

Curriculum Vita
Keith W. Pecor, Ph.D.

CONTACT INFORMATION

Department of Biology
The College of New Jersey
2000 Pennington Road
Ewing, NJ 08628-0718

Office: Biology Building 203
Phone: 609-771-2460
Fax: 609-637-5118
Email: pecor@tcnj.edu

EDUCATION

- Ph.D. in Biology, University of Michigan, 2005
- M.S. in Biology, University of Michigan, 2002
- B.S. in Biology, University of Memphis, 2000

AWARDS

- Outstanding Graduate Student Instructor, University of Michigan, 2005
- Donald W. Tinkle Scholarship, University of Michigan Museum of Zoology, 2005
- Junior Fellowship, Sweetland Writing Center, University of Michigan, 2003 – 2004
- Biology Faculty Award, University of Memphis, 2000
- Undergraduate Research Scholar, University of Memphis, 2000
- Browne Biology Scholarship, University of Memphis, 1999 – 2000
- Cecil C. Humphreys Presidential Scholarship, University of Memphis, 1996 – 2000

PROFESSIONAL EXPERIENCE

- Professor, Department of Biology, The College of New Jersey, 2018 – present
- Associate Professor, Department of Biology, The College of New Jersey, 2015 – 2018
- Assistant Professor, Department of Biology, The College of New Jersey, 2007 – 2015
- Faculty Fellow, Department of Biology, Rhodes College, 2005 – 2007
- Curatorial Assistant, Division of Reptiles and Amphibians, University of Michigan Museum of Zoology, 2001 – 2005
- Graduate Student Instructor, University of Michigan, 2000 – 2005
- Research Associate, Stream Research Facility, University of Michigan Biological Station, 2004
- Endangered Species Surveyor, Michigan Natural Features Inventory, 2002
- Part-time Instructor, University of Memphis, 1999 – 2000

TEACHING

The College of New Jersey (2007 – present)

- First Seminar: What is Evolution?
- Orientation to Biology (4 semesters)
- Foundations of Biological Inquiry (2 semesters)
- Ecology and Field Biology (11 semesters)
- Biology of the Invertebrates (5 semesters)
- Freshwater Ecology (4 semesters)
- Community Ecology
- Biology Seminar: Sexual Selection

Curriculum Vita
Keith W. Pecor, Ph.D.

- Biology Seminar: The Biology of Sleep

Rhodes College (2005 – 2007)

- Biology II
- Evolution
- Vertebrate Life
- Senior Seminar: Sexual Selection

University of Michigan (2000 – 2005)

- First-Year Seminar: Thinking Across Categories: Science, the Arts, and the Motorcycle
- Introduction to Biology Laboratory and Recitation (3 semesters)
- Evolution Recitation (2 semesters)
- Biology of Amphibians and Reptiles Laboratory (4 semesters)

University of Michigan Biological Station (2002, 2005)

- General Ecology Laboratory
- Evolution and Natural History Laboratory

University of Memphis (1999 – 2000)

- Introduction to Biology for Non-Majors Laboratory (4 semesters)

PUBLICATIONS (student co-authors in italics)

Articles

Veerapandiyan, A., Aravindhan, A., Takahashi, J.H., Segal, D., Pecor, K., and Ming, X. 2018. Use of head computed tomography in the pediatric emergency room in evaluation of children with new onset afebrile seizure. *Journal of Child Neurology* (in press).

Pecor, K.W. and Batko, K.A. 2017. Phenology: from natural history to climate change. *American Biology Teacher* 79:412-415.

Kornitzer, J.M., Horenstein, D., Pecor, K.W., and Ming, X. 2017. Gluten-free /casein-free diet improves behavior in a subset of children with an autism spectrum disorder. *Journal of Nature and Science* 3:e300.

Pecor, K., Wang, X., and Ming, X. 2017. Gender and sleep health in high school students: a cross-cultural study. *Global Journal of Health Science* 9:124-130.

Pecor, K., Sarris, T., Shaffer, J., and Thom, E. 2016. Responses to injured conspecifics and heterospecifics by the water flea *Chydorus sphaericus*. *Marine and Freshwater Behaviour and Physiology* 49:415-419.

Ming, X., Radhakrishnan, V., Kang, L., and Pecor, K. 2016. Gender, headaches, and sleep health in high school students. *Journal of Women's Health* 25:930-935.

Curriculum Vita
Keith W. Pecor, Ph.D.

