

BIOLOGY

REFEREED PUBLICATIONS

- Hedeem, S.** (2003). Winter bird population changes during a 38-year period in an urbanizing region. Meadowlark, 12(3), 82-85.
- Hedeem, S.** (2000). Influence of topography on local distributions of *Plethodon cinereus* and *P. richmondi* (Plethodontidae in northern Kentucky and southwestern Ohio.) Journal of the Kentucky Academy of Science, 61, 6-9.
- Hedeem, S.** (2000). Small salamanders inhabit hillside forests. Outlook, 18(2), 4.
- Schnell, P.O., Ignacak, M.L., 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. Neurochem, 85, 483-491.
- Robbins, J.** & Theriot, J.A. (2003). *Listeria monocytogenes* rotates around its long axis during actin-based motility. Current Biology, 13(9), R754-R756.

PRESENTATIONS AT ACADEMIC CONFERENCES

- Grossman, C.J.** (2004). Manatee acoustical responses to generated frequencies in the audible range and associated avoidance behaviors. Poster presentation at the Ohio Fish and Wildlife Service conference, Fawcett Center, Ohio State University, Columbus, OH.
- Grossman, C.J.** (2003). Manatee Research. Paper presented at the Cincinnati Zoo, Cincinnati, OH.
- Hedeem, S.** (2004). The ecology and geology of Greater Cincinnati. Paper presented at the Wildflower Society of Cincinnati, Cincinnati, OH.
- Hedeem, S.** (2003). Successes and failures of an environmental resource center. Paper presented at the Hamilton County Environmental Action Commission, Cincinnati, OH.
- Hedeem, S.** (2003). Restoration of the Mill Creek. Paper presented at the Cincinnati Earth Institute, Cincinnati, OH.

- Hedeem, S.** (2003). The ecoregions of the Cincinnati area. Paper presented at the Cincinnati Museum Center, Cincinnati, OH.
- Hedeem, S.** (2003). Creating a new vision for the Mill Creek. Paper presented at the Hamilton County Department of Environmental Services, Cincinnati, OH.
- Hedeem, S.** (2003). Birds of the Little Miami river valley. Paper presented at the California Woods Nature Center, Cincinnati, OH.
- Hedeem, S.** (2003). Pollution indicators in the Mill Creek. Paper presented at the Hamilton County Environmental Action Commission, Cincinnati, OH.
- Hedeem, S.** (2000). Computer access to environmental websites. Paper presented at the Greater Cincinnati Environmental Educators Conference, Cincinnati, OH.
- Hedeem, S.** (2000). Nature as hell. Paper presented at the Union Institute Seminar on the Environment, Cincinnati, OH.
- 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. Presented at the Annual International National Association of Research in Science Teaching, New Orleans, LA.
- Laine, P.S.** (2000). Technology and inquiry in a biology laboratory for non-major. Paper presented at the Ohio Learning Network Conference, Columbus, OH.
- Conforti, L., **Robbins, J.R.**, Lee, S. & Filipovich, A.H. (2004). Hypoxia modulates membrane potential and Ca homeostasis in human T cells. Poster presentation at the FASEB Experimental Biology Meeting, Washington, DC.
- Curan, K.C., **Robbins, J.R.** & Conforti, L. (2004). Hypoxia decreases T cells' ability to respond to pathogens. Poster presentation 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 presentation at the National Conference of Undergraduate Research, Indianapolis, IN.
- Robbins, J.R.**, Lee, S., Filipovich, A.H. & Conforti, L. (2004). Hypoxia modulates T cell receptor-mediated activation in a subset of human T lymphocytes via Kv1.3 channels. Poster presentation. 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 Kvl.3 channels. Poster presentation. 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. Proceedings of the National Conference on Undergraduate Research (NCUR), Indiana University, Purdue University, Indianapolis, IN.

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*). Abstract of National Conference on Undergraduate Research, Indianapolis, IN.

Grossman, C.J. (2003). Manatee directional response to high frequency sounds, preliminary report. Proceedings of the National Conference on Undergraduate Research (NCUR), University of Utah, Salt Lake City, UT

Laine, P.S. & Heath, L.J. (2000). Introducing inquiry in a biology lab for non-majors. ABLE Proceedings of the Association for Biology Laboratory Education, 22.

OTHER

Close-Jacob, L., Alunday, R., Carpenter, J., DiCarlo, A., Habash, K. Hill, J. Mihlbachler, K. Miller, C. (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.

