

BIOLOGY

REFEREED PUBLICATIONS

Farnsworth, G. L. (2005). Failure of a free-living Northern Mockingbird (*Mimus polyglottos*) to discriminate food rewards on the basis of number. *Ohio Journal of Science*, *105*, 97-99.

Farnsworth, G. L. & Simons, T. R. (2005). Relationship between Mayfield nest-survival estimates and season fecundity: A cautionary reply. *Auk*, *122*, 1000-1001.

Hedeem, S. (2003). Winter bird population changes during a 38-year period in an urbanizing region. *Meadowlark*, *12*, 82-85.

Laine, P. S. (2002). Use of instructional technology as an integral part of a nonmajor science laboratory course. *Journal of Interactive Online Learning*, *1*(4). Retrieved February 20, 2006, from <http://www.ncolr.org/jiol/issues/showissue.cfm?volid=1&IssueID=5>

Bauer, A. L., **Paulding, W. R.**, Striet, J. B., Schnell, P. O., & Czyzyk-Krzeska, M. F. (2002). Endogenous von Hippel-Lindau tumor suppressor protein regulates catecholaminergic phenotype in PC12 cells. *Cancer Research*, *62*, 1682-1687.

Paulding, W. R., Schnell, P. O., Bauer, A. L., Striet, J. B., & Nash, J. A. (2002). Regulation of gene expression for neurotransmitters during adaptation to hypoxia in oxygen sensitive neuroendocrine cells. *Microscopy Research and Technique*, *59*, 178-187.

Schnell, P. O., Ignacak, M., Bauer, A. L., Striet, J. B., **Paulding, W. R.**, & Czyzyk-Krzeska, M. F. (2003). Regulation of tyrosine hydroxylase promoter activity by the van Hippel-Lindau tumor suppressor protein and hypoxia-inducible transcription factors. *Journal of Neurochemistry*, *85*, 483-491.

Robbins, J., & Theriot, J. A. (2003). *Listeria monocytogenes* rotates around its long axis during actin-based motility. *Current Biology*, *13*, R754-R756.

PRESENTATIONS AT ACADEMIC CONFERENCES

Conforti, L., **Robbins, J. R.**, Lee, S., & Filipovich, A. H. (2004). *Hypoxia modulates membrane potential and Ca homeostasis in human T cells*. Poster presented at the FASEB Experimental Biology Meeting, Washington, DC.

Curran, K. C., **Robbins, J. R.**, & Conforti, L. (2004). *Hypoxia decreases T cells' ability to respond to pathogens*. Poster presented at FASEB Experimental Biology Meeting, Washington, DC.

- Curran, K. C., **Robbins, J. R.**, & Conforti, L. (2004). *Pre-exposure to hypoxia depresses the cytosolic calcium plateau of T cell activation*. Poster presented at the National Conference of Undergraduate Research, Indianapolis, IN.
- Grossman, C., Herbert, S.**, Bellman, D., Johnson, J., **Flaspohler, D.**, & Kluener, C. (2005). *Behavioral patterns elicited to audible sound frequencies may be related to the interactions taking place between different manatee pairs*. Paper presented at the Marine Mammals Conference, San Diego, CA.
- Grossman, C.**, Broestl, M., Bender, M., Deitsch, M., Johatan, D., & Konieczny, **K. et al.** *Manatee directional response to sound: Behavioral patterns elicited to audible sound frequencies may be related to the interactions taking place between different manatee pairs*. Paper presented at the National Conferences on Undergraduate Research, Virginia Military Institute and Washington and Lee University, Lexington, VA.
- Grossman, C. J., Herbert, S.**, Kluener, C., Johnson, J., & Bellman, D. (2005). *Acoustical research studies on the captive manatees at the Cincinnati and Columbus zoos*. Invited paper presented at the International Sirenian Symposium, San Diego, CA.
- Grossman, C. J.** (2004). *Manatee acoustical responses to generated frequencies in the audible range and associated avoidance behaviors*. Poster presented at the Ohio Fish and Wildlife Service Conference, Fawcett Center, Ohio State University, Columbus, OH.
- Kluener, C. J., **Robbins, J. R.**, Jacob, G. A., Schroder, B. J., **Herbert, S.**, & **Grossman, C. J.** (2005). *Presence of ultrasonic harmonics and a frequency modulation repertoire in male-to-male vocalizations by captive adult Florida manatees*. Paper presented at the Marine Mammals Conference, San Diego, CA.
- Laine, P. S.** (2002). *Introducing PBL and technology into your classroom*. Paper presented at the International Conference on Problem-Based Learning in Higher Education, University of Delaware, Newark, DE.
- Laine, P. S., & Geer, C. J.** (2002). *Inquiry and technology in a non-majors biology laboratory. Policy, research, practice: Creating a voice for the profession*. Paper presented at the National Association of Research in Science Teaching (NARST) Annual International Conference, New Orleans, LA.
- Robbins, J. R.**, Lee, S., Fliipovich, A. H., & Conforti, L. (2004). *Hypoxia modulates T cell receptor-mediated activation in a subset of human T lymphocytes via Kvl.3 channels*. Poster presented at Biology of Hypoxia: The Role of Oxygen Sensing in Development, Normal Function and Disease, Steamboat Springs, CO.

