

Robin W. Warne

Department of Biology
University of New Mexico
Albuquerque, NM 87131

rwarne@unm.edu
www.unm.edu/~rwarne
(505)277-1297

EDUCATION

Ph.D. Candidate, Department of Biology, University of New Mexico 2002-present
B.A. Biology, University of California at Santa Cruz. 1992-1996

PROFESSIONAL EXPERIENCE

2006-present NSF GK-12 Fellow; University of New Mexico
2005-2006 Biocomplexity Fellow; University of New Mexico
2003-2005 Research Assistant; Biology Dept, University of New Mexico
2002-2003 Teaching Assistant; Biology Dept, University of New Mexico
1998-2002 Carpenter; Affordable Plumbing & Construction, Santa Cruz, CA
1995-present Martial Arts Instructor (6th Degree Blackbelt); Bujinkan Dojo, CA & NM
1996-1997 English Teacher; Germany
1995-1996 Research Technician; Santa Cruz Predatory Bird Research Group, CA

RESEARCH INTERESTS

The ecology, physiology and evolution of life histories; and the linkage of these processes to ecosystem level resource dynamics; climate variability and temporal resource dynamics in food webs; evolution and physiology of reproductive trade-offs in lizards; ecology, conservation and natural history of North American deserts.
Approaches: field based ecology, laboratory based physiology, stable isotope methodology, and modeling.

SELECTED RESEARCH EXPERIENCE

2005-present Independent Researcher and Research Fellow; Univ. New Mexico, Albuquerque, NM and Sevilleta LTER, NM.
2003-2005 Research Assistant to Dr. Blair Wolf, Biology Dept. Univ. New Mexico.
1995-1996 Research Technician; Santa Cruz Predatory Bird Research Group, Univ. of California at Santa Cruz, CA.
1995-1996 Independent Researcher; Undergraduate research thesis- Incubation behavior of the golden eagle, *Aquila chrysaetos*; Univ. of California at Santa Cruz.
1994-1995 Independent Researcher; Breeding bird survey and habitat distribution map for Fort Ord Natural Reserve; UC Natural Reserve System.

TEACHING EXPERIENCE

2007-present As a GK-12 Fellow funded by NSF, I develop and implement inquiry based science labs to inspire and educate 6th grade students at the Laguna Pueblo Middle School, NM.
• I also help teach outdoor-experientially based ecology and leadership skills to “at risk teens” as part of the *Project Venture* after school program.
2006-2007 NSF GK-12 Fellow, Saracino Middle School, Socorro, NM.
2002-2003 As a teaching assistant for *Cell biology* I developed weekly labs, quizzes and homework to augment the information taught in lectures. Univ. New Mexico

TEACHING EXPERIENCE cont.

1995-present For the past 12 years I have dedicated myself to teaching the martial art of *Bujinkan Budo Taijutsu*. In that time I have had the honor of granting eight black belt (and higher degrees) to my students.

FELLOWSHIPS & AWARDS

2006-2008 NSF GK-12 Fellowship; \$60,000.
 2005-2006 NSF-UNM Biocomplexity Fellowship; \$25,000.
 2006 Sevilleta LTER Summer Research Fellowship; \$3,500.
 2006 Best Student Poster Award, UNM Biology Dept. Research Day

RESEARCH GRANTS

2007 NSF-DDIG Doctoral Dissertation Improvement Grant (DEB-0710128); \$12,000.
 2006 UNM Research and Travel Grant; \$650
 2005 Sigma Xi Grant-in-Aid of Research; \$950.
 2005 Grove Research Scholarship; \$750.
 2003, 05 Research Grant, UNM Graduate Resource Allocation Committee; \$450.
 2003, 05 Research Grant, UNM Graduate Professional Student Association; \$700.

PEER REVIEWED PUBLICATIONS

Charnov, E.L., **R.W. Warne**, and M. Moses. 2007. Lifetime reproductive effort. *American Naturalist* 170(6):E129-E142.

Warne, R.W., and E.L. Charnov. (In Review). Reproductive allometry and the size-number trade-off in lizards. *American Naturalist*.

Warne, R.W., A.D. Pershall, and B.O. Wolf. (In Review). Linking precipitation and C₃ - C₄ primary production to resource dynamics in higher trophic level consumers. *Ecology*.

MANUSCRIPTS IN PREPARATION

Warne, R.W., H. Lease, and B.O. Wolf. (In Prep). Seasonal and trophic variation in $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ of a Sonoran Desert macro-invertebrate food web.

Wolf, B.O., **R.W. Warne**, C. Mathiasen; and A. McKechnie. (In Prep). Water and energy balance of a desert bird community: The importance of columnar cacti.

PROFESSIONAL SERVICE

2006-present Chair, BGSA Graduate Resource Allocation Committee
 2004-2005 Co-President, Biology Graduate Student Association (BGSA), Univ. of New Mexico
 2004 Chair, Southwestern Association of Biologists (SWAB)
 • Coordinated annual conference

PRESENTATIONS AT SCIENTIFIC MEETINGS

2007 **Warne, R.W.**, A.D. Pershall, and B.O. Wolf. *Conference of the Guild of Rocky Mountain Evolutionary and Ecological Biologists (GREEBS)*.
 2007 **Warne, R.W.** *Sevilleta LTER Summer Research Symposium*.

PRESENTATIONS cont.

- 2007 **Warne, R.W.**, A.D. Pershall, and B.O. Wolf. *Annual Conference of the Society of Integrative and Comparative Biology (SICB)*.
- 2007 Pershall, A.D., **R.W. Warne**, and B.O. Wolf. *SICB Annual Conference*.
- 2007 Pershall, A.D., **R.W. Warne**, and B.O. Wolf. *Annual Conference of the American Society of Mammalogists*.
- 2007 **Warne, R.W.**, A.D. Pershall, and B.O. Wolf. *UNM Biology Department Research Day*.
- 2006 **Warne, R.W.**, A.D. Pershall, and B.O. Wolf. *Long Term Ecological Resesearch Sites (LTER) All Scientist Meeting*.
- 2006 **Warne, R.W.**, A.D. Pershall, and B.O. Wolf. *UNM Biology Department Research Day*.
- 2006 Pershall, A.D., **R.W. Warne**, and B.O. Wolf. *UNM Biology Department Research Day*.
- 2006 **Warne, R.W.**, A.D. Pershall, and B.O. Wolf. *Sevilleta LTER Research Symposium*.
- 2006 **Warne, R.W.**, A.D. Pershall, and B.O. Wolf. *SICB Annual Conference*.

MANUSCRIPT REVIEWS

Proceedings of the National Academy of Sciences
Ecology
Physiological and Biochemical Zoology
Oecologia
Journal of Experimental Biology
Theoretical Population Biology

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Society of Integrative and Comparative Biology
 Ecological Society of America
 American Society of Ichthyologists and Herpetologists
 Sigma Xi