinction in Research; Emphasis in Ecology and Evolution
Graduation with High Honors; Dean's List
Aug. 2005 May 2007

Humboldt State University
Aug. 2002 May 2005

GRANTS & AWARDS

Student Travel Scholarship (March 2016)
8th World Congress of Herpetology
\$1,200

Doctoral Dissertation Improvement Grant (January 2015)
National Science Foundation
\$16,300

Graduate Student presentation Award, 1st Runner-up (July 2014)
Herpetologists' League
\$250

Stoye Award (August 2012)
American Society of Ichthyologists and herpetologists
\$300

Wildlife Research Grant (April 2012)
Seattle City Light Skagit Wildlife Research Program
\$40,000

Snyder Award (April 2012)
Department of Biology, University of Washington
\$1,250

Sargent Award (November 2011) \$1,000
Department of Biology, University of Washington

Theodore Roosevelt Memorial Fund (May 2009) \$1,400
American Museum of Natural History

SCHOLARSHIPS & FELLOWSHIPS

Boeing International Graduate Fellowship Sep. 2015 Dec. 2015
The Graduate School, University of Washington

NIH Genome Training Grant (predoctoral fellowship) Dec. 2011 Dec. 2013
Genome Sciences, University of Washington

Harry E. Hamber Memorial Scholarship May 2009
Department of Biology, San Diego State University

PUBLICATIONS

11. Ramírez-Bautista, A., Cruz-Elizalde, R., Hernández-Salinas, U., Lozano, A., **Grummer, J.A.** 2017. Reproductive trait variation in the *Sceloporus scalaris* species group (Squamata: Phrynosomatidae) from the Transvolcanic Belt, Mexico. *Biological Journal of the Linnean Society*. *Accepted*.
10. Leaché, A.D., **Grummer, J.A.**, Harris, R.B., Breckheimer, I. 2017. Evidence for lock-step movement of genetic clines in a lizard hybrid zone. *Molecular Ecology*, 2017(26): 2306-2316.
9. **Grummer, J.A.**, Leaché, A.D. 2017. Do Dams Also Stop Frogs? Assessing Population Connectivity of Coastal Tailed Frogs (*Ascaphus truei*) in the North Cascades National Park Service Complex. *Conservation Genetics*, 2017(18): 439-451.
8. Leaché, A.D., **Grummer, J.A.**, + 13 others. 2017. Bayesian Inference of Species Diffusion in the West African *Agama agama* Species Group (Reptilia, Agamidae). *Systematics and Biodiversity*, 15(3): 192-203.
7. **Grummer, J.A.**, Leaché, A.D. 2016. Survey for *Batrachochytrium dendrobatidis* in North Cascades National Park, Washington, USA. *Herpetological Review*, 47(3): 392-394.
6. **Grummer, J.A.**, Calderón, M., Nieto-Montes de Oca, A., Smith, E., Méndez, F., Leaché, A.D. Estimating the temporal and spatial extent of gene flow among

sympatric lizard populations (genus *Sceloporus*) in the southern Mexican highlands. *Molecular Ecology*, 2015(24): 1523-1542.

5. Leaché, A.D., Chavez, A.S., Jones, L.N., **Grummer, J.A.**, Gottscho, A.D., Linkem, C.W. 2015. Phylogenomics of Phrynosomatid Lizards: Conflicting Signals from Sequence Capture Versus Restriction Site Associated DNA Sequencing. *Genome Biology and Evolution*, 7(3): 706-719.
4. **Grummer, J.A.** 2014. Cloudy with a chance of horned lizards – new species *Phrynosoma sherbrookei*. *Phrynosomatics*, 19(3): 1-7.
3. **Grummer, J.A.** and Bryson, R.W., Jr. A new species of bunchgrass lizard (Squamata: Phrynosomatidae) from the southern sky islands of the Sierra Madre Occidental, Mexico. *Zootaxa*, 3790(3): 439-450.
2. **Grummer, J.A.**, Bryson, R.W., Jr., and Reeder, T.W. 2014. Species delimitation using Bayes factors: simulations and application to the *Sceloporus scalaris* species group (Squamata: Phrynosomatidae). *Systematic Biology*, 63(2): 119-133.
1. **Grummer, J.A.** 2008. Common tern (*Sterna hirundo*) cannibalism at Oneida Lake. *The Kingbird*, 57(4): 300.