Szigligeti, P., **Robbins, J. R.**, Petrovic, M., & Conforti, L. (2004). *Differential effects of hypoxia on ion channels in human T lymphocytes: Selective modulation of K_v3 channels*. Poster presented at Biology of Hypoxia: The Role of Oxygen Sensing in Development, Normal Function and Disease, Steamboat Springs, CO.

PROCEEDINGS

Grossman, C. J. (2004). Manatee directional response to sound, avoidance and behavioral effects of audible vs ultrahigh frequencies. In R. D. Yearout (Ed.), *Proceedings of the 18th National Conference on Undergraduate Research (NCUR)*. Asheville, NC: University of North Carolina at Asheville.

Grossman, C. J., Kluener, C., **Herbert, S. T.**, & Johnson, J. (2004). Frequency modulation in male-to-male acoustical communication in the florida manatee (*tricheschus manatus*). *Proceedings of the 18th National Conference on Undergraduate Research (NCUR)*. Asheville, NC: University of North Carolina at Asheville.

Grossman, C. J. (2003). Manatee directional response to high frequency sounds, preliminary report. In R. D. Yearout (Ed.), *Proceedings of the 17th National Conference on Undergraduate Research (NCUR)*. Asheville, NC: University of North Carolina at Asheville.

Schultz, R. J. (2001). Sibling rivalry. *Pediatric Primary Care: Well Child Care*. Boston, MA: Little, Brown.

OTHER

Close-Jacob, L., Alunday, R., Carpenter, J., DiCarlo, A., Habash, K., & Hill, J. et al. (2004). *The effect of interleukin-6 soluble receptor fragment on bovine coronary arteries*. Paper presented at the Celebration of Student Research, Xavier University, Cincinnati, OH.

Endicott, D. (2004). *Creating an exposure technique chart for the radiology department*. Paper presented at the Educational Meeting, Cincinnati, OH.

Engle, D., Klamunde, M., Loftus, A., Mehl, C., Sullenberger, V., & Sullenberger, J. (2004). *Sequencing of a possible intermediate filament gene of Aspergillus nidulans*. Paper presented at the Xavier University Celebration of Student Research, Xavier University, Cincinnati, OH.

Grossman, C.J. (2003). *Manatee research*. Paper presented at the Cincinnati Zoo, Cincinnati, OH.

