

Department of Biology  
University of Louisiana at Lafayette  
Lafayette, LA 70504-2451

Phone: (337) 482-5662  
Fax: (337) 482-5660  
E-mail: BradMoon@louisiana.edu  
Web: <http://www.louisiana.edu/~brm2286>

## PROFESSIONAL APPOINTMENTS

The South Louisiana Mid-Winter Fair/BORSF Professorship, University of Louisiana at Lafayette, Department of Biology, 2013–2017 & renewed 2017–present  
Professor, University of Louisiana at Lafayette, Department of Biology, 2017–present  
Associate Professor, University of Louisiana at Lafayette, Department of Biology, 2008–2017  
Assistant Professor, University of Louisiana at Lafayette, Department of Biology, 2001–2008  
Curatorial Associate, Burke Museum of Natural History and Culture, Seattle, WA, 1999–2005  
Senior Fellow, University of Washington, Department of Radiology, Seattle, WA, 1999–2001  
Instructor, University of Puget Sound, Tacoma, WA, 1998

## ADMINISTRATIVE APPOINTMENTS

Graduate Coordinator and Chair of Graduate Studies Committee, Department of Biology, University of Louisiana at Lafayette, 2012–present

## EDUCATION

Ph.D. in Biology, The University of Michigan, Ann Arbor, 1998 (Advisor: Dr. Carl Gans)  
M.S. in Ecology & Evolutionary Biology, University of Arizona, Tucson, 1992 (Advisor: Dr. David Vleck)  
B.A. in Biology, University of California, Santa Cruz, 1988 (Advisor: Dr. Kenneth Norris)

## PEER-REVIEWED PUBLICATIONS (\* = UL Lafayette student)

- Moon, B.R., Penning\*, D.A., Segall, M., and Herrel, A. 2019. Feeding in snakes: form, function, and evolution of the feeding system. In: *Feeding in Vertebrates: Anatomy, Biomechanics, and Evolution* (ed. V. Bels and I.Q. Whishaw). Springer International Publishing, Cham. Pp. 527-574.
- Penning\*, D.A., and B.R. Moon. 2017. The King of Snakes: Performance and Morphology of Intraguild Predators (*Lampropeltis*) and their Prey (*Pantherophis*). *Journal of Experimental Biology* 220:1154-1161. (*journal impact factor* = 3.32; *Altmetric score* = 185 on 1 September 2017, placing it in the top 0.5% of media attention out of 8,282,830 papers tracked and the top 6.5% of *Journal of Experimental Biology papers*. *Media coverage reached estimated 1,220,471,108 viewers globally.*)
- Penning\*, D.A., B. Sawvel\*, and B.R. Moon. 2016. Debunking the viper's strike: harmless snakes kill a common assumption. *Biology Letters* 12:20160011. doi: 10.1098/rsbl.2016.0011. Cover photograph published on issue 12(4). *Cited 1 time through 12/2016.* (*journal impact factor* = 2.83; *Altmetric score* = 195 on 29 September 2016, placing it in the top 0.3% of media attention out of 6,243,909 papers tracked and the top 2.4% of *Biology Letters papers*. *Media coverage reached est. 100 million people.*)
- Penning\*, D.A., S.F. Dartez\*, and B.R. Moon. 2015. The big squeeze: scaling of constriction pressure in two of the world's largest snakes, *Python reticulatus* and *Python molurus bivittatus*. *Journal of Experimental Biology* 218(21):3364–3367. doi: 10.1242/jeb.127449. Cover photograph also published with this paper.
- Hampton\*, P.M. and B.R. Moon 2013. Gape Size, its Morphological Basis, and the Validity of Indirect Gape Indices in Western Diamond-backed Rattlesnakes (*Crotalus atrox*). *Journal of Morphology* 274:194–202. doi: 10.1002/jmor.20087.
- Delahoussaye, A.J., B.R. Moon, and M.A. Rees. 2012. Zooarchaeology of the portage mounds site (16SM5) in southern Louisiana. *Louisiana Archaeology* 39:5–31 (issue dated 2012, published 2015).

- Olivier\*, H.M. and B.R. Moon. 2010. The Herbicide Atrazine Disrupts the Symbiotic Relationship Between Amphibian Embryos and a Symbiotic Alga. *Ecotoxicology* 19:654–661
- Moon, B.R. and A.M. Rabatsky\*. 2009. Is there an optimal length for the rattlesnake rattle? Pp. 101–110 in: W.K. Hayes, K.R. Beaman, M.D. Cardwell, and S.P. Bush (Editors), *The Biology of Rattlesnakes*. Loma Linda Univ. Press, Loma Linda, California. (*Peer-reviewed book chapter*)
- Savitzky, A.H. and B.R. Moon. 2008. Tail Morphology in the Western Diamond-backed Rattlesnake, *Crotalus atrox*. *Journal of Morphology* 269:935–944. .
- Vincent, S.E., B.R. Moon, A. Herrel, and N.J. Kley. 2007. Are ontogenetic shifts in diet linked to shifts in feeding mechanics? Scaling of the feeding system in the banded watersnake, *Nerodia fasciata*. *Journal of Experimental Biology* 210:2057–2069. Cover photograph also published with this paper.
- Moon, B.R. and R.S. Mehta. 2007. Constriction strength in snakes. Pp. 207–212 in: R.W. Henderson and R. Powell (Editors), *Biology of the Boas and Pythons*. Eagle Mountain Publishing. (*Peer-reviewed book chapter*)
- Vincent, S.E., B.R. Moon, R. Shine, and A. Herrel. 2006. The functional meaning of “prey size” in snakes: Influence of prey dimensions on feeding kinematics and performance in water snakes (*Nerodia fasciata*). *Oecologia* 147:204–211.
- Moon, B.R. and A. Tullis. 2006. The ontogeny of contractile performance and metabolic capacity in a high-frequency muscle. *Physiological and Biochemical Zoology* 79:20–30.
- Moon, B.R. 2006. From physiology to fitness: The costs of a defensive adaptation in rattlesnakes. *Physiological and Biochemical Zoology* 79:133–139.
- Moon, B.R., C.S. Ivanyi. and J. Johnson. 2004. Identifying individual rattlesnakes using tail pattern variation. *Herpetological Review* 35(2):154–156.
- Moon, B.R., M.R. Urquhart, S.L. Lindstedt. and K.E. Conley. 2003. Minimal shortening in a high frequency muscle. *Journal of Experimental Biology* 206(8):1291–1297.
- Moon, B.R., T.J. LaDuc, R. Dudley, and A. Chang. 2002. A twist to the rattlesnake tail. Pp. 63–76 in: P. Aerts, K. D'Août, A. Herrel, and R. Van Damme (Editors), *Topics in Functional and Ecological Vertebrate Morphology*. Maastricht: Shaker Publishing B.V. (*Peer-reviewed book chapter*)
- Moon, B.R., J.J. Hopp, and K.E. Conley. 2002. Mechanical tradeoffs explain how performance increases without increasing cost in rattlesnake tailshaker muscle. *Journal of Experimental Biology* 204(5):667–675. Cover photograph also published with this paper; also highlighted in the "In this issue" section.
- Moon, B.R. 2001. Muscle physiology and the evolution of the rattling system in rattlesnakes. *Journal of Herpetology* 35:497–500.
- Moon, B.R. and W.P. Leonard. 2001. A semiarboreal nest of the American shrew-mole, *Neurotrichus gibbsii*. *Northwestern Naturalist* 82:26–27.
- Moon, B.R. 2000. The mechanics of swallowing and the muscular control of diverse behaviours in gopher snakes. *Journal of Experimental Biology* 203(17):2589–2601.
- Moon, B.R. 2000. The mechanics and muscular control of constriction in gopher snakes (*Pituophis melanoleucus*) and a king snake (*Lampropeltis getula*). *Journal of Zoology* 252(1):83–98.
- Moon, B.R. 1999. Testing an inference of function from structure: Snake vertebrae do the twist. *Journal of Morphology* 241(3):217–225.
- Moon, B.R. and C. Gans. 1998. Kinematics, muscular activity, and propulsion in gopher snakes. *Journal of Experimental Biology* 201(19):2669–2684.
- Moon, B.R. and T. Candy. 1997. Muscular and coelomic cross-sectional areas in three families of snakes. *Journal of Herpetology* 31:37–44.
- Moon, B.R. 1996. Sampling rates, aliasing, and the analysis of electrophysiological signals. *Proceedings of the 15th Southern Biomedical Engineering Conference*, pp. 401–404. Piscataway, NJ: IEEE Service Center.
- Zug, G.R. and B.R. Moon. 1995. Systematics of the South Pacific slender-toed geckos, *Nactus pelagicus* complex: Oceania, Vanuatu, and Solomon Islands populations. *Herpetologica* 51:77–90.