PROFESSIONAL PRESENTATIONS

- 2016 "Comparative hybrid zone analyses in the South American *Liolaemus fitzingerii* group of lizards"
-Invited Speaker, 8th World Congress of Herpetology, Hangzhou, China
- 2016 "A promiscuous bunch: using next-gen data to assess species limits in the *Liolaemus fitzingerii* species group"
-Southern Connection Congress VIII, Punta Arenas, Chile
- 2014 "Those dammed frogs: investigating the impacts of river dams on the micro-population genetic structure of the coastal tailed frog (*Ascaphus truei*) using thousands of SNPs"
-Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, TN
- 2013 "Lineage identification and phylogeography within the *Sceloporus spinosus* group"
-Evolution Society meeting, Snowbird, UT
- 2012 "Species delimitation using Bayes factors in the *Sceloporus scalaris* species group (Squamata: Phrynosomatidae)"

- World Congress of Herpetology, Vancouver, Canada
- 2010 “A side-by-side comparison of *BEAST and BEST using the *Sceloporus scalaris* species group (Squamata: Phrynosomatidae)”
-Evolution Society Meeting, Portland, OR
- 2010 “Phylogenetic relationships and species limits within the *Sceloporus scalaris* species group (Squamata: Phrynosomatidae) as inferred from multi-locus nuclear DNA”
-Southwestern Association of Naturalists, Junction, TX

TEACHING EXPERIENCE

Instructor-of-Record

- Herpetology, Spring 2016

Teaching Assistant (10 quarters, 6 semesters)

- Applied Phylogenetics, Vertebrate Biology, Molecular Ecology, Cell & Molecular Biology Techniques, Cell Physiology, Biology for non-majors

SYNERGISTIC ACTIVITIES

- 1) Contributions to Education
 - a. **Instructor-of-Record**, Herpetology (BIOL 437), University of Washington
 - b. **Graduate student representative**, UW Biology Undergraduate Programming Committee (Sep. 2015 – June 2016)
 - c. **Undergraduate research supervisor**: two field researchers (2012–2013) and two laboratory researchers (2016)
 - d. **Evolution Unit expert**, Educurious Education Project (<http://educurious.org>)
- 2) Service to the Scientific Community
 - a. **Manuscript Referee** for *Biological Journal of the Linnean Society*, *BMC Evolutionary Biology*, *Current Zoology*, *Ecology and Evolution*, *Evolution Letters*, *Herpetological Monographs*, *Hydrobiologia*, *Journal of Herpetology*, *Methods in Ecology and Evolution*, *Molecular Ecology*, *Molecular Ecology Resources*, and *Molecular Phylogenetics and Evolution*
 - b. **Grant Referee** for the National Science Foundation
- 3) Public Outreach
 - a. **Founder**, the Young Naturalists’ Society of the Pacific Northwest (<http://pnwyoungnaturalists.wordpress.com/>)
 - b. **Tour Guide**, Burke Museum “Behind-the-Scenes” tours of Genetic Resource, Herpetology, and Ornithology collections
 - c. **Focus of museum exhibit**, “The Wild Nearby” – Burke Museum of Natural History and Culture (June 2016-February 2017)
 - d. **Contributor**, UW Science Positive (<http://scipos.blogspot.com/>)

- 4) Workshop Participant
 - a. New methods for phylogenomics and metagenomics, Feb. 2013, Univ. of Texas, Austin
 - b. Biodiversity Informatics Training Workshop, June 2012, Univ. of Colorado, Boulder
- 5) Contributions to Museums
 - a. **Volunteer**, Burke Museum of Natural History and Culture
 - i. “Meet the Mammals”, “Birds at the Burke”
 - b. **Contributor**, Burke Museum of Natural History and Culture Herpetology Webpage (<http://www.burkemuseum.org/research-and-collections/herpetology>)
 - c. Deposition of specimens, genetic resources, and field notes to Burke Museum from:
 - i. United States (Arizona, Washington)
 - ii. Mexico (Federal District, Guerrero, Oaxaca, Puebla)
 - iii. Argentina (Chubut province)