

Dr. Jennifer L. Dearolf

PROFESSOR

PROFESSIONAL PREPARATION

Cornell University, Ithaca, NY	Zoology	Ph.D. 2002
University of North Carolina at Wilmington	Marine Biology	M.S. 1998
St. Mary's College of Maryland, St. Mary's City, MD	(Summa Cum Laude)	B.A. 1996

APPOINTMENTS

- 2015 Professor, Biology Department, Hendrix College
- 2014 Department Chair, Biology Department, Hendrix College
- 2008 Associate Professor, Biology Department, Hendrix College
- 2002 Assistant Professor, Biology Department, Hendrix College

MOST RELEVANT PUBLICATIONS TO PROPOSED RESEARCH

- Thometz NM, Dearolf JL, Dunkin RC, Noren DP, Holt MM, Sims OC, Cathey BC, Williams TM. 2018. Comparative physiology of vocal musculature in two odontocetes, the bottlenose dolphin (*Tursiops truncatus*) and the harbor porpoise (*Phocoena phocoena*). *J Comp Phys B* 188:177-193.
- Kielhorn CE, Dillaman RM, Kinsey ST, McLellan WA, Gay DM, Dearolf JL, Pabst DA. 2013. Locomotor muscle profile of a deep (*Kogia breviceps*) versus shallow (*Tursiops truncatus*) diving cetacean. *J Morph* 274:663-675.
- Cotton PB, Piscitelli MA, McLellan WA, Rommel SA, Dearolf JL, Pabst DA. 2008. The gross morphology and histochemistry of respiratory muscles in bottlenose dolphins, *Tursiops truncatus*. *J Morph* 269:1520-1538.
- Etnier SA, Dearolf JL, McLellan WA, Pabst DA. 2004. Postural role of lateral axial muscles in developing bottlenose dolphins (*Tursiops truncatus*). *Proc R Soc London B* 271:909-918.
- Dearolf JL. 2003. Diaphragm muscle development in bottlenose dolphins (*Tursiops truncatus*). *J Morph* 256:79-88.
- Noren SR, Williams TM, Pabst DA, McLellan WA, Dearolf JL. 2001. The development of diving in marine endotherms: preparing the skeletal muscles of dolphins, penguins, and seals for activity during submergence. *J Comp Phys B* 171:127-134.
- Dearolf JL, McLellan WA, Dillaman RM, Frierson D, Pabst DA. 2000. Precocial development of axial locomotor muscle in bottlenose dolphins (*Tursiops truncatus*). *J Morph* 244:203-215.

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SYNERGISTIC ACTIVITIES

- Broadening participation (within institution): Along with Dr. Laura MacDonald, Dearolf established the Increasing Retention and Diversity in STEM (IRIS) Mentoring group on campus.
- Training: In her seventeen years at Hendrix College, Dearolf has trained 82 undergraduates; 70% of these students were female, and 9% were minority (8 students: 4 females and 4 males).
- Service to scientific community: Dearolf has served as a reviewer for an NSF EPSCoR Research Infrastructure proposal and an external reviewer for a proposal submitted to the Physiological and Structural Systems Program at NSF. She also reviewed articles for the Journal of Anatomy and Marine Mammal Science. In addition, she has served on a master's thesis committee for a student in Dr. Ann Pabst's lab at UNC Wilmington.
- Outreach: Dearolf was invited to give a talk to the local chapter of the Arkansas Audubon Society.

MENTORING ACTIVITIES

2019-2020 Emily Baldwin,
undergraduate research assistant
2019-2020 McKenzie Fletcher,
undergraduate research assistant
2019-2020 Vaneeza Muhktar,
undergraduate research assistant
2019-2020 Sundus Nazar,
undergraduate research assistant
2019 Madeline Neely,
undergraduate research assistant
2018-2020 Tel Johnson,
undergraduate research assistant
2018-2020 Madeleine Scott,
undergraduate research assistant
2018-2019 Elijah Ballard,
undergraduate research assistant
2018-2019 Brendan Midkiff,
undergraduate research assistant
2017-2019 Lindsey Barrett,
undergraduate research assistant
2017-2019 Savannah Draud,
undergraduate research assistant
2017 McKenzie Stribling,
undergraduate research assistant

2016-2018 Brandan Cathey,
undergraduate research assistant
2015-2017 Brianna LeBouef,
undergraduate research assistant
2015-2017 Olivia Sims,
undergraduate research assistant
2015-2016 Hal Denton,
undergraduate research assistant
2015 Sophie Knorek,
undergraduate research assistant
2015 Sarah McHugh,
undergraduate research assistant
2015 Megan Murphy,
undergraduate research assistant
2015 Elizabeth Soo,
undergraduate research assistant
2014-2015 Kate Emery,
undergraduate research assistant
2014 Wes Mills,
undergraduate research assistant
2013-2014 Chloe Benichou,
undergraduate research assistant
2012-2014 Kristen O'Connell,
undergraduate research assistant