**MANUSCRIPTS SUBMITTED & IN REVIEW (asterisks indicate UL Lafayette students)**

Penning\*, D.A., B. Sawvel\*, and B.R. Moon. *In revision*. The scaling of terrestrial strike performance in western ratsnakes (*Pantherophis obsoletus*). 16 manuscript pages + 2 tables and 4 figures.

**OTHER PUBLICATIONS (not peer-reviewed; asterisks indicate UL Lafayette students)**

Rabatsky\*, A.M., T. LaDuc, B.R. Moon. 2013. *Crotalus catalinensis* (Santa Catalina Island rattlesnake) diet. *Herpetological Review* 44(2):329–330. (International journal that publishes both refereed and non-refereed papers.)

Moon, B.R., A.J. Delahoussaye, M. Rees, A.P. Alvarado, and T. Arnold\*. 2012. “Frogzilla” and Other Amphibians from the Portage Mounds Site. *Newsletter of the Louisiana Archaeological Society* 40(2):10–11. (*Non-peer-reviewed regional newsletter that presents current research activity to a broad audience of both scientists and non-scientists in Louisiana and nearby states.*)

Perry, G., J. Bertoluci, B. Bury, R.W. Hansen, R. Jehle, J. Measey, B.R. Moon, E. Muths, and M.A.L. Zuffi. 2012. Editorial: The "Peer" in "Peer Review." *Herpetologica* 68(1):1–2. (*editorial simultaneously published in the Journal of Herpetology, Phyllomedusa, Herpetological Conservation and Biology, Herpetological Review, Herpetological Journal, African Journal of Herpetology, Journal of Herpetology, and Acta Herpetologica.*)

Delahoussaye, A.J. and B.R. Moon. 2006. *Nerodia rhombifer*. Deep foraging. *Herpetological Review* 37(4):479.

Moon, B.R. 2005. National Geographic Explorer Blog:

[http://blogs.nationalgeographic.com/channel/blog/2006/01/explorer\\_supersnake.html](http://blogs.nationalgeographic.com/channel/blog/2006/01/explorer_supersnake.html). One page.

Moon, B.R., P.M. Conn\*, and A.M. Rabatsky\*. 2004. *Agkistrodon contortrix*. Maximum Prey Size. *Herpetological Review* 35(2):174.

Moon, B.R. and A.M. Rabatsky\*. 2004. *Bogertophis subocularis*. Prey. *Herpetological Review* 35(2):175.

Herpetology web pages for the Burke Museum of Natural History and Culture, 2000–2001:

<http://www.washington.edu/burkemuseum/collections/herpetology>.

Moon, B.R. 1998. Photographing herps in the field: A book review plus some novel techniques. *Reptile and Amphibian Magazine* 52:50–55.

**PHOTOGRAPH PUBLICATIONS (NOT PEER REVIEWED)**

2000+ biological observations & photographs in online educational database iNaturalist.com. 2018–present.  
Journal cover photograph accompanying the paper by Penning and Moon (2017) was published in the *Journal of Experimental Biology's* 2018 calendar.

Journal cover photographs

*Biology Letters*: 12(4) April 2016

*J. Experimental Biology*: 218(21) November 2015; 210(12) June 2007; and 204(5) March 2002

*J. Experimental Biology* 2016 calendar (different photograph from journal cover above)

Moon, B.R. Photographs used by multiple media organizations for coverage of research papers published in *Biology Letters* and the *Journal of Experimental Biology* in 2016 – 2017. Examples include BBC, Smithsonian, Discover Magazine, Los Angeles Times, and Science News.

Numerous photographs published in Boundy, J. and J. Carr. 2017. *Amphibians and Reptiles of Louisiana: An Identification and Reference Guide*. Louisiana State University Press.

Gibbons, W., and M. Dorcas. 2015. *Snakes of the Southeast*, 2<sup>nd</sup> edition. University of Georgia Press.

Ernst, C.H., and E.M. Ernst. 2011. *Venomous Reptiles of the United States, Canada, and Northern Mexico*, Volumes 1 and 2. Johns Hopkins University Press.

Mitchell, J., and W. Gibbons. 2010. *Salamanders of the Southeast*. University of Georgia Press.

Jones, L.L.C., and R. Lovich (Editors). 2009. *Lizards of the American Southwest: A Photographic Field Guide*. Rio Nuevo Publishers.

