

CURRICULUM VITAE

Robyn Mieke Dahl
Department of Earth Sciences
University of California, Riverside
900 University Avenue
Riverside, CA 92521
626.755.1341
robynm Dahl@gmail.com

Education

- Ph.D., University of California, Riverside 2015
Program: Geological Sciences (Paleobiology & Geoscience Education)
Dissertation Topic: *The Environmental Context of Gastropods on Western Laurentia (Basin & Range Province) During the Great Ordovician Biodiversification Event*
Advisor: Dr. Mary Droser
- M.S., University of California, Riverside 2012
Program: Geological Sciences (Paleobiology)
Thesis Topic: *A Paleoenvironmental Analysis of Gastropods from the Middle Ordovician, Ibex Region, Utah*
Advisor: Dr. Mary Droser
- B.A., Oberlin College 2007
Major: Geology
Senior Research Topic: *An Analysis of the Taphonomic Signature of Mollusk Shells from Hydrocarbon Seep Assemblages in the Gulf of Mexico*
Advisor: Dr. Karla Hubbard

Teaching Experience

- Adjunct Professor, Chaffey College 2015 – 2016
GEOL 1: Physical Geology
GEOL 2: Historical Geology
- Lecturer, University of California, Riverside (Dept. of Earth Sciences) 2012 – 2016
GEO 3: Headlines in the History of Life
GEO 11: Global Climate Change & Sustainability
- Paleontology Teaching Fellow, Webb Schools Summer Programs 2014
Junior Paleontology Program
- Head Teaching Assistant, University of California, Riverside (Dept. of Earth Sciences) 2009 – 2014
GEO 5: Our Family of Planets
GEO 11: Global Climate Change & Sustainability

Teaching Assistant, University of California (Dept. of Earth Sciences)	2009 – 2012
GEO 3: Headlines in the History of Life	
GEO 4: Natural Hazards & Disasters	
GEO 8: Earthquake Country	
GEO 10: Earth Resources & Sustainability	
GEO 11: Global Climate Change & Sustainability	
GEO 152: Principles of Invertebrate Paleobiology & Paleoecology	

Education & Outreach Experience

Design Team Member, RiSMART (Rialto Integrating Science Math & Related Technologies CA Dept. of Education grant funded program)	2015 – 2016
Manger of Outreach Programs, UCR Dept. of Earth Sciences	2009 – 2015
Project Manager, Down to Earth Climate Change: Teaching Tomorrow's Leaders Today NASA Innovations in Climate Education program	2011 – 2014
Coordinator & Lecturer, 3 day middle school science teacher workshop In collaboration with the Institute for Earth Science Research & Education	2013
Lead Organizer, Refresh Riverside: A Climate & Sustainability Fair	2011 – 2012
Mentor, UC Riverside Undergraduates Cynthia Andres Stefanie Dimayuga Edween Hernandez James Minor Mounga Nonu Kirby Rutledge	2010 – 2014
Mentor, Riverside Unified School District high school students Connor Astran Sophia Bautista Emily Hughes	2013 – 2016
Science Olympiad Coach, Riverside STEM Academy	2014 – 2016
Guest Speaker, Youth Education Motivation Program Riverside Community College District	2011 – 2013
Science Fair Judge, Riverside Unified School District	2010 – 2014

Other Experience

Student blogger Sedimentary Geology, Time, Environment, Paleoclimatology, Paleontology, Energy (STEPPE)	2014
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President, Earth Science Graduate Student Association A division of the UC Riverside Graduate Student Association	2012 – 2013
Graduate Student Representative, UC Riverside Chancellor's Committee on Sustainability Global Climate Change Working Group	2012 – 2013
Graduate Student Researcher, UC Riverside Office of Sustainability	2013
Organizer, California Paleontology Conference	2012
Intern, UC Riverside Office for Strategic Communications Science Writing	2010

Awards

Graduate Student Award in Social Justice UC Riverside Women's Resource Center	2012
Outstanding Teaching Assistant UC Riverside Dept. of Earth Sciences	2010
Sigma Xi Oberlin College Chapter	2007

Grants & Fellowships

STEPPE Student Travel Grant	2014
Paleontology Teaching Fellowship	2014
UC Riverside Dept. of Earth Science Blanchard Fellowship	2012 – 2014
Western Society of Malacology, Student Research Grant	2010
North American Paleontological Conference, Student Travel Grant	2009
Geological Society of America, Student Research Grant	2009
Sigma Xi, Student Grant-in-Aid of Research	2009

Field Areas & Experience

Great Basin Region, Western United States (Ordovician, marine)
Barstow Formation, California (Miocene, terrestrial)
Coastal Southern California (Modern, marine)
Southern California (Cenozoic, marine)
Death Valley National Park (Lower Paleozoic, marine)

Gulf of Mexico (Modern, marine)
Eastern Colorado (Cretaceous, marine)

Professional Memberships

Geological Society of America (GSA)
Paleontological Society (PS)
National Association of Geoscience Teachers (NAGT)
Association for Women Geoscientists (AWG)
American Geophysical Union (AGU)
Sigma Xi
Inland Geological Society (IGS)

