
CURRICULUM VITAE
Michael P. LeMaster

PERSONAL:

Address: Department of Biology *Social Security Number:* XXXXXXXXXXXXX
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EDUCATION:

2001 Ph.D. Oregon State University – Corvallis, Oregon
Department of Zoology (*Doctoral Advisor:* Robert T. Mason)
Title: Phenotypic Variation in the Female Sexual Attractiveness
Pheromone of the Red-sided Garter Snake, *Thamnophis sirtalis*
parietalis

1994 B.S. Pacific Lutheran University, Tacoma, Washington
Biology (*summa cum laude*)

PROFESSIONAL EXPERIENCE:

2003 – Present Assistant Professor Western Oregon University, Monmouth, Oregon
Department of Biology

2001 – 2003 Adjunct Assistant Western Oregon University, Monmouth, Oregon
Professor Department of Biology

1999 – 2002 Instructor Oregon State University, Corvallis, Oregon
Department of Zoology

1995 – 2001 Teaching Assistant Oregon State University, Corvallis, Oregon
Department of Zoology

HONORS AND AWARDS:

2006 Faculty Academic Advisor of the Year, Western Oregon University

2001 Founders' Award – Best Student Poster (Honorable Mention), Animal
Behavior Society

2001 Travel Award, International Society of Chemical Ecology

2000 Frolander Graduate Student Teaching Award, Oregon State University

1996 National Science Foundation Pre-doctoral Fellowship (Honorable
Mention)

1996 Department of Defense Pre-doctoral Fellowship (Honorable Mention)

COURSES TAUGHT:

Western Oregon University:

- GS 201 – Honors Biology (2003 – 2004)
- BI 101 – General Biology (2002)
- BI 102 – General Biology (2001 – 2003, 2005)
- BI 103 – General Biology (2002 – 2003)
- BI 212 – Principles of Biology (2004 – 2008)
- BI 317 – Vertebrate Natural History (2005 / 2007)
- BI 324 – Comparative Vertebrate Anatomy (2004, 2006)
- BI 234 – Human Anatomy and Physiology (2002 – 2007)
- BI 236 – Human Anatomy and Physiology (2008)
- BI 334 – Advanced Human Anatomy and Physiology (2007)
- BI 335 – Human Anatomy and Physiology (2003 – 2006)
- BI 336 – Human Histology and Physiology (2006)
- BI 370 – Environmental Science (2004)
- BI 424 – Cadaver Dissection (2004 – 2008)
- BI 434 – Animal Physiology (2007)
- BI 437 – Endocrinology (2004, 2006, 2008)

Oregon State University:

Instructor:

- BI 332 – Human Anatomy and Physiology (1999)
- BI 333 – Human Anatomy and Physiology (2000 – 2002)

Teaching Assistant (1995 – 2001)

- General Biology Laboratory
- Human Anatomy and Physiology Laboratory
- Histology Laboratory
- Cell Biology Laboratory

TEACHING GRANTS AWARDED:

2004	Student Technology Fee Committee Grant, Western Oregon University (\$16,500)
2002	PT3 Mini-grant, Western Oregon University (Tom Kelly, principal author - \$8000)

ACADEMIC ADVISING:

2004 - Present	Pre-nursing (~ 100 advisees / year)
2003 - Present	General Biology – Zoology Emphasis (~ 10 advisees / year)
2003 – 2006	Pre-veterinary (~ 5 advisees / year)

INSTITUTIONAL SERVICE:

2005 – Present	Faculty Development Committee (2007 – Chair), Western Oregon University
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2004 – Present	Animal Care and Use Committee (Chair), Western Oregon University
2007	Search Committee for Tenure-track Biology Faculty (2 positions), Western Oregon University
2007	Search Committee for Academic Advisor (2 positions), Western Oregon University
2007	Search Committee for Academic Advisor (Chair), Western Oregon University
2004 – 2007	Student Conduct Committee, Western Oregon University
2003 – 2006	Division of Natural Science and Mathematics Curriculum Committee (Chair: 2005 – 2006), Western Oregon University
2005	Search Committee for Academic Advisors (3 positions), Western Oregon University
2005	Search Committee for Director of Academic Advising and Enrichment Program, Western Oregon University
2004	General Scholarship Committee, Western Oregon University
1997	Search Committee for Tenure-track Physiology Faculty Position, Oregon State University

PROFESSIONAL SERVICE:

Journal Reviewer:

- Journal of Chemical Ecology
- Chemoecology
- Hormones and Behavior
- Conservation Biology
- Copeia
- Journal of Ethology

Conference Organizer:

- Academic Excellence Showcase, Western Oregon University (2006 – 2008), Biology Session Chair / Co-chair
- Central Western Oregon Science Expo, Western Oregon University (2006), Biology Session Chair
- Chemical Signals in Vertebrates X, Oregon State University (2003), Member of Organizing Committee

Conference Judge:

- Central Western Oregon Science Expo, Western Oregon University (2005, 2006, 2007)
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PROFESSIONAL MEMBERSHIPS:

Human Anatomy and Physiology Society (2005 – Present)
 Animal Behavior Society (2001 – 2004)

RESEARCH GRANTS AWARDED:

2008	Faculty Development Award (Major Projects), Western Oregon University (\$2650)
2006	Faculty Development Award (Travel) , Western Oregon University (\$725)

2006	Faculty Development Award (Major Projects), Western Oregon University (\$2540)
2004	Faculty Development Award (Major Projects), Western Oregon University (\$3000)
2003	Faculty Development Award (Major Projects), Western Oregon University (\$2400)
2002	Faculty Development Award (Travel), Western Oregon University (\$500)
1999	Sigma Xi Grants-in-Aid of Research, Oregon State University (\$625)
1997	Sigma Xi Grants-in-Aid of Research, Oregon State University (\$600)

PUBLICATIONS:

Edited Books:

Mason, R.T., **LeMaster, M.P.**, and Muller-Schwarze, D. (eds.). 2005. *Chemical Signals in Vertebrates 10*. 432 pgs. – Springer, New York, New York.

Refereed Chapters in Books:

LeMaster, M.P., Stefani, A., Shine, R. and Mason, R.T. 2007. Cross-dressing in Chemical Cues: Exploring she-maleness in newly-emerged male garter snakes. In: *Chemical Signals in Vertebrates XI*.

LeMaster, M.P. and Mason, R.T. 2001. Annual and seasonal variation in the female sexual attractiveness pheromone of the red-sided garter snake, *Thamnophis sirtalis parietalis*. In: *Chemical Signals in Vertebrates IX* (eds. A. Marchlewska-Koj, J. Lepri & D. Müller-Schwarze). Plenum Press, 369-374.

Torgersen, C.E., J.A. Jones, A.R. Moldenke and **LeMaster, M.P.** 1995. The spatial heterogeneity of soil invertebrates and edaphic properties in an old growth forest stand in western Oregon. In: *The Significance and Regulation of Soil Biodiversity* (eds. HP Collins, GP Robertson and MJ Klug). Kluwer Academic Publishers, 225-236.

Peer-reviewed Journal Articles:

Lutterschmidt, D.I., **LeMaster, M.P.**, and Mason, R.T. 2006. Minimal over-wintering temperatures of red-sided garter snakes (*Thamnophis sirtalis parietalis*): A possible cue for emergence? *Canadian Journal of Zoology* 84:771-777.

Lutterschmidt, D.I., **LeMaster, M.P.**, and Mason R.T. 2004. Effects of melatonin on the behavioral and hormonal responses of red-sided garter snakes (*Thamnophis sirtalis parietalis*) to exogenous corticosterone. *Hormones and Behavior* 46:692-702.

Shine, R., **LeMaster, M.**, Wall, M., Langkilde, T., and Mason, R.T. 2004. Why did the snake cross the road? Effects of roads on movement and mate-location by garter snakes (*Thamnophis sirtalis parietalis*). *Ecology and Society* 9:9.

Shine, R., Phillips, B., Wayne, H., **LeMaster, M.**, and Mason, R.T. 2004. Species isolating mechanisms in a mating system with male mate choice (garter snakes, *Thamnophis*). *Canadian Journal of Zoology* 82:1091-1098.

Shine, R., Phillips, B., Wayne, H., **LeMaster, M.**, and Mason, R.T. 2003. Chemosensory cues allow courting male garter snakes to assess body length and body condition of potential mates. *Behavioral Ecology and Sociobiology* 54:162-166.