- Jones, L.L.C., W.P. Leonard, and D.H. Olson. (Editors). 2005. *Amphibians of the Pacific Northwest*. Seattle Audubon Society.
- Behler, J.L., and D.A. Behler. 2005. *Frogs: A Chorus of Colors*. Sterling Publishing.
- Ernst, C., and E. Ernst. 2003. *Snakes of the United States and Canada*. Smithsonian Institution Press.
- Felder, D.L., and D.K. Camp. (Editors). 2009. *Gulf of Mexico: Origin, Waters, and Biota*. Texas A&M University Press.
- Gibbons, W., and M. Dorcas. 2005. *Snakes of the Southeast*. Univ. Georgia Press, Athens GA, USA.
- Henderson, R.W., and R. Powell. (Editors). 2007. *Biology of the Boas and Pythons*. Eagle Mountain Publishing.
- McKinney M., and R. Schoch. 2002. *Environmental Science: Systems and Solutions*, 2nd edition. Jones and Bartlett Publishers.
- 100+ photographs in online educational databases: CalPhotos (<http://calphotos.berkeley.edu>) and AmphibiaWeb (<http://amphibiaweb.org/>). 2001–2007.
- Numerous photographs published in biology textbooks, field guides, educational pamphlets, educational web sites, and museum exhibits. 2000–2016. *Selected examples listed below*.

### MEDIA COVERAGE OF RESEARCH IN MY LAB

- Penning and Moon (2017) was featured in the top 3 most-read research papers in the *Journal of Experimental Biology*.
- Penning and Moon (2017) scored in the top 0.5% of media attention out of over 8 million papers tracked to date (Altmetric score = 185 as of 1/26/2018). Our research received positive media coverage in more than 10 countries around the world, including top scientific journals such as *Nature* and *Science*, as well as many non-technical publications such as the *New York Times*, *Los Angeles Times*, *National Geographic*, *Smithsonian*, *BBC*, *U.K. Daily Mail*, *Discover Magazine*, *Huffington Post*, *IFL Science*, *Live Science*, *Science News*, and others. We estimate that the 2017 media coverage reached 1,220,471,108 viewers globally, based on media subscriptions, unique monthly website traffic, and other available statistics. This extensive and broad coverage—most of which named the university as we requested—helped raise the profile of the university and its research programs.
- Penning, Sawvel, and Moon (2016) received media coverage in more than 10 countries from major media organizations including *New York Times*, *Los Angeles Times*, *Nature*, *Science*, *National Geographic*, *Smithsonian*, *BBC*, *U.K. Daily Mail*, *Discover Magazine*, *Huffington Post*, *IFL Science*, *Live Science*, *Science*, *Science News*, and others. Estimated audience: over 100,000,000 people globally.
- My lab and Ph.D. student David Penning were featured in a TV documentary that aired in the UK (“Prehistoric Megabeasts,” Channel 4) and US (“Graveyard of the Giant Beasts,” PBS), 2016
- I was featured in *The National Geographic Explorer* program “Super Snake” in January 2006.
- I was featured in the *Discovery Channel* program “Anatomy of a snake bite” in 2004.

### GRANTS AWARDED

#### *Research grants as PI*

- Moon, B.R. and Rupp, A. *Analysis of Amphibian Skin Secretions*. Subcontract from Louisiana Biomedical Research Network for summer research by Ph.D. student Ariana Rupp. \$7,500.
- Moon, B.R. **National Science Foundation**, Physiological and Structural Systems Cluster, 2008–13, \$284,015
- Moon, B.R. **National Geographic Society**, Committee on Research and Exploration, 2005, \$15,600
- Moon, B.R. **Louisiana Board of Regents**, Research Competitiveness Subprogram, 2003–05, \$72,733
- Moon, B.R. Cole, K., and Hasenstein, K. **Louisiana Board of Regents**, Enhancement Program, 2003–04, \$69,000

***Research grants as co-PI (with P. Leberg)***

Leberg, P, and Moon, B.R. **Louisiana Department of Wildlife & Fisheries**, 2002–04, \$160,396

***Education grants as PI***

Moon, B.R. A Redesigned Comparative Physiology Course and Laboratory for Biology Majors.

Louisiana Board of Regents, Traditional Enhancement Program, 2009–10. \$110,273 (including \$40,273 match from UL Lafayette).

***Education grants as co-PI (with P. Klerks)***

Kulkarni, R. (PI), P. Leberg, P. Alciatore, B. Moon, K. Smith, P. Griffard, B. Stauffer, S. Krayesky-Self, S. Plouviez, P. Antley, & J. Albert. Modernization of Undergraduate Laboratories for Course-based Research Engagement [ModUL-CoRE] at the Department of Biology at UL Lafayette.

Louisiana Board of Regents Support Fund, Departmental Enhancement Program. \$697,580.

Klerks, P. and Moon, B.R. Recruitment of superior graduate students in environmental and evolutionary biology for 2018. Louisiana Board of Regents, Traditional Graduate Fellows Program 2018-2023, \$120,000.

Klerks, P. and Moon, B.R. Recruitment of superior graduate students in environmental and evolutionary biology for Louisiana Board of Regents, Traditional Graduate Fellows Program 2017. 2017-2022, \$240,000.

Klerks, P. and Moon, B.R. Recruitment of superior graduate students in environmental and evolutionary biology for Louisiana Board of Regents, Traditional Graduate Fellows Program 2016. 2016-2021, \$240,000.

***Intramural small grants***

Moon, B.R. Faculty travel grant, UL Lafayette, \$750, 2015

Moon, B.R. Faculty Development Grant, UL Lafayette, \$700, 2011

Moon, B.R., and J.S. Albert. Faculty Development Grant, UL Lafayette, \$650, 2009

Albert, J.S., Moon, B.R., and Neigel, J. Faculty Development Grant, UL Lafayette, \$750, 2007

Travel Grant for Emerging Faculty, University of Louisiana at Lafayette, 2002, \$800

Instructional Mini-Grant, University of Louisiana at Lafayette, 2002, \$500

Summer Research Award, University of Louisiana at Lafayette, 2002, \$4,800

***Older grants before I came to UL Lafayette***

Individual National Research Service Award, **National Institutes of Health**, 2000–2001, \$109,164

Rackham Predoctoral Fellowship, The University of Michigan, 1997–1998

Travel Grant, Herpetologists' League, 1997 and 1998

Dissertation Research Grant, The University of Michigan, 1997

Rackham Travel Grants, The University of Michigan, 1994–1997

Rackham Research Partnership, The University of Michigan, 1995–1996

Peter Olaus Okkelberg Awards, The University of Michigan, 1993–1996

Rackham Discretionary Grant, The University of Michigan, 1992 and 1996

Department of Biology Block Grant, The University of Michigan, 1993 and 1995

Research Grant, University of Arizona, 1991

Graduate Academic Scholarship, University of Arizona, 1989–1990

President's Undergraduate Fellowship, University of California, Santa Cruz, 1986–1987