- Hedeen, S.** (2004). *The ecology and geology of greater Cincinnati*. Paper presented at the Wildflower Society of Cincinnati, Cincinnati, OH.
- Hedeen, S.** (2004). *A natural history of Cincinnati parks*, Cincinnati, OH. Retrieved February 20, 2006, from http://www.cincinnati-oh.gov/cityparks/downloads/cityparks_pdf9892.pdf
- Hedeen, S.** (2004). *Designed for intelligence*. Faculty address delivered at the Xavier Celebration of Honors, Xavier University, Cincinnati, OH.
- Hedeen, S.** (2004). *The landscapes and streams of Greater Cincinnati*. Presentation delivered at the Cincinnati Nature Center, Cincinnati, OH.
- Hedeen, S.** (2004). *Ecoregions of the Cincinnati area*. Presentation delivered at the Hamilton County Environmental Action Commission, Cincinnati, OH.
- Hedeen, S.** (2004). *Tri-state greenspaces*. Presentation delivered at the Ohio-Kentucky-Indiana Regional Council of Government.
- Hedeen, S.** (2003). *Successes and failures of an environmental resource center*. Paper presented at the Hamilton County Environmental Action Commission, Cincinnati, OH.
- Hedeen, S.** (2003). *Restoration of the Mill Creek*. Paper presented at the Cincinnati Earth Institute, Cincinnati, OH.
- Hedeen, S.** (2003). *The ecoregions of the Cincinnati area*. Paper presented at the Cincinnati Museum Center, Cincinnati, OH.
- Hedeen, S.** (2003). *Creating a new vision for the Mill Creek*. Paper presented at the Hamilton County Department of Environmental Services, Cincinnati, OH.
- Hedeen, S.** (2003). *Birds of the Little Miami river valley*. Paper presented at the California Woods Nature Center, Cincinnati, OH.
- Hedeen, S.** (2003). *Pollution indicators in the Mill Creek*. Paper presented at the Hamilton County Environmental Action Commission, Cincinnati, OH.
- Hedeen, S.** (2003). *An evolutionary view of the Cincinnati Zoo*. Presentation delivered at the Xavier University Honors Program, Cincinnati, OH.
- Hedeen, S.** (2003). *The ecology of Polk Run*. Presentation delivered at the Symmes Township Trustees meeting, Cincinnati, OH.
- Hedeen, S.** (2003). *A greenprint for the Cincinnati region: greenwoods, greenways and greenbelts (green paper #2)*. Paper presented at the Regional Greenspace Initiative.
- Hedeen, S.** (2002). *Parkland management for the declining American Woodcock (includes appendix)*.
- Hedeen, S.** (2002). *Children's home forest*. Presentation delivered at the Children's Home of Cincinnati, Cincinnati, OH.
- Hedeen, S.** (2002). *The unnatural history of the Mill Creek*. Presentation delivered at the West Chester Historical Society, Cincinnati, OH.
- Hedeen, S.** (2002). *Restoration ecology on urban waterways*. Paper presented at the Ohio Chapter of the Society for Ecological Restorations, OH.
- Hedeen, S.** (2002). *Animals in urban environment*. Presentation delivered at the Cincinnati Museum Center, Cincinnati, OH.
- Hedeen, S.** (2002). *The history of Cincinnati's slopes*. Presentation delivered at the Hillside Trust Annual Meeting, Cincinnati, OH.

- Hedeon, S.** (2002). *The once and future Mill Creek*. Presentation delivered at the Cincinnati College Club, Cincinnati, OH.
- Hedeon, S.** (2001). *Proposed state nature preserves: Old growth forests in Ault Park, Caldwell Preserve, and California Woods*. Presentation delivered to the Cincinnati Park Board, Cincinnati, OH.
- Hedeon, S.** (2001). *The ridge and valley interpretive trail at Ault Park*. Presentation created for Ault Park, Cincinnati, OH.
- Hedeon, S., Miller, M., & Brand, G.** (2001). *Bridge to ruin, highway to destruction: The threatened future of the Little Miami National Wild and Scenic River*. Paper presented at the Sierra Club.
- Laine, P. S.** (2002). *Integrating technology and inquiry into a biology laboratory for undergraduates*. Paper presented at the Syllabus Conference.
- Laine, P. S., & Geer, C. J.** (2002). *Inquiry and technology in a non-majors biology laboratory. Policy, research, practice: Creating a voice for the profession*. Paper presented at the NARST Annual International Conference. New Orleans, LA.
- Laine, P. S. & Heath, L.J.** (2002). *Making a major curriculum change in a multisection, multi-instructor course*. Labstract.
- Laine, P. S.** (2001). Lecture delivered at the Syllabus Education Technology Conference.
- Laine, P. S.** (2001). Workshop delivered at the National Science Teachers Association Conference, Midwestern area.
- Laine, P. S.** (2001). *Non-majors biology lab: A new model*. Paper presented at Strategies for Success Workshop, sponsored by Benjamin Cummings, Lansing, MI.
- Laine, P. S.** (2001). Workshop delivered at Project Kaleidoscope.
- Laine, P. S.** (2001). Workshop delivered at the American Biological Laboratory Educators, University of Chicago, Chicago, IL.
- Laine, P. S.** (2001). Lecture delivered at the Ohio Academy of Science, Columbus, OH.

BOOK CONTRIBUTIONS

- Pollock, K.H., Marsh, H., Bailey, L.L., **Farnsworth, G. L.**, Simons, T.R., & Alldredge, M.W. (2004). Separating components of detection probability in abundance estimation: an overview with diverse examples. In W. L. Thompson (Ed.), *Sampling rare or elusive species* (pp. 43-58). Covelo, CA: Island Press.

BOOKS

- Laine, P. S. & Heath, L. J.** (2002). *Discovering life science*. Boston, MA: Pearson Custom Publishing Co.