Publications

Dahl, R.M. and M.L. Droser. (2016) Building an effective and affordable K-12 geoscience outreach program from the ground up: A simple model for universities. *Journal of Geoscience Education*, 64(1):5-16, [doi: 10.5408/15-100.1](https://doi.org/10.5408/15-100.1)

Luque, J., H. Agic, E.P. Anderson, R. Dahl, M. Donovan, D.J. Field, Hodges, M., G.J. Motz, R. Roney, E.E. Saupe, S. Sheffield, L. Tackett, J.N. Tashman and Z. Wawrzyniak. (2015) Diversity in all its forms: IPC4 as an invaluable opportunity for STEPPE grant recipients. [*GSA Today*, 25\(1\):24-25.](#)

Invited Talks

Dahl, R.M. (2013) An introduction to Global Climate Change, for Science Content Through Notebooking (SCAN) teacher academy, Riverside County Office of Education

Dahl, R.M. (2013) Life as a paleontologist, for Expanding Horizons Summer Program, University of California, Riverside Extension.

Conference Abstracts

Dahl, R.M., M.L. Droser and K. Richards Dinger. (2015) Modeling the density of fossils from cross-section exposures: An example from the Ordovician of the Arrow Canyon Range, NV. *Geological Society of America Abstracts with Programs*, Paper No. 42-4 (poster)

Dahl, R.M. and M.L. Droser. (2014) Developing a simple and effective K-12 geoscience outreach program. *Geological Society of America Abstracts with Programs*, Paper No. 152-13 (talk)

Dahl, R.M. and M.L. Droser. (2014) Paleoecology of Ordovician gastropods from the Great Basin, USA. Abstract book of the 4th International Palaeontological Congress, p. 694 (poster)

Dahl, R.M. and M.L. Droser. (2014) Bellerophonitid gastropods of the Middle Ordovician Kanosh Shale. 10th North American Paleontological Convention, The Paleontological Society Special Publications, Session 39-4 (talk)

Dahl, R.M. and M.L. Droser. (2013) Down to earth climate change: Teaching Tomorrow's leaders today. NASA-NOAA-NSF Tri-Agency Meeting (poster)

Dahl, R.M., M.L. Droser, J.R. Robertson and D. Moore. (2013) Science fair mentoring for middle and high school students: A pathway across the STEM achievement gap for underrepresented students. Geological Society of American Abstracts with Programs, Paper No. 283-3 (talk)

Dahl, R.M. and M.L. Droser. (2012) Stuck in the mud: Paleoecology of Middle Ordovician Gastropods from the Ibex Region, Great Basin, USA. California Paleontology Conference, Session No. 1-1 (talk)

Dahl, R.M. and M.L. Droser. (2012) Using NASA climate data to improve effectiveness of undergraduate-level climate change education. American Geophysical Union Fall Meeting, Abstract ED33A-0745 (poster)

Dahl, R.M., L.G. Tarhan and M.L. Droser. (2012) Gastropod-dominated shellbeds from the Middle Ordovician Antelope Valley Limestone (Ikes Canyon, Toiyabe Range, NV). Geological Society of American Abstracts with Programs, Paper No. 158-3 (poster)

Dahl, R.M., D.D. Mrofka and M.L. Droser. (2011) Climate change, NASA, and new media: Engaging non-science undergraduate students in climate science education. American Geophysical Union Fall Meeting, Abstract ED14B-04 (talk)

Dahl, R.M., D.D. Mrofka and M.L. Droser. (2011) Engaging tomorrow's leaders today: Geoscience outreach in a diverse community. Geological Society of America Abstracts with Programs, Paper No. 195-6 (talk)

Dahl, R.M. and M.L. Droser. (2010) Paleoecological controls on the diversification of Middle Ordovician gastropods in Laurentia. Geological Society of America Abstracts with Programs, Paper No. 200-4 (talk)

Dahl, R.M. and K. Parsons-Hubbard. (2009) Taphonomic signature of mollusk shells from hydrocarbon seep assemblages. North American Paleontological Convention, v. 9 (poster)

Dahl, R.M. and K. Parsons-Hubbard. (2007) The taphonomic signature of bivalves inhabiting hydrocarbon seeps. Geological Society of American Abstracts with Programs, Paper No. 144-17 (poster)

Dahl, R.M., H.G. Close, K. Parsons-Hubbard and R. Shapiro. (2005) Paleoecology and topographic expression of a Cretaceous cold seep: A taphonomic analysis of the Tepee Butte Limestone. Geological Society of America Abstracts with Programs, Paper No. 57-41 (poster)

Morgan, V., R. Rudolph, H. Close, **R.M. Dahl**, K. Parsons-Hubbard and E. Bash. (2005) Faunal analysis and paleoecology of the Cretaceous Tepee Butte Limestones, Central Colorado. Geological Society of America Abstracts with Programs, Paper No. 57-40 (poster)

Bash, E., R.S. Shapiro, J. Anderson, H. Close, **R.M. Dahl**, V. Morgan, K. Parsons-Hubbard and R. Rudolf. (2005) Distribution and mapping of the Cretaceous Tepee Buttes of the Western Interior Seaway. Geological Society of America Abstracts with Programs, Paper No. 57-38 (poster)