**TEACHING AT UL LAFAYETTE**

Comparative Physiology (lecture and lab course; senior and graduate level)  
General Physiology (lecture and lab course; junior level)  
Comparative Morphology of Vertebrates (lecture and lab course; junior level)  
Comparative Morphology of Vertebrates (lecture and lab course; senior and graduate level)  
Herpetology (lecture, lab, and field course; senior and graduate level)  
Professional Development (graduate seminar; graduate level)  
Biological Diversity (lecture course; sophomore level)  
Introductory Biology for majors and for non-majors (lecture course; freshman level)

**ADVISING**

*Doctoral dissertation committee chair*

Nick Haertle (deceased, 2015)  
Paul Hampton (graduated, 2010)  
Michael Fulbright (current)  
Nancy Kohn (graduated, 2008; co-chair w/ Dr. Michael Kalish, Cognitive Sciences)  
Ivan Moberly (current)  
Peter Muelleman (withdrew, 2012)  
David Penning (graduated, 2016)  
Ali Rabatsky (graduated, 2007)  
Ariana Rupp (current)  
Navasha Singh (deceased, 2012)

*Master's thesis committee chair*

Elizabeth Barron (graduated, 2018)  
Joseph Bennett (graduated, 2011)  
Ben Dantzer (graduated, 2006)  
Schuyler Dartez (graduated, 2008)  
Craig Denesha (graduated, 2006)  
Kara Haddock (withdrew)  
Cory J. Hillard (current)  
Heather Olivier (graduated, 2008)  
Tyler Thigpen (graduated, 2011)

*Doctoral dissertation committee member*

Tiago Carvalho (graduated 2013)  
Paige Byerly (current)  
Angela Darnell (graduated, 2016)  
Rhea Esposito (graduated, 2015)  
Kory Evans-Jackson (graduated, 2016)  
Johanna Farmer (withdrew, 2013)  
Samantha Hauser (graduated, 2018)  
Juita Martinez (current)  
Rita Mehta (Univ. Tennessee, graduated, 2004)  
Jacob McCartney (Stony Brook Univ., graduated 2013)  
Shelcie Menard (graduated, 2018)  
Andrew Savage (current)  
Tyler Olivier (graduated, 2013)  
George Wang (graduated, 2007)

*Master's thesis committee member*

Jenny Brandau (withdrew, 2014)  
 Warnesha Calais (started in Ph.D. program, switched to M.S. program; graduated 2014)  
 Roseline Devariste (graduated 2010)  
 Eric Liebgold (graduated, 2006)  
 Brian Lorenz (graduated, 2004)  
 Alfy Morales (graduated, 2011)  
 Bridget Nixon (graduated 2010)  
 Tami Ransom (graduated, 2006)  
 Binod Regmi (graduated, 2012)  
 Nathan Ruby (graduated, 2004)  
 Kruutikka Sathbai (graduated, 2014)  
 Erin Smithies (graduated 2005)  
 Michelle Wilcox (graduated, 2006)

*Faculty advisor for student groups*

Pre-veterinary society, training to replace Joe Neigel as advisor, 2015–present  
 Biology Graduate Student Symposium, 2013–present  
 League of Biology Graduate Students

*Undergraduate research supervisor*

Cory Hillard (2015–2017), Chioma Obioha (2016–2017)  
 Previous years: Tiffany Arnold; Stephen Astley; Joseph Bennett; Amanda Boles-Fedora; William Cefalu, Jr.; Schuyler Dartez; Brady Drapekin; Michael Dupuis; Christopher Fontenot; Deanna Gibbs; Audrey Hebert; Ryan Hebert; Lara Henderson; Forest Huval; Laura Joseph; Jessica Miller; Heather Olivier; Beth Rivers; Katherine Rothermel; Baxter Sawvel; Justin Stelly.

*Undergraduate advisor:* Approximately 10 biology majors each semester

*Mentoring underrepresented students:* six high school science fair students from 2004–2007

*Mentoring underrepresented students:* two high school students each summer in 2009–2011

**EDITING**

Editor-in-Chief for *Herpetologica*, January 2009–2013 (*Peer-reviewed international journal*)  
 Guest Editor for *Herpetological Monographs*, 2013 (*Peer-reviewed international journal*)  
 Interim Editor-in-Chief for *Herpetological Monographs*, 2011–2012  
 Associate Editor for *Herpetologica*, 2004–2008  
 Guest Editor for *Southeastern Naturalist*, occasional, 2003–2009  
 Abstract Editor (one of several) for Seventh International Congress of Vertebrate Morphology, July 2004  
 Abstract Editor for annual meeting of the Society for Northwestern Vertebrate Biology, April 2002

**SERVICE***Committees and other campus service*

*Current*  
 Graduate Coordinator and Chair of Graduate Studies Committee, Dept. of Biology, 2009–present  
 Junior faculty mentoring committee, 2017–present  
 Faculty Advisor to Pre-Veterinary Society, 2017–present  
 Campus Security Authority (CSA), 2014–present  
 Faculty advisor for Biology Graduate Student Symposium, 2012–present

*Previous*

Pre-Veterinary Advising Committee (training to replace Joe Neigel), 2015–2017  
Graduate Student Appeals Committee, 2008–2017  
Wrote and revised departmental web pages graduate programs to be compliant with new university standards for web page design, 2015  
Graduate Dean Search Committee, University of Louisiana at Lafayette, 2014  
Professorship Review Committee, College of Sciences, University of Louisiana at Lafayette, 2014  
Graduate Council, 2009–2012  
College of Sciences, Space Planning Committee, 2012  
Faculty search committee for Neuroscience and Developmental Biology position, 2011  
Pre-veterinary Transfer Committee, 2011  
Peer-review Committee for Graduate Faculty, 2008–2009  
Faculty search committee for Neurobiologist position, 2008  
College of Sciences Diversity Committee, 2007–2008  
Seminar organizer for Biology departmental seminars, 2005–2008  
Graduate Preliminary Exam Committee, Co-Chair and author of Physiology section, Fall 2005  
Faculty search committee for Ichthyology position, Fall 2004  
Minority Recruitment and Retention Committee, Fall 2003  
Graduate Preliminary Exam Committee, Physiology section, Fall 2003, 2004  
Graduate Preliminary Exam Committee, Evolution section, Fall 2002  
Judging committee for student research symposium sponsored by the UL Lafayette chapter of Sigma Xi, March 2004  
Judging committee for Biology Graduate Student Symposium, April 2002 and November 2003  
Executive Committee, Department of Biology, The University of Michigan, 1996–1997  
Student Representative on the Faculty Committee, Department of Ecology and Evolutionary Biology, University of Arizona, 1990–1991

*Conferences organized*

Organized biennial meeting of the Ernest A. Liner Louisiana Herpetology Conference, 2010, 2013, 2016  
Organized biennial meeting of the Louisiana Herpetological Research Group, 2003, 2006, 2008  
Annual meeting of the Society for Northwestern Vertebrate Biology, Hood River, OR, 3–6 April 2002.

*Symposia organized*

Mechanisms and tradeoffs in vertebrate burrowing. Co-organized with Dr. James O'Reilly, University of Miami. Seventh International Congress of Vertebrate Morphology, Boca Raton, FL, July 2004

*Conference sessions co-chaired*

Vertebrate Morphology session at meeting of the Society for Integrative and Comparative Biology, Orlando, FL, January 2006  
Discussion session on interactions between scientists and the media, Society for Integrative and Comparative Biology, Orlando, FL, January 2006  
Biomechanics session at meeting of the Society for Integrative and Comparative Biology, Anaheim, CA, January 2002

*Professional service*

Invited three times to apply for Panel/Program Director positions at National Science Foundation; declined mainly due to logistical reasons  
Panel Member, National Science Foundation (five times)  
Reviewer for grant proposal, National Science Foundation, 1–3 proposals per year (separate from and sometimes in addition to panel service), 2004–present



Louisiana Department of Wildlife and Fisheries: Invited member of Reptile and Amphibian Task Force, Fall 2012–present  
Consulting editor for *Herpetologica* (international peer-reviewed journal), advise new Editor as needed 2014–present; also, assist regularly with cover design for quarterly issues as needed 2014–present  
Board of Trustees, The Herpetologists' League, 2009–2013  
Invited tenure review, Stony Brook University  
Invited tenure review, University of Massachusetts Amherst  
Judging Committee for D. Dwight Davis Award, Best Student Paper, Division of Vertebrate Morphology, Society for Integrative and Comparative Biology, San Antonio, TX, January 2008  
Grant reviewer, National Geographic Society (two times)  
Grant reviewer, Research Council, University of Antwerp, Belgium (two times)  
Grant reviewer, Fund for Scientific Research, Flanders, Belgium  
Vice President for Washington, Society for Northwestern Vertebrate Biology, 2001–2002

*Journal Referee*

Acta Zoologica; Behaviour; Biology Letters; Canadian Journal of Zoology; Comparative Biochemistry and Physiology; Copeia; Eagle Mountain Publishing; Functional Ecology; *Herpetologica*; Herpetological Monographs; Herpetological Review; Israel Journal of Zoology; Journal of Animal Biology; Journal of Ethology; Journal of Experimental Biology; Journal of Experimental Zoology; Journal of Morphology; Journal of Zoology, London; Loma Linda University Press; Marcel Dekker, Inc.; Northwest Fauna; Physiological and Biochemical Zoology; Shaker Publishing; W.H. Freeman

*Professional Consultations*

Consultations with media for coverage of research articles published in *Nature*, *Biology Letters*, and the *Journal of Experimental Biology*  
Consultations with television producers and documentary researchers, selected examples:  
Blink Films (working for PBS), 2015, 2016  
BBC News, 2015  
October Films Ltd., for Discovery Channel, constriction in snakes, 2015  
Livescience.com, constriction in snakes, 2015  
The Verge, constriction in snakes, 2015  
Discovery Channel, animal anatomy and physiology, 2012  
Discovery Channel, constriction in snakes, 2012  
National Geographic Society, evolution of rattlesnakes, 2012  
New Pony Productions, speeds of snake strikes, 2012  
Windfall Films for television program “Monster Python,” aired in 2010  
Interviewed by BBC for television program “Venom ER,” 01 /18/2005  
Numerous additional consultations with television producers from the BBC, Discovery Channel, and National Geographic Society concerning snake biology, 2001–2006

*Community service*

Numerous consultations with local and regional residents: consultations with several local residents via telephone and e-mail about wildlife (interactions with people, potential danger, etc.)  
Public education and demonstration activities during Atchafalaya Days event, April 2010.  
Retrieved snakes from two crime scenes upon request by New Iberia Crime Scene Investigators and Louisiana Department of Wildlife and Fisheries. 2006, 2007  
Advised 1–2 Science Fair students per year from Kaplan High School in Kaplan, LA, and Lighthouse Christian High School in Abbeville, LA. 2004–2007  
Presentation on developing strong science fair projects to students at Lighthouse Christian High School in Abbeville, LA, for science fair. January, 2006

Numerous presentations and consultations with local residents (including Cub Scout Pack 158 in Lafayette and Cub Scout Pack 464 in Loreauville)

**PROFESSIONAL MEMBERSHIPS**

Herpetologists' League  
International Society of Vertebrate Morphologists  
Society for Integrative and Comparative Biology  
Society for the Study of Amphibians and Reptiles

**INVITED KEYNOTE ADDRESSES, LECTURES, AND SEMINARS**

Austin Herpetological Society, Texas, 2015, 2016  
East Texas Herpetological Society, 2015  
Saddleback College (Brattstrom Lecture), 2013  
American Association of Laboratory Animal Science (AALAS), 2010  
University of Tulsa, 2009  
University of Hawaii at Manoa, 2008  
Missouri State University, 2008  
Louisiana State University (2 seminars: Museum of Natural Science; Dept. of Biological Sciences), 2007  
University of Nevada, Las Vegas, 2007  
McNeese State University, 2007  
University of Texas at Tyler, 2006  
Sam Houston State University, 2005  
University of Antwerp, Belgium, 2002  
Tulane University, 2002  
Southeastern Louisiana University, 2002  
University of Southern Mississippi, 2002  
University of Texas at Austin, 2002  
University of Louisiana at Lafayette (multiple seminars: Biology Club; Department of Biology; Louisiana Alliance for Minority Participation; Sigma Xi seminar series), 2001–2015  
Louisiana Herpetological Research Group, Keynote Address, 2001  
University of Texas at Arlington, invited by graduate students for Phi Sigma series, 2001  
University of California, Berkeley, 2001  
Oregon State University, 2000  
University of Washington (three seminars: Department of Comparative Medicine; Sue Herring lab, Department of Orthodontics; Tom Daniel lab, Department of Zoology), 1999–2001

**INVITED SYMPOSIUM PRESENTATIONS**

Moon, B.R. and Parker, C. 2015. CVs. UL Lafayette Graduate School, invited presentation for Lunch & Learn workshop, March 2015.  
Moon, B.R. and M.S. Martin. 2012. Publishing in Scientific Journals. UL Lafayette Graduate School, invited presentation for Graduate Student Appreciation Week.  
Mehta, R.S. and B.R. Moon. 2005. The scaling of constriction strength in snakes. Symposium on the biology of boas and pythons. Joint Meeting of Ichthyologists and Herpetologists, Tampa, FL.  
Moon, B.R. 2004. Ontogeny of contractile performance and physiological capacity in rattlesnake shaker muscle. Symposium on muscle performance and metabolic capacity. Seventh International Congress of Vertebrate Morphology, Boca Raton, FL. Abstract published in *Journal of Morphology* 260(3):314  
Moon, B.R. 2004. Is sand swimming in reptiles true swimming? Seventh International Congress of Vertebrate Morphology, Boca Raton, FL. Abstract published in *Journal of Morphology* 260(3):314.

- Moon, B.R. 2002, A twist to the rattlesnake tail. Symposium on Topics in Functional and Ecological Vertebrate Morphology, University of Antwerp, Belgium, November 2002.
- Moon, B.R. 2002. Closing remarks. Symposium on Topics in Functional and Ecological Vertebrate Morphology, University of Antwerp, Belgium, November 2002. *Invited speaker for Dr. Carl Gans, who was unable to attend the symposium.*
- Moon, B.R. 1999, The mechanism of constriction in gopher snakes, Society for Northwestern Vertebrate Biology, Ashland OR.
- Moon, B.R. 1997, The roles of epaxial muscle activity and bending in snakes, Fifth International Congress of Vertebrate Morphology, Bristol, UK.

**CONTRIBUTED PRESENTATIONS** (Oral presentation unless indicated otherwise; bold indicates presenting author; asterisks indicate student author)

- Moberly IT\***, Moon BR. 2018. Interplay between Setae and Locomotor Kinematics in an Arboreal Lizard (*Furcifer oustaleti*). Oral presentation at Society for Integrative and Comparative Biology meeting, San Francisco, CA, January 3–7, 2018. Abstract published in: Integrative and Comparative Biology 58(supplement 1):e156.
- Barron E\***, Moon BR, Penning DA. 2018. When Push Comes to Shove: The Effects of Tunnel Width on Predation Performance in Kingsnakes. Poster presentation at Joint Meeting of Ichthyologists and Herpetologists, Rochester, NY, July 11–15, 2018.
- Rupp A\***, Moon BR. 2018. Prey Handling and Feeding Mechanisms in Mud Snakes (*Farancia abacura*). Oral presentation at Joint Meeting of Ichthyologists and Herpetologists, Rochester, NY, July 11–15, 2018.
- Spanghero\* V.F.G.**, Moon, B.R., and Penning\*\*, D.A. 2017. High Performance in a Tight Spot: Snake Predation Pressures Below vs. Above Ground. Congresso Brasileiro de Herpetologia, 14–17 August 2017, Campo Grande, Mato Grosso do Sul, Brasil. (Oral presentation)
- Moon, B.R.**, Spanghero\* V.F.G., and Penning\*, D.A. 2017. High Performance in a Tight Spot: Snake Predation Pressures Below vs. Above Ground. Joint Meeting of Ichthyologists and Herpetologists, 12–16 July 2017, Austin, TX. (Poster presentation)
- Hillard\***, C.J, Penning\*, D.A., and Moon, B.R. 2017. Quantitative Effects of Body Temperature on Snake Strike Performance: New Insights Into the Elastic-Recoil Hypothesis. Society for Integrative and Comparative Biology, 4–8 January 2017, New Orleans, LA. (Poster presentation)
- Fulbright\***, M.F., Penning\*, D.A., and Hillard\*, C.J. 2017. Scaling of Terrestrial and Arboreal Defensive Strikes by Ratsnakes. Society for Integrative and Comparative Biology, 4–8 January 2017, New Orleans, LA. (Poster presentation)
- Moberly\***, I.T., and Moon, B.R. 2017. The Contributions of Setae to Gripping Force and Locomotor Stability in an Arboreal Lizard (*Furcifer oustaleti*). Society for Integrative and Comparative Biology, 4–8 January 2017, New Orleans, LA. (Poster presentation)
- Moon, B.R.**, Spanghero\* Vicente Ferreira, G., and Penning\*, D.A. 2017. High Performance in a Tight Spot: Kingsnake Pinioning Pressures in Simulated Tunnels. Society for Integrative and Comparative Biology, 4–8 January 2017, New Orleans, LA. (Poster presentation)
- Penning\***, D.A., and Moon, B.R. 2017. Identifying the Mechanisms of Predation: In Vivo Measurements of Force and Endurance in Epaxial Muscles of Kingsnakes (*Lampropeltis holbrooki*) and one of Their Prey Snakes (*Pantherophis obsoletus*). Society for Integrative and Comparative Biology, 4–8 January 2017, New Orleans, LA.
- Hillard\***, C.J., Penning\*, D.A., and Moon, B.R. 2016. Quantitative effects of body temperature on snake strike performance: new insights into the elastic recoil hypothesis. Joint Meeting of Ichthyologists and Herpetologists, 6–10 July 2016, New Orleans, LA. (Poster presentation)
- Moberly\***, I., and Moon, B.R. 2016. The effects of setae on gripping performance in chameleons. Joint Meeting of Ichthyologists and Herpetologists, 6–10 July 2016, New Orleans, LA. (Poster presentation)

- Penning\***, D.A., and Moon, B.R. 2016. The King of Snakes: Performance and Morphology of Intraguild Predators (*Lampropeltis*) and their Prey (*Pantherophis*). Joint Meeting of Ichthyologists and Herpetologists, 6–10 July 2016, New Orleans, LA. (Oral presentation)
- Penning\*, D.A., Sawvel\*, B., and **Moon**, B.R. 2016. The ontogeny of strike performance in Texas ratsnakes (*Pantherophis obsoletus*). Society for Integrative and Comparative Biology meeting, 3–7 Jan 2016, Portland, OR. (Poster presentation)
- Penning\***, D.A., Sawvel\*, B., and Moon, B.R. 2015. The scaling of strike performance in Texas ratsnakes (*Pantherophis obsoletus*). Society for the Study of Amphibians and Reptiles meeting, 30 July–2 August 2015, Lawrence, KS. (Poster presentation)
- Penning\***, D.A., Sawvel\*, B., and Moon, B.R. 2015. Is there always a need for speed? How fast can ratsnakes strike? Joint Meeting of Ichthyologists and Herpetologists, 15–19 July 2015, Reno, NV. (Won the Henri Seibert Award for outstanding presentation in physiology/morphology from The Society for the Study of Amphibians and Reptiles)
- Penning\***, D.A., Dartez\*, S.F., and Moon, B.R. 2015. The big squeeze: scaling of constriction pressures in two of the world's giant snakes (Genus: *Python*). Joint Meeting of Ichthyologists and Herpetologists, 15–19 July 2015, Reno, NV. (Poster presentation)
- Penning\***, D.A., Sawvel\*, B., and Moon, B.R. 2015. Debunking the viper's strike: high-speed behavior and the killing of a classic assumption. 42<sup>nd</sup> Meeting of the Kansas Herpetological Society, 7–8 November 2015, Hays, KS. (Oral presentation)
- Penning\***, D.A., Dartez\*, S.F., and Moon, B.R. 2015. From fighter jets to giant snakes: using aerospace physiology to understand snake constriction. 42<sup>nd</sup> Meeting of the Kansas Herpetological Society, 7–8 November 2015, Hays, KS. (Poster presentation)
- Penning\***, D.A., Dartez\*, S.F., and Moon, B.R. 2015. Understanding constriction pressures of giant pythons: a new mechanism. Graduate Research Symposium, UL at Lafayette. Lafayette, LA. (Poster presentation, won Outstanding Poster Award from UL Lafayette Graduate School)
- Moon**, B.R., Physiology and Biomechanics of Muscle–Tendon Systems, Ernest A. Liner Louisiana Herpetology Conference, LUMCON (Cocodrie, LA), November 2013
- Moon, B.R., A.J. **Delahoussaye**, T. Arnold, and A. Alvarado. 2013. A Feast of Giant Amphiumas and Bullfrogs in Louisiana 1200 Years Ago, Louisiana Archaeological Society, February 2013
- Moon**, B.R., A.J. Delahoussaye, T. Arnold, and A. Alvarado. 2012. Maximum sizes of amphiumas and bullfrogs in Louisiana archaeological middens. World Congress of Herpetology, Vancouver, BC, August 2012.
- Moon**, B.R., and P.M. Hampton. 2011. The relationship between oxygen consumption and respiratory water loss in rattlesnakes. Joint Meeting of Ichthyologists and Herpetologists, Minneapolis, MN, July 2011.
- Moon**, B.R. 2010. Energetics and Mechanics of Muscle–Tendon Systems. Ernest A. Liner Louisiana Herpetology Conference, LUMCON, Cocodrie, LA, November 2010
- Thigpen**, T.F., C.A. Kersten, and B.R. Moon. 2010. Sublethal Effects of Atrazine on Frogs in the Atchafalaya River Basin, LA. Louisiana Association of Professional Biologists, 2010 Fall Symposium, Lafayette, LA, August 2010.
- Thigpen**, T.F., J.H. Waddle, J.A. Jenkins, D.K. Demcheck, and B.R. Moon. 2010. Sublethal Effects of Atrazine on Frogs in the Atchafalaya River Basin, LA. Society for Environmental Toxicology and Chemistry. November 9, 2010. Portland, Oregon, USA.
- Moon**, B.R. and P. Hampton. 2010. The Effects of Long Tendons on the Energetic Cost of Muscle Contraction. International Congress of Vertebrate Morphology, Punta del Este, Uruguay, July 2010.
- Hampton, P. and B.R. **Moon**. 2010. The Morphological Basis of Maximum Gape in Snakes. International Congress of Vertebrate Morphology, Punta del Este, Uruguay, July 2010.
- Moon**, B.R. and P. Hampton. 2010. Respiratory water loss during rattling in rattlesnakes. Joint Meeting of Ichthyologists and Herpetologists, Providence, RI, July 2010.

- Hampton, P. and B.R. **Moon**. 2010. The Morphological Basis of Maximum Gape in Snakes. Joint Meeting of Ichthyologists and Herpetologists, Providence, RI, July 2010.
- Moon**, B.R. 2010. Snake Research and Handling. American Association of Laboratory Animal Scientists meeting. New Iberia, LA, February 2010.
- Moon**, B.R. 2009. Functional Morphology and Physiology of Tail Vibration in Snakes. Snake Ecology 5. Donnelly, ID, July 2009.
- Moon**, B.R. and P. Hampton. 2009. Using Rattlesnake Shaker Muscles to Test How Long Tendons Affect the Energetic Cost of Contraction. Joint Meeting of Ichthyologists and Herpetologists, Portland, OR, July 2009.
- Hampton**, P. and B.R. Moon. 2009. Does prey envenomation improve digestive performance in *Agkistrodon piscivorus*? Joint Meeting of Ichthyologists and Herpetologists, Portland, OR, July 2009.
- Moon**, B.R., and P.M. Hampton. 2009. The Effects of Long Tendons on the Energetic Cost of Muscle Contraction. Society for Integrative and Comparative Biology, Boston, MA, January 2009. Abstract published in Integrative and Comparative Biology 2009, 49:e276.
- Olivier**, T., B.R. Moon, and R. Bauer. 2008. Juvenile swimming abilities in the amphidromous river shrimp *Macrobrachium ohione*: Implications for postlarval migration to the upper Mississippi–Ohio River system. Louisiana Association of Professional Biologists, 2008 Fall Symposium, Lafayette, Louisiana, August 2008.
- Olivier**, H. and B.R. Moon. 2008. The effects of herbicide exposure on spotted salamander egg masses. Louisiana Association of Professional Biologists, 2008 Fall Symposium, Lafayette, Louisiana, August 2008.
- Moon**, B.R. and Tullis, A. 2008. Functional morphology and physiology of tail vibration in snakes. Society for Integrative and Comparative Biology, San Antonio, TX, January 2008. Abstract published in Integrative and Comparative Biology 2007, 47(supplement 1):e84.
- Moon**, B.R. and A. Tullis. 2007. Functional morphology and physiology of tail vibration in snakes. International Congress of Vertebrate Morphology, Paris, France, July 2007. Abstract published in the Journal of Morphology 268(12).
- Moon**, B.R. and A. Tullis. 2007. The evolution of high-performance tail muscles in snakes. Society for Integrative and Comparative Biology, Phoenix, AZ, January 2007. Abstract published in Integrative and Comparative Biology 2006, 46(supplement 1):e100.
- Moon**, B.R. and A. Tullis. 2006. The evolution of high-performance tail muscles in snakes. Joint meeting of ichthyologists and herpetologists, New Orleans, LA, July 2006.
- Mehta, R.S. and B.R. **Moon**. 2006. The scaling of constriction strength in snakes. Society for Integrative and Comparative Biology, Orlando, FL, January 2006. Abstract published in Integrative and Comparative Biology 2005, 45(6):1044.
- Moon, B.R. and A.M. **Rabatsky**. 2005. Is there an optimal length for the rattlesnake rattle? Joint Meeting of Ichthyologists and Herpetologists, Tampa, FL, July 2005.
- Moon**, B.R. 2005. From physiology to fitness: The cost of self defense in rattlesnakes. Biology of the Rattlesnakes Symposium, Loma Linda, CA, January 2004.
- Mehta**, R.S. and B.R. Moon. 2004. The evolution of constriction in snakes. Seventh International Congress of Vertebrate Morphology, Boca Raton, FL, July 2004. Abstract published in Journal of Morphology 260(3):314.
- Moon**, B.R. 2004. From physiology to fitness: the cost of self defense in rattlesnakes. Joint meeting of ichthyologists and herpetologists, Norman, OK, May 2004.
- Moon, B.R. and A.M. **Rabatsky**. 2004. Defensive tail vibration in snakes and the evolution of the rattling system. Joint meeting of ichthyologists and herpetologists, Norman, OK, May 2004.
- Mehta**, R.S. and B.R. Moon. 2004. The muscular control of constriction behavior in *Loxocemus bicolor*. Society for Integrative and Comparative Biology, New Orleans, LA, January 2004. Abstract published in Integrative and Comparative Biology 2003, 43(6):912

- Moon, B.R.** 2004. From physiology to fitness: low-impact aerobics in rattlesnakes. Society for Integrative and Comparative Biology, New Orleans, LA, January 2004. Abstract published in *Integrative and Comparative Biology* 2003, 43(6):1039. (Poster presentation)
- Moon, B.R.** 2003. Muscle function and the evolution of the rattlesnake rattling system. Society for Integrative and Comparative Biology, Toronto, Canada, January 2003. Abstract published in *Integrative and Comparative Biology* 2002, 42(6):1281.
- Moon, B.R., T.J. LaDuc, R. Dudley, and A. Chang.** 2002. A twist to the rattlesnake tail. Joint meeting of the American Society of Ichthyologists and Herpetologists and the Herpetologists' League, Kansas City, MO. July, 2002. (Poster presentation)
- Moon, B.R.** 2002. Muscle physiology and the evolution of the rattlesnake rattling system. Society for Northwestern Vertebrate Biology, Hood River, OR, April 2002. ABSTRACT published in *Northwestern Naturalist* 83(2):78.
- Tullis, A. and B.R. Moon.** 2002. Size dependence of contractile performance and physiological capacity in rattlesnake shaker muscle. Society for Northwestern Vertebrate Biology, Hood River, OR, April 2002. ABSTRACT published in *Northwestern Naturalist* 83(2):86 (Poster presentation)
- Tullis, A. and B.R. Moon.** 2001. Size dependence of rattling performance and enzyme activities of rattlesnake tailshaker muscle. Society for Integrative and Comparative Biology, Anaheim, CA, January 2002. ABSTRACT published in *American Zoologist* 41(6):1611. (Poster presentation)
- Moon, B.R., M.R. Urquhart, S.L. Lindstedt, and K.E. Conley.** 2001. Long tendons reduce muscle shortening in rattlesnake tails. Society for Integrative and Comparative Biology, Anaheim, CA, January 2002. ABSTRACT published in *American Zoologist* 41(6):1530.
- Moon, B.R.** 2001. Muscle function, metabolism, and animal movement. Biennial meeting of the Louisiana Herpetological Research Group, Cocodrie, LA, November 2001.
- Moon, B.R., M.R. Urquhart, S.L. Lindstedt, and K.E. Conley.** 2001. Energy reducing mechanisms in a high frequency muscle. Sixth International Congress of Vertebrate Morphology, Jena, Germany. (Poster presentation, given in absentia)
- Moon, B.R., M.R. Urquhart, S.L. Lindstedt, and K.E. Conley.** 2000. In vivo shortening of rattlesnake tailshaker muscle. Society for Integrative and Comparative Biology, Chicago, IL.
- Moon, B.R., J.J. Hopp, and K.E. Conley.** 2000. Mechanical-energetic coupling in rattlesnake tailshaker muscle. Society for Experimental Biology, Exeter, UK.
- Moon, B.R., W. Kemper, K.E. Conley, L. Hartzler, and J.H. Hicks.** 2000. How rattlesnakes rattle. Society for Northwestern Vertebrate Biologists, Ocean Shores, WA.
- Moon, B.R. and K.E. Conley.** 2000. The mechanics and energetics of rattling in rattlesnakes. Society for Integrative and Comparative Biology, Atlanta, GA.
- Moon, B.R.** 1998. Snake vertebrae do the twist. Joint meeting of the American Society of Ichthyologists and Herpetologists, Herpetologists' League, and Society for the Study of Amphibians and Reptiles, Guelph, Canada.
- Moon, B.R. and N.J. Kley.** 1997. Vertebral mechanics and motor control during swallowing in snakes. Society for Integrative and Comparative Biology, Boston, MA.
- Moon, B.R.** 1997. The mechanics of locomotion, constriction, and swallowing in colubrid snakes. Third World Congress of Herpetology, Prague, Czech Republic.
- Moon, B.R.** 1996. Muscle activity and force exertion during constriction in colubrid snakes. Society for Integrative and Comparative Biology, Albuquerque, NM.
- Moon, B.R.** 1996. The effects of prey movements on the duration and force of constriction by gopher snakes. Society for the Study of Amphibians and Reptiles, Lawrence, KS.
- Moon, B.R.** 1996. Sampling rates, aliasing, and the analysis of electrophysiological signals. Fifteenth Southern Biomedical Engineering Conference. Dayton, OH.
- Moon, B.R.** 1995. Sampling rates, aliasing, and the analysis of electromyograms. American Society of Zoologists. Washington, DC. (Poster presentation)

- Moon, B.R.** 1994. Phylogeny of the *Cnemidophorus sexlineatus* species group (Teiidae, Sauria) and the effects of hybrids on cladistic analysis. Fifth Annual Meeting of the Systematics Association of Michigan, Ann Arbor.
- Moon, B.R.** and C. Gans. 1994. Curvature, muscular activity, and propulsion in gopher snakes. Fourth International Congress of Vertebrate Morphology, Chicago, IL.