- LeMaster, M.P.** and Mason, R.T. 2003. Pheromonally-mediated sexual isolation between denning populations of red-sided garter snakes, *Thamnophis sirtalis parietalis*. *Journal of Chemical Ecology* 29:1027-1043.
- Shine, R., Phillip, B., Wayne, H., **LeMaster, M.**, and Mason, R.T. 2003. The lexicon of love: what cues cause size-assortative courtship by male garter snakes? *Behavioral Ecology and Sociobiology* 53:234-237.
- Shine, R., Reed, R.N., Shetty, S., **LeMaster, M.**, and Mason, R.T. 2002. Reproductive isolating mechanisms between two sympatric sibling species of sea snakes. *Evolution* 56:1655-1662.
- LeMaster, M.P.** and Mason, R.T. 2002. Variation in a sexual attractiveness pheromone controls male mate choice garter snakes. *Journal of Chemical Ecology* 28:1269-1285.
- Shine, R., Phillips, B., Wayne, H., **LeMaster, M.P.**, and Mason, R.T. 2001. Advantage of female mimicry in snakes. *Nature* 414:267.
- LeMaster, M.P.**, Moore, I.T., and Mason, R.T. 2001. Conspecific trailing behavior of red-sided garter snakes (*Thamnophis sirtalis parietalis*) in the natural environment. *Animal Behaviour* 61:827-833.
- LeMaster, M.P.** and Mason R.T. 2001. Evidence for a female sex pheromone mediating male trailing behavior in the red-sided garter snake, *Thamnophis sirtalis parietalis*. *Chemoecology* 11:149-152.
- Shine, R., O'Connor, D., **LeMaster, M.P.**, and Mason, R.T. 2001. Pick on someone your own size: Ontogenetic shifts in mate choice by male garter snakes result in size-assortative mating. *Animal Behaviour* 61:1133-1141.
- Shine, R., Elphick, M.J., Harlow, P.S., Moore, I.T., **LeMaster, M.P.**, and Mason, R.T. 2001. Movements, mating and dispersal of red-sided garter snakes from a communal den in Manitoba. *Copeia* 2001:82-91.
- Shine, R., **LeMaster, M.P.**, Moore, I.T., Olsson, M.M., and Mason, R.T. 2001. Bumpus in the snake den: Effects of sex, size and body condition on mortality of red-sided garter snakes. *Evolution* 55:598-604.
- Shine R, Olsson M.M., **LeMaster M.P.**, Moore I.T, and Mason R.T. 2000. Are snakes right-handed? Asymmetry in hemipenis size and usage in garter snakes (*Thamnophis sirtalis*). *Behavioral Ecology* 11(4):411-415.
- Shine, R., Olsson, M.M., **LeMaster, M.P.**, Moore, I.T., and Mason, R.T. 2000. Effects of sex, body size, temperature, and location on the antipredator tactics of free-ranging garter snakes (*Thamnophis sirtalis*, Colubridae). *Behavioral Ecology* 11(3):239-245.
- Moore, I.T., **LeMaster, M.P.** and Mason, R.T. 2000. Behavioral and hormonal responses to capture stress in the male red-sided garter snake, *Thamnophis sirtalis parietalis*. *Animal Behaviour* 59:529-534.
- Shine, R., Olsson, M.M., Moore, I.T., **LeMaster, M.P.**, Greene, M. and Mason, R.T. 2000. Body size enhances mating success in male garter snakes. *Animal Behaviour* 59:F4-F11.

Shine, R., Olsson, M.M., Harlow, P., **LeMaster, M.P.**, Moore, I.T., and Mason, R.T. 2000. The transvestite serpent: Why do some male garter snakes court (some) other males? *Animal Behaviour* 59:349-359.

Shine, R., Olsson, M.M., Moore, I.T., **LeMaster, M.P.** and Mason, R.T. 1999. Why do male snakes have longer tails than females? *Proceedings of the Royal Society Series B* 266:2147-2151.

PRESENTATIONS AT SCIENTIFIC CONFERENCES:

2006	July	Chemical Signals in Vertebrates (XI) Meeting, Chester, England (Poster)
2005	Feb.	Society of Northwestern Vertebrate Biology Meeting, Corvallis, Oregon (Poster)
2005	Jan.	Society for Integrative and Comparative Biology, New Orleans, Louisiana (Poster)
2004	Jan.	Society for Integrative and Comparative Biology, San Diego, California (Poster)
2003	July	Chemical Signals in Vertebrates (X) Meeting, Corvallis, Oregon (Talk)
2002	Aug.	19 th Meeting of the International Society of Chemical Ecology, Hamburg, Germany (Poster)
2001	July	18 th Meeting of the International Society of Chemical Ecology, Reno, Nevada (Talk)
2001	July	Animal Behavior Society Meeting – Corvallis, Oregon (Poster)
2000	July	Chemical Signals in Vertebrates (IX) Meeting, Krakow, Poland (Poster)
1998	Mar.	Society for Northwest Vertebrate Biology Meeting, Olympia, Washington (Talk)
1997	July	14 th Meeting of the International Society of Chemical Ecology, Vancouver, Canada (Talk)
1997	June	ASIH / SSAR / ELHS-AFS / AES / GIS Annual Meetings, Seattle, Washington (Talk)

INVITED SEMINARS:

2006	Portland State University, Portland, Oregon
2003	Georgia Tech University, Atlanta, Georgia
2002	Western Oregon University, Monmouth, Oregon
2001	Western Oregon University, Monmouth, Oregon
2001	Pacific University, Forest Grove, Oregon

COMMUNITY SERVICE:

2004 – Present	Cadaver tours for local schools
2006	Speaker to the WOU Retirees Association (Annual Meeting)
2004 – 2005	Co-leader of WAMS (Western Adventures in Math and Science) programs for middle / high school students, Western Oregon University
1999 – 2001	Speaker to the Oregon State University sponsored “Youth Leadership Program” for local high school students

1999 Featured participant in children's book titled "The Snake Scientist,"
published by Houghton Mifflin Company (Boston)
1999 Information source / Videographer for Oregon Field Guide (television)
1997 – 1998 Speaker at "Da Vinci Days" (community festival), Corvallis, Oregon
