

BIOLOGY

REFEREED PUBLICATIONS

- Mendenhall, C.L., Finkelman, F., Means, R.T., Sherman, K.E., Nguyen, V.T., **Grossman, C.J.**, Morris, S.C., Rouster, S., & Roselle, G.A. (1999) Cytokine response to BCG infection in alcohol-fed mice. Alcohol, 19(1), 57-63.
- Hedeem, S.** (2003). Winter bird population changes during a 38-year period in an urbanizing region. Meadowlark, 12(3).
- 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.
- Hedeem, S.** (1999). Railway-aided dispersal of an introduced *Podarcis muralis* population. Herpetological Review, 30, 57-58.
- Dumas, T., McLaughlin, J., Ho, D., **Meier, T.J.**, & Sapolsky, R.M. (1999). Delivery of herpes simplex virus amplicon-based vectors to the dentate gyrus does not alter hippocampal synaptic transmission in vivo. Gene Therapy, 6, 1679-1684.
- Meier, T.J.**, Monje, M.L., & Sapolsky, R.M. (1999). Calbindin overexpression buffers hippocampal metabolism from the disruptive effects of glutamate exposure. Abstracts - Society for Neuroscience, 25, 1086.
- Phillips, R.G., **Meier, T.J.**, Giuli, L.C., McLaughlin, J.R., Ho, D.Y., & Sapolsky, R.M. (1999). Calbindin D28K gene transfer via herpes simplex virus amplicon vector decreases hippocampal damage in vivo following neurotoxic insults. Journal of Neurochemistry 73, 1200-5.
- Phillips, R.G., Giuli, L.C., **Meier, T.J.**, & Sapolsky, R.M. (1999). Calbindin D-28k gene transfer 30 min or 1 hour after excitotoxic insult decreases hippocampal damage in vivo. Abstracts - Society for Neuroscience, 25, 1086.
- Van den Pol, A.N., Mocarski, E., Saederup, N., Vieira, J., & **Meier, T.J.** (1999). Cytomegalovirus cell tropism, replication, and gene transfer in brain. Journal of Neuroscience 19, 10948-10965.

- Yenari, M.A., Minami, M., Sun, G.H., **Meier, T.J.**, Ho, D.Y., Sapolsky, R.M., & Steinberg, G.K. (1999). Calbindin D28k overexpression attenuates neuron death following transient focal cerebral ischemia. Abstracts - Society for Neuroscience, 25, 2101.
- Yenari, M.A., Minami, M., Sun, G.H., **Meier, T.J.**, Ho, D.Y., Sapolsky, R.M., & Steinberg, G.K. (1999). Calbindin D28K overexpression using gene transfer therapy improves striatal neuron survival following transient focal cerebral ischemia. Annals of Neurology, 46(3), 479.
- 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.** (2003). Manatee Research. Paper presented at the Cincinnati Zoo, Cincinnati, OH.
- 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.** (2000). Computer access to environmental websites. Paper presented at the Greater Cincinnati Environmental Educators Conference, Cincinnati, OH.

Hedeon, 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 nonmajor. Paper presented at the Ohio Learning Network Conference, Columbus, OH.

Laine, P.S., & Finke, L. (1999). Reshaping undergraduate science and engineering education: Tools for better learning. Paper presented at the Sigma XI Forum, Minneapolis, MN.

Yenari, M.A., Minami, M., Sun, G.H., **Meier, T.J.**, Ho, D.Y., Sapolsky, R.M., & Steinberg, G.K. (1999). Gene transfer therapy with overexpression of the calcium binding protein, calbindin D28K, is neuroprotective against experimental stroke. Paper presented at the Congress of Neurological Surgeons, 49th Annual Meeting Program, 49:141.

PROCEEDINGS

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 nonmajors. ABLE Proceedings of the Association for Biology Laboratory Education, 22.

Laine, P.S. & Heath, L.J. (1999). An introduction to inquiry: A guided inquiry experience. Proceedings of the Sigma XI Forum, 130-131. Minneapolis, MN

OTHER

Grossman, C.J. (1999). Immunological effects. In: Committee on Hormonally Active Agents in the Environment. Board on Environmental Studies and Toxicology, Commission on Life Sciences, National Research Council, National Academy Press, Washington, D.C.

- 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.
- Hedeon, S.** (1999). Ecological effects of a lake at Camp Friedlander, Presented at the Ohio Environmental Protection Agency, Milford, OH.
- Hedeon, S.** (1999). Guide to the Ault Park tree trail, 2nd ed. Cincinnati Park Board, 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. PBL2002: 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, Tearesearch, 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 nonmajors, Grapevine Magazine, 1(5).
- Laine, P.S.** (1999). Winning in Math and Science. Presentation for Mt. Healthy City Schools, Cincinnati, OH.
- Laine, P.S.** (1999). How to improve student writing. Attended seminar for the faculty at Xavier University, Cincinnati, OH.
- Laine, P.S.** (1999). Participated in Faculty Roundtable Discussion series at Xavier University, Classroom Assessment, Cincinnati, OH.
- Laine, P.S.** (1999). Inquiry. Presented poster session at Sigma Xi Education Forum.
- Laine, P.S.** (1998-1999). Science inquiry and standards. Presented several seminars for the Principal Leadership Seminar series sponsored by Ohio's Systemic Initiative (OSI) Discovery.
- 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.