- Engle, D.** (2004). Invited book review: The Biological Justification for Transforming our Teaching. Review of: The Art of Changing the Brain. Enriching the Practice of Teaching by Exploring the Biology of Learning, by James E. Zull. Cell Biology Education, **3**, Winter, 233-234.
- Engle, D.**, Klamunde, M., Loftus, A., Mehl, C., Sullenberger, V. & Sullenberger, J., (Dorothy Engle, advisor). Sequencing of a possible intermediate filament gene of *Aspergillus nidulans*, Xavier University Celebration of Student Research, Cincinnati, OH.
- 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.
- Hedeon, S.** (2004). A natural history of Cincinnati parks, 9pp.
www.cincinnati-oh.gov/cityparks/pages/9921-9930.
- Hedeon, S.** (2004). Designed for intelligence. Faculty address at the Xavier Celebration of Honors, Cincinnati, OH.
- Hedeon, S.** (2004). The landscapes and streams of Greater Cincinnati. Presented at the Cincinnati Nature Center, Cincinnati, OH.
- Hedeon, S.** (2004). Ecoregions of the Cincinnati area. Presented at the Hamilton County Environmental Action Commission, Cincinnati, OH.
- Hedeon, S.** (2004). Tri-state greenspaces. Presented at the Ohio-Kentucky-Indiana Regional Council of Government.
- Hedeon, S.** (2003). An evolutionary view of the Cincinnati Zoo. Paper presented for the Xavier University Honors Program.
- Hedeon, S.** (2003). The ecology of Polk Run. Paper presented at the Symmes Township Trustees meeting, Cincinnati, OH.
- Hedeon, S.** (2003). A greenprint for the Cincinnati region: greenwoods, greenways and greenbelts. Regional Greenspace Initiative Green Paper #2, 3pp.
- Hedeon, S.** (2002). Parkland management for the declining American Woodcock, and Appendix.
- Hedeon, S.** (2002). Children's home forest. Children's Home of Cincinnati, Cincinnati, OH.
- Hedeon, S.** (2002). The unnatural history of the Mill Creek. Presented at the West Chester Historical Society, Cincinnati, OH.
- Hedeon, S.** (2002). Restoration ecology on urban waterways. Presented at the Ohio chapter of the Society for Ecological Restorations.

- Hedeon, S.** (2002). Animals in urban environments. Presented at the Cincinnati Museum Center, Cincinnati, OH.
- Hedeon, S.** (2002). The history of Cincinnati's slopes. Presented at the Hillside Trust Annual Meeting, Cincinnati, OH.
- Hedeon, S.** (2002). The once and future Mill Creek. Presented at the Cincinnati College Club, 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. 16pp. Sierra Club.
- Hedeon, S.** (2001). Proposed state nature preserves: old growth forests in Ault Park, Caldwell Preserve, and California Woods. 7pp. Cincinnati Park Board. Cincinnati, OH.
- Hedeon, S.** (2001). The Ridge and Valley Interpretive Trail at Ault Park. 1pp. Cincinnati, OH.
- Hedeon, S.** (2000). Preglacial Ohio River Valley interpretive sign at Ault Park, Cincinnati, OH.
- Hedeon, S.** (2000). Overview of environmental issues related to hosting the Olympics. Cincinnati 2012, 6pp. Cincinnati, OH.
- Laine, P.S.** (2002). Use of instructional technology as an integral part of a nonmajor science laboratory course. Journal Interactive Online Learning.
- Laine, P.S. & Heath, L.J.** (2002). Discovering Life Science. Pearson Custom Publishing Co., Boston, MA.
- Laine, P.S. & Heath, L.J.** (2002). Making a major curriculum change in a multisection, multi-instructor course. Labstract.
- Laine, P.S.** (2002). Introducing PBL and technology into your classroom. PBL 2002: A Pathway to Better Learning, 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. NARST Annual International Conference.
- Laine, P.S.** (2002). Integrating technology and inquiry into a biology laboratory for undergraduates. Syllabus Conference.
- Laine, P.S.** (2001). Lecture and discussion. Syllabus education technology conference. Fall 2001.
- Laine, P.S.** (2001). Workshop at NSTA, National Science Teachers Association, Midwestern area.
- Laine, P.S.** (2001). Non-majors biology lab: A new model. Presented at Strategies for Success workshop, a Benjamin Cummings-sponsored event. Lansing, MI.

- Laine, P.S.** (2001). Workshop at Project Kaleidoscope.
- Laine, P.S.** (2001). Workshop at ABLE, American Biological Laboratory Educators, Univ. of Chicago.
- Laine, P.S.** (2001). Lecture, Ohio Academy of Science.
- Laine, P.S.** (2000). Non-majors biology lab: A new model. Presented at Strategies for Success workshop, a Benjamin Cummings-sponsored event. Columbus, OH.
- Laine, P.S.** (2000). Technology and inquiry in a biology laboratory for nonmajors. Presented lecture at Ohio Learning Network.
- Laine, P.S.** (2000). Discovering life science. Conducted a workshop to train the Faculty members of the Biology department who were assigned to teach section(s) of the new laboratory, Xavier University, Cincinnati, OH.
- Laine, P.S.** (2000). Introducing inquiry in a biology laboratory for non-majors. Presented workshop at ABLE Clemson University, Clemson, SC.
- Laine, P.S.** (2000). Understanding teaching and learning styles. Attended seminars for faculty at Xavier University, Cincinnati, OH.
- Laine, P.S.** (2000). Helping our students to improve their writing. Participated in Faculty Roundtable Discussion series at Xavier University, Cincinnati, OH.
- Laine, P.S.** (2000). Reviewed three chapters in textbook Explore Life, for Harcourt College Publishers.
- Laine, P.S.** (2000). Introduction inquiry in a biology laboratory for non-majors. Workshop presented at ABLE.
- Laine, P.S. & Heath, L.J.** (2000). A multimedia electronic lab. Syllabus, October 2000, 52-53.
- Laine, P. S. & Heath, L.J.** (2000). Technology in a biology laboratory for non-majors, Grapevine Magazine, 1(5).
- Laine, P.S.** (1998-2000). Reviewed science educational materials and projects for Horizon Research, Inc. (TMAT) and The Urban Institute.
- Paulding, W.R., et. al.** (2002). Regulation of gene expression for neurotransmitters during adaptation to hypoxia in oxygen sensitive neuroendocrine cells. *Microsa Res Tech*.
- Paulding, W.R., et. al.** (2002). Endogenous von Hippel-Lindau tumor suppressor protein regulates catecholaminergic phenotype in PC 12 cells. *Cancer Research*.