- Grover, K., Pecor, K., Malkowski, M., Kang, L., Machado, S., Lulla, R., Heisey, D., and Ming, X. 2016. Effects of instant messaging on school performance in adolescents. *Journal of Child Neurology* 31:850-857.
- Pecor, K., Kang, L., Henderson, M., Yin, S., Radhakrishnan, V., and Ming, X. 2016. Sleep health, messaging, headaches, and academic performance in high school students. *Brain and Development* 38:548-553.
- Pecor, K.W., Bouobda Tsemo, G., Agarwal, N., and Ming, X. 2015. Procedure use in encephalitis, epilepsy, and meningitis: a Kids' Inpatient Database study. *Journal of Pediatric Neurology* 13:67-73.
- Pecor, K.W., Lake, E.C., and Wund, M.A. 2015. Optimal foraging by birds: feeder-based experiments for secondary and post-secondary students. *American Biology Teacher* 77:192-197.
- Ming, X., Pak, J., Mulvey, M.A., O'Sullivan, T., Reddy, C., Schwab, J., and Pecor, K.W. 2014. Sleep complaints in cerebral palsy and/or epilepsy: a pediatric sleep questionnaire study. *Journal of Pediatric Neurology* 12:127-135.
- Pecor, K.W., Deering, C.M., Firnberg, M.T., Pastino, A.K., and Wolfson, S.J. 2010. The use of conspecific and heterospecific alarm cues by virile crayfish (*Orconectes virilis*) from an exotic population. *Marine and Freshwater Behaviour and Physiology* 43:37-44.
- Adams, J.A., Pecor, K.W., and Moore, P.A. 2009. Dissolved organic matter from elevated-CO₂ detritus and its impact on the orientation of crayfish (*Orconectes virilis*) to a fish food source. *Journal of the North American Benthological Society* 28:638-648.
- Pecor, K.W. and Hazlett, B.A. 2008. The tradeoff between reproductive and food resources in the crayfish *Orconectes virilis*. *Marine and Freshwater Behaviour and Physiology* 41:273-280.
- Pecor, K.W., Dean, K.C., and Cullender, T.C. 2008. Laboratory conditioning to still or flowing water does not affect the responses to a food stimulus by red swamp crayfish (*Procambarus clarkii*) in flowing water habitats. *Marine and Freshwater Behaviour and Physiology* 41:43-51.
- Pecor, K.W. and Andras, L.E. 2007. Circadian rhythm does not affect responses to chemical cues in the red swamp crayfish, *Procambarus clarkii*. *Marine and Freshwater Behaviour and Physiology* 40:79-83.
- Pecor, K.W. 2006. The mate pursuit-predation avoidance tradeoff in the virile crayfish, *Orconectes virilis*. *Marine and Freshwater Behaviour and Physiology* 39:229-233.
- Pecor, K.W. and Hazlett, B.A. 2006. The influence of flowing water on the resource pursuit-risk avoidance tradeoff in the crayfish *Orconectes virilis*. *Ethology* 112:332-338.

Curriculum Vita
Keith W. Pecor, Ph.D.

Pecor, K.W. and Hazlett, B.A. 2006. A test of temporal variation in risk and food stimuli on behavioral tradeoffs in the rusty crayfish, *Orconectes rusticus*: risk allocation and stimulus degradation. *Ethology* 112:230-237.

Pecor, K.W. and Hazlett, B.A. 2003. Frequency of encounter with risk and the tradeoff between pursuit and antipredator behaviors in crayfish: a test of the risk allocation hypothesis. *Ethology* 109:97-106.

Notes

Eubanks, J.T. and Pecor, K.W. 2003. *Nerodia erythrogaster flavigaster*, *N. rhombifer*, and *N. sipedon pleuralis* (Yellowbelly, Diamondback, and Midland Water Snakes). Foraging behavior. *Herpetological Review* 34:70.

Lehtinen, R., Fox, G., Pecor, K., and Schneider, G. 2003. Geographic Distribution. *Hemidactylium scutatum*. *Herpetological Review* 34:256.

Eubanks, J.T., Pecor, K.W., and Moore, Z.A. 2002. *Siren intermedia nettingi* (Western Lesser Siren). Migration and locomotion. *Herpetological Review* 33:298-299.

Thomas, D.L., Eubanks, J.T., and Pecor, K.W. 2000. Geographic Distribution. *Coluber constrictor latrunculus*. *Herpetological Review* 31:54.

Reports

Pecor, K.W. 2006. Amphibian and Reptile Protocols for the All Taxa Biodiversity Inventory in Tennessee State Parks. Tennessee Wildlife Resources Agency. 33pp.

FUNDING

- Support of Scholarly Activity, The College of New Jersey, 2011 – 2013
- Support of Scholarly Activity, The College of New Jersey, 2009 – 2011
- Support of Scholarly Activity, The College of New Jersey, 2008 – 2009
- Mentored Undergraduate Summer Experience, The College of New Jersey, 2008, 2013
- Faculty Development Grant, Rhodes College, 2006
- Walker Scholarship, University of Michigan Museum of Zoology, 2004
- Biological Research Fund, University of Michigan, 2004
- University of Michigan Biological Station, 2004
- The Nature Conservancy and University of Michigan Biological Station, 2003
- Edwards Scholarship, University of Michigan, 2003
- Hinsdale Scholarship, University of Michigan Museum of Zoology, 2003
- Rackham Graduate School, University of Michigan, 2002
- University of Michigan Biological Station, 2002
- Rackham Graduate School, University of Michigan, 2001
- University of Michigan Biological Station, 2001

Curriculum Vita
Keith W. Pecor, Ph.D.

SERVICE

Reviewer

- *American Biology Teacher* (3), *Animal Behaviour* (3), *Behavioral Ecology*, *Cladistics*, *Diversity and Distributions*, *Ethology* (6), *European Journal of Neuroscience*, *Exploratory Research and Hypothesis in Medicine*, *Freshwater Crayfish*, *Journal of Chemical Ecology* (2), *Journal of Clinical Case Studies*, *Journal of Contemporary Medical Education*, *Journal of Pain Research* (3), *Marine and Freshwater Behaviour and Physiology*, *North American Journal of Fisheries Management*, *PeerJ*, *Sleep Health* (2)
- Hall, B.K. and Hallgrímsson, B. 2013. *Strickberger's Evolution*, 5th ed. Jones & Bartlett, Sudbury, MA.
- Cain, M.L., Bowman, W.D., and Hacker, S.D. 2011. *Ecology*, 2nd ed. Sinauer Associates, Inc., Sunderland, MA.
- Hall, B.K. 2010. *Evolution: Principles and Processes*. Jones & Bartlett, Sudbury, MA.
- Hall, B.K. and Hallgrímsson, B. 2008. *Strickberger's Evolution*, 4th ed. Jones & Bartlett, Sudbury, MA.
- Basic Research Grant Proposals, Engineer Research and Development Center, United States Army Corps of Engineers, 2008

Extramural

- External M.Sc. Thesis Examiner, Lakehead University, 2011
- External M. Phil. Thesis Examiner, University of Melbourne, 2010
- Panelist, Crustacean Conservation Status Review, New Jersey Fish and Wildlife, 2009 – 2010
- Taxonomic Expert, All Taxa Biodiversity Inventory, T.O. Fuller State Park, 2006 – 2007
- Panelist, Hadassah Forum on “Evolution vs. Creationism vs. Intelligent Design,” 2006

Intramural

The College of New Jersey

- Chair, Department of Biology, 2016 – present
- Chief Academic Integrity Officer, 2015 – present
- Faculty Advisor, Pre-Veterinary Club, 2015 – present
- Self-Designed Major Committee, 2011 – present
- Academic Integrity Officer, School of Science, 2009 – present
- Institutional Animal Care and Use Committee, 2010 – 2017
- Public Health Program Council, 2012 – 2016
- Seminar Leader, Teachers as Scholars, 2016
- Curriculum Committee, Department of Biology, 2015 – 2016
- Search Committee Chair, Public Health, 2015 – 2016
- Student Development Committee, Department of Biology, 2014 – 2015
- Committee on Academic Programs, Subcommittee on Academic Integrity, 2012 – 2015
- Internal Transfer Committee, Department of Biology, 2011 – 2014
- Advisement, Retention, and Recruitment Committee, Department of Biology, 2010 – 2014
- Search Committee Co-chair, Organismal Biologist, 2011
- Athletics Advisory Program Council, 2009 - 2010

Curriculum Vita
Keith W. Pecor, Ph.D.

- Search Committee, Animal Physiologist, 2009
- Search Committee Chair, Organismal Biologist / Geneticist, 2009
- Search Committee, Organismal Biologist, 2008
- Search Committee, Science Pedagogy, 2007 - 2008

Rhodes College

- Search Committee, Faculty Fellow, 2006 – 2007

University of Michigan

- Graduate Affairs Committee, Ecology and Evolutionary Biology, 2004 – 2005
- Hiring Committee, Graduate Secretary, Ecology and Evolutionary Biology, 2005
- Hiring Committee, Graduate Coordinator, Ecology and Evolutionary Biology, 2004
- Seminar Committee, