

# CURRICULUM VITA - Michelle A. Harris, PhD

**Present Position:** Faculty Associate, Biology Core Curriculum, University of Wisconsin-Madison

## Appointments

1999 – present      Chair, Organismal Biology Lab (Biocore 486) and co-Chair, Cell Biology Lab (Biocore 384)  
2011 – present      Chair, Organismal Biology Lecture (Biocore 485)  
2004 – present      Biocore Outreach Ambassador advisor  
1991- 1999          Graduate student and teaching assistant in UW-Madison Zoology Department  
1989- 1991          High School Biology & Chemistry Teacher (Elk Grove Village, Illinois)

## Education

1999    *Ph.D., Zoology*  
University of Wisconsin-Madison  
Advisor: Dr. Karen Steudel  
Field of Study: Functional Morphology  
Dissertation title: Relationships between maximal jump performance and hindlimb morphology/physiology in the domestic cat (*Felis silvestris catus*)

1994    *M.S., Zoology*  
University of Wisconsin-Madison  
Advisor: Dr. Karen Steudel  
Thesis title: Ecological correlates of hindlimb length in the Carnivora

1989    *B.S., Teaching of Biology*  
University of Illinois-Champaign

## Service

- Biology Major Program Committee (2015 – present)
- Delta Steering Committee (2007 – present)
- Delta Internship Program Advisory Board (2005-present)
- ASEC Physical Sciences/Engineering Area Review Committee (May 2013-present)
- UW-Madison Institute for Cross-college Biology Education (ICBE) Steering Committee (2005-08)

## Science Education Publications (peer reviewed)

Forbes-Lorman, R., M.A. Harris, W.S. Chang, E.W. Dent, E.V. Nordheim, and M.A. Franzen (2016). Physical models have gender-specific effects on student understanding of protein structure-function relationships. *Biochemistry and Molecular Biology Education*. 44:326-335. doi:10.1002/bmb.20956.

Remsberg, A.J., M.A. Harris, and J.M. Batzli (2014). Statistics across the curriculum using an iterative, interactive approach in an inquiry-based lab sequence. *Journal of College Science Teaching* 44(2):72-81.

Cox-Paulson, E.A., T. M. Grana, M.A. Harris, and J. M. Batzli (2012). Studying Human Disease Genes in *C. elegans*: A Molecular Genetics Laboratory Project. *Cell Biology Education-Life Sciences Education* 11(2): 165-179.

Harris, M.A., R.F. Peck, S. Colton, J. Morris, E. Chaibub Neto, and J. Kallio (2009). A combination of hand-held models and computer imaging programs helps students answer oral questions about molecular structure and function: a controlled investigation of student learning" *Cell Biology Education-Life Sciences Education* 8(1): 29–43.

Phillips, A.R., A.L. Robertson, J. Batzli, M. A. Harris, & S. Miller (2008). Aligning Goals, Assessments and Activities: An Approach to Teaching PCR and Gel Electrophoresis. *Cell Biology Education-Life Sciences Education*. 7:96-106.

Harris, M.A. (2003). Using physical models to complement computer-based bioinformatics labs: assessing student performance & reactions. *Proceedings of the 25<sup>th</sup> Workshop/Conference of the Association for Biology Laboratory Education (ABLE)*. 25:358-364.

### **Other Publications (peer reviewed)**

- Bichler, A., A. Swenson, and M.A. Harris (2006). A combination of caffeine and taurine has no effect on short term memory but induces changes in heart rate and mean arterial blood pressure. *Amino Acids* 31:471-476.
- Harris, M.A. and K. Steudel (2002). The relationship between jumping performance and hind limb morphology/physiology in domestic cats (*Felis silvestris catus*). *The Journal of Experimental Biology* 205:3877-3889.
- Harris, M.A. and K. Steudel (1997). Ecological correlates of hind-limb length in the Carnivora. *Journal of Zoology (London)* 241:381-408.

### **Awards**

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| 2017 | Phi Beta Kappa Excellence in Teaching Award (student nomination)                                 |
| 2016 | Distinguished Honors Faculty- College of Letters and Science Honors Program (student nomination) |
| 2011 | February 2011 Jefferson Award for Public Service (Madison, Wisconsin)                            |
| 2009 | University Housing Honored Instructors Award (student nomination)                                |
| 2005 | University of Wisconsin-Madison Teaching Academy Fellow  |
| 1995 | College of Letters and Science Teaching Fellow   |

### **Professional Affiliations**

- Association of Biology Laboratory Educators (ABLE)
- Society for the Advancement of Biology Education Research (SABER)
- National Association of Biology Teachers (NABT)