

Christopher Matthew Moore

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EDUCATION	University of Nevada, Reno, United States	Aug 2008 – Jun 2014
	Doctor of Philosophy (Ph.D.) in Ecology, Evolution, and Conservation Biology <ul style="list-style-type: none">• Dissertation: Seed Dispersal and Dispersal Syndromes in Manzanitas, and Other Higher Plants• Advisor: Stephen B. Vander Wall	
	California State Polytechnic University, Pomona, United States	Sep 2000 – Mar 2005
	Bachelor of Science (B.S.) in Biology	
EMPLOYMENT	Postdoctoral research associate	Jul 2014 – present
	Case Western Reserve University, Biology Department	
	Graduate teaching associate	Aug 2008 – May 2014
	University of Nevada, Reno, Biology Department	
	Teaching associate	Summers in 2009, 2012, 2013
	University of Nevada, Reno, Biology Department	
	Graduate teaching associate	Aug 2006 – May 2008
	California State University, Fullerton, Department of Biological Science	
	Assistant microbiologist	May 2005 – May 2006
	Merle Norman Cosmetics, Inc.	
PUBLICATIONS	PEER-REVIEWED	
	<ol style="list-style-type: none">4) <u>C.M. Moore</u>, C. Stieha, B.C. Nolting, M. Cameron, and K.C. Abbott, “QPOT: An R Package for the Analysis of Two-Dimensional Stochastic Differential Equations,” <i>The R Journal</i>, <i>Submitted</i>.3) <u>C.M. Moore</u> and S.B. Vander Wall, “Scatter-Hoarding Rodents Disperse Seeds to Safe Sites in a Fire-Prone Ecosystem,” <i>Plant Ecology</i>, DOI: 10.1007/s11258-015-0497-1.2) S.B. Vander Wall, M.S. Enders, S. Barga, <u>C.M. Moore</u>, A. Seaman, and R. Perea, “Jeffrey Pine Seed Dispersal in the Sierra San Pedro Mártir, Baja California, Mexico,” <i>Western North American Naturalist</i>, vol. 72, no. 4, pp. 534–542, Dec 2012.1) <u>C.M. Moore</u> and M.L. Forister, “Let’s Give Them Something to Talk About: Choosing a Discussion Paper,” <i>Frontiers in Ecology and the Environment</i>, vol. 7, no. 9, pp. 501–502, Nov 2009.	
	OTHER	
	<ol style="list-style-type: none">4) <u>C.M. Moore</u>, “Seed Dispersal and Dispersal Syndromes in Manzanitas, and Other Higher Plants,” <i>Dissertation, University of Nevada, Reno</i>, May 2014.3) <u>C.M. Moore</u>, “The Jepson Manual: Vascular Plants of California edited by B.G. Baldwin, D.H. Goldman, D.J. Keil, R. Patterson, T.J. Rosatti, and D.H. Wilken,” <i>Western North American Naturalist</i>, vol. 74, no. 1, pp. 141-142, Feb 2014.2) <u>C.M. Moore</u>, “Pollination and Floral Ecology,” <i>Plant Science Bulletin</i>, vol. 57, no. 4, pp. 163-165, Winter 2011.1) <u>C.M. Moore</u>, “Invasives: Classify With Care,” <i>Science</i>, vol. 333, no. 6045, p. 936, Aug 2011.	
	SOFTWARE	
	<ol style="list-style-type: none">1) <u>C.M. Moore</u>, C. Stieha, B.C. Nolting, M. Cameron, and K.C. Abbott, “QPOT: An R Package for the analysis of two-dimensional stochastic differential equations,” <i>Submitted</i>.	

IN PREPARATION

- 6) J.W. Dittel, C.M. Moore, and S.B. Vander Wall “A Mismatch in Codiversification of Plant-Seed Dispersal Mutualist Diversity” *TBD*, *In preparation*.
- 5) C.M. Moore and K.C. Abbott, “The Population Dynamics of Mutualism: A Review” *TBD*, *In preparation*.
- 4) S.B. Vander Wall and C.M. Moore “Interaction Diversity of Seed Dispersal Mutualisms Across North America” *TBD*, *In preparation*.
- 3) C.M. Moore, S.A. Catella, and K.C. Abbott, “Explicit Birth and Death Functions Allow for Mechanistic Understanding of Population Dynamics Between Mutualists” *TBD*, *In preparation*.
- 2) K. Dixon, C.M. Moore, and K.C. Abbott, “Insular Spatial Structure Affects the Spread of Disease in a Two-Host Model” *Ecological Modelling*, *In preparation*.
- 1) C.M. Moore and S.B. Vander Wall, “Biotic, but not Abiotic Factors Influence Seed and Fruit Morphology in *Arctostaphylos*” *TBD*, *In preparation*.

PRESENTATIONS ORAL

- 8) C.M. Moore and S.B. Vander Wall, “Patterns of seed-dispersal interactions across temperate North America,” Ecological Society of America Annual Meeting, Aug 2014.
- 7) C.M. Moore, “Ecogeographic patterns of seed size in *Arctostaphylos* and *Ceanothus* across California,” The California Botanical Society Centennial Celebration Graduate Student Symposium, p. 46 Apr 2013.
- 6) C.M. Moore and S.B. Vander Wall, “Seed dispersal of Great Basin plants,” Northern California Botanists 2013 Symposium, p. 131, Jan 2013. **Invited.**
- 5) C.M. Moore and S.B. Vander Wall, “Ecogeographic patterns of seed size in two fire-adapted genera across the California Floristic Province,” Ecological Society of America Annual Meeting, Aug 2013.
- 4) C.M. Moore and S.B. Vander Wall, “A seed dispersal mutualism facilitated by fire in the California Floristic Province,” International MEDECOS Conferences XII, p. 110, 2011.
- 3) C.M. Moore and S.B. Vander Wall, “The little apple can fall far from the tree: Seed dispersal of greenleaf manzanita (*Arctostaphylos patula*),” Ecological Society of America Annual Meeting, p. 92, Aug 2011.
- 2) C.M. Moore and P. Stapp, “Effects of fire on rodents in a sagebrush-juniper community of the Mojave Desert,” Bulletin of the Southern California Academy of Sciences, vol. 107, no. 2, pp. 100-101, 2008.
- 1) C.M. Moore and P. Stapp, “Effects of fire on rodents in a sagebrush-juniper community of the Mojave Desert,” Trough to trough: the Colorado River and the Salton Sea, The 2008 Desert Symposium Field Guide and Proceedings, p. 114, 2008.

POSTER

- 2) C.M. Moore and S.B. Vander Wall, “Seed dispersal syndromes in a fire adapted plant,” Ecological Society of America Annual Meeting, p. 131, Aug 2012.
- 1) C.M. Moore and S.B. Vander Wall, “An ecological ménage à trois: a three-way interplay of plants, animals, and fire,” Frugivores and Seed Dispersal: Mechanisms and Consequences of a Key Interaction for Biodiversity. Program Abstracts, pp. 114-115, 2010.

NON-PRESENTER

- 4) J.W. Dittel, C.M. Moore, and S.B. Vander Wall, "Distribution of North American seed dispersers: A mismatch of richness between vertebrates and the plants they disperse," Ecological Society of America Annual Meeting, Aug 2015.
- 3) S.B. Vander Wall, C.M. Moore, J.W. Dittel, S.C. Barga, and A.E. Seaman, "Geographic distribution of rodent-seed dispersal mutualisms in North America," 5th International Conference on Rodent Biology and Management, 2014.
- 2) P. Stapp, M. Fowler, and C.M. Moore, "Post-fire recovery of rodent communities and vegetation in high-elevation Mojave Desert," Annual 88th Annual Meeting of the American Society of Mammalogists, 2014.
- 1) D.D. Jolles and C.M. Moore, "Evaluating the effects of dispersal and hybridization on phylogeography of southern Californian *Arctostaphylos* (Ericaceae)," Botanical Society of America: Botany 2012, 2012.

RESEARCH EXPERIENCE

- Postdoctoral research associate, **Case Western Reserve University** Jul 2014 – present
- Project: Population dynamics of mutualistic interactions
 - Supervisor: Karen C. Abbott
- Doctoral research, **University of Nevada, Reno** Aug 2008 – May 2014
- Project: Seed Dispersal and Dispersal Syndromes in Manzanitas, and Other Higher Plants
 - Supervisor: Stephen B. Vander Wall
- Post-graduate research, **California State University, Fullerton** Jun 2006 – May 2008
- Project: Effects of fire on rodent community structure and the influence of small mammals on post-fire vegetation recovery in sagebrush-juniper and Joshua tree habitats of the Mojave Desert
 - Supervisor: Paul Stapp
- MINOR**
- Field surveyor, **The Great Basin Institute** Jun 2009 – Jul 2009
- Project: Northern Goshawk (*Accipiter gentilis*) call-back surveys, Willow Flycatcher (*Empidonax traillii adastus, brewsteri*) call surveys, and small mammal live-trapping
 - Supervisor: Lynn Zimmerman
- Research assistant, **Smithsonian Tropical Research Institute** May 2008 – Aug 2008
- Project: Relative effects of arthropods, pathogens, and vertebrates on pre-dispersal seed removal in wet and dry forest canopies of Panama
 - Supervisors: Noelle Beckman, Helene Muller-Landau
- Research assistant, **California State University, Fullerton** Oct 2006 – Nov 2007
- Project: Population viability analysis of the Santa Ana woolly-star (*Eriastrum densifolium ssp. sanctorum*)
 - Supervisor: Youssef Atallah
- Undergraduate research, **California State Polytechnic University, Pomona** Mar 2005
- Project: Field studies course at the Southwestern Research Station in the Chiricahua Mountains, Arizona
 - Supervisor: David Moriarty
- Research assistant, **California State Polytechnic University, Pomona** Jun 2004 – Aug 2004
- Project: Post-fire regeneration vegetation and terrestrial vertebrates
 - Supervisor: Jeff Nordin
- Student research, **La Suerte Biological Field Station** Jun 2002 – Jul 2002
- Project: Courtship isolation mechanisms of Costa Rican anurans
 - Supervisors: Gregory McConnell
- Undergraduate field assistant, **Museum of San Bernardino** Mar 2001 – Jun 2001
- Project: Herpetological field data collection
 - Supervisor: Theresa Faye

TEACHING EXPERIENCE	Graduate teaching associate, University of Nevada, Reno • Course: Evolution (head TA 2012–2013) • Guest lecturer: Coevolution (Nov 2011), Adaptation (Mar 2013) • Supervisors: Guy Hoelzer, Mary M. Peacock, and David W. Zeh	Aug 2009 – May 2014
	Graduate teaching associate, University of Nevada, Reno • Course: Colloquium in Ecology, Evolution, and Conservation Biology • Supervisor: Lee A. Dyer	Aug 2011 – May 2014
	Teaching associate, University of Nevada, Reno • Course: Experimental field ecology	May –Jun 2009, 2012, 2013
	Graduate seminar organizer, University of Nevada, Reno • Courses: Principles of evolutionary biology (co-organized with Josh Jahner), Dispersal ecology and evolution (co-organized with Kevin Burls), The united neutral theory of biodiversity and biogeography • Supervisors: Guy Hoelzer, Matthew L. Forister, Elizabeth A. Leger	Spring 2010, 2011, 2013
	Graduate teaching associate, California State University, Fullerton • Courses: Evolution and Biodiversity • Supervisor: Bill Hoes, Sean Walker, Danielle Zacherl	Jun 2006 – May 2008
	MINOR	
	Guest lecturer and discussion co-leader Case Western Reserve University • Course: Quantitative Biology Laboratory • Supervisors: Chris Stieha and Sarah Diamond	Feb 2015
	Graduate teaching associate, University of Nevada, Reno • Courses: Biology, Principles and Applications; Comparative Animal Physiology; Organismal Biology • Supervisors: Charlotte Borgeson, Jeff Baguley, Joshua Steveson	Aug 2008 – May 2009
	Graduate assistant, California State University, Fullerton • Course: Basic biology for non-majors • Supervisor: Anne Houtman	Aug 2006 – Dec 2006
	Teaching assistant, California State Polytechnic University, Pomona • Course: SCUBA for beginners • Supervisor: Otto Gasser	Mar 2003 – Jun 2003
	AWARDS	
	George Whittell Graduate Fellowship, 2009–2013, \$13,700. Program in Ecology, Evolution, and Conservation Biology, University of Nevada, Reno, 2009–2013, \$6,359. Graduate Student Association, University of Nevada, Reno, 2010–2014, \$4,968. Capital Grant, Graduate Student Association, University of Nevada, Reno, 2010–2014, \$4,819. College of Science, University of Nevada, Reno, 2013, \$665. Northern California Botanists, 2013, \$200. MEDECOS, International Mediterranean Ecosystems Conference, 2011, \$465. University of Nevada, Reno, 2009, 2011 \$3,633. Wilson Award, Biology Department, University of Nevada, Reno, 2010, \$4,000. Arthur M. Sackler Colloquia of the National Academy of Sciences, 2009–2011, \$900. Judith A. Presch Desert Endowment Desert Research Scholarship, Desert Studies Consortium, 2007, \$300. California State University, Fullerton, 2006–2008, \$648.	
OTHER HONORS & AWARDS	Second place prize, Graduate Student Association Research Poster Competition, University of Nevada, Reno, 2014.	
	Second place prize, Graduate Student Association Research Presentation Competition, University of Nevada, Reno, 2010.	
	Best overall presentation, College of Natural Sciences and Mathematics, California State University, Fullerton, 2007.	
PROFESSIONAL AFFILIATIONS	Ecological Society of America	2007 – Present
	American Society of Naturalists	2014 – Present
	California Native Plant Society	2008 – 2014

SERVICE

PROFESSIONAL

Journal referee

Acta Theriologica, Forest Ecology and Management, Mitigation and Adaptation Strategies for Global Change, The Auk.

Presider, Ecological Society of America Annual Meeting, 2011–2015.

Judge, Braun and Buell Award, Ecological Society of American Annual Meeting, 2015.

Co-webmaster, Student Section, Ecological Society of America, 2007–2008.

UNIVERSITY

Vice President, Graduate Student Association, University of Nevada, Reno, 2012–2013.

College of Science representative, Graduate Student Association, University of Nevada, Reno, 2011–2013.

Parking and Traffic Board committee member, University of Nevada, Reno, 2011–2013.

Vada Tremble Outstanding Mentor Award Judge, Graduate Student Association, University of Nevada, Reno, 2013.

Judge, Milton Glick Memorial Scholarship, Graduate Student Association, University of Nevada, Reno, 2013.

PROGRAM

Judge, Michelson-Morley Research Competition, Department of Biology, Case Western Reserve University, 2015.

Colloquium speaker host, Program in Ecology, Evolution, and Conservation Biology, University of Nevada, Reno

Adam Siepielski (University of San Diego, 2013), F. Andy Jones (Oregon State University, 2012), V. Thomas Parker (San Francisco State University), Steve Hubbell (University of California, Los Angeles, 2011), Tomás Carlo (Penn State University, 2011), John R. Paul (Colorado State University, 2010), Judith Bronstein (University of Arizona, 2010).

Workshop designer and presenter, “How to build a website at UNR,” Program in Ecology, Evolution, and Conservation Biology, University of Nevada, Reno, 2011 and 2012.

Colloquium committee, Program in Ecology, Evolution, and Conservation Biology, University of Nevada, Reno, 2010–2013.

Listserv administrator, Program in Ecology, Evolution, and Conservation Biology and the Biology Department, University of Nevada, Reno, 2009–2014.

Webmaster, Program in Ecology, Evolution, and Conservation Biology, University of Nevada, Reno, 2009–2010.

Department speaker host, Matthew Brooks (United States Geological Survey) Department of Biological Science, California State University, Fullerton, 2008.

Webmaster, Biology Graduate Student Club, California State University, Fullerton, 2007–2008.

Vice President, Biology Graduate Student Club, California State University, Fullerton, 2007–2008.

COMMUNITY

Science fair judge, Coral Academy of Science May 2014.

Science outreach volunteer, Northern Nevada Big Brothers Big Sisters, 2010–2012.

Workshop leader, Upward Bound, University of Nevada, Reno, 2009.

Invited speaker, Inside the Outdoors, Orange County Department of Education, March 2008.

LANGUAGES

English: Native language

Spanish: Basic (speaking, reading, writing)

SOFTWARE

Skilled in R, \LaTeX , GIMP, iWork and Office suites, and proficient in many others

INTERESTS

Cycling, running, hiking, botanizing, gardening, cooking, photography, and classical guitar.

REFERENCES

Karen C. Abbott, Associate Professor

Case Western Reserve University, Department of Biology
10900 Euclid Avenue, Cleveland, Ohio, United States
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Stephen B. Vander Wall, Professor

University of Nevada, Reno, Department of Biology
1664 North Virginia Avenue, Reno, Nevada, United States
sv@unr.edu • +1 (775) 784-6583

Guy Hoelzer, Associate Professor
University of Nevada, Reno, Department of Biology
1664 North Virginia Avenue, Reno, Nevada, United States
hoelzer@unr.edu • +1 (775) 784-6188

V. Thomas Parker, Professor
San Francisco State University, Department of Biology
1600 Holloway Avenue, San Francisco, California, United States
parker@sfsu.edu • +1 (415) 338-2375

[CV compiled on 2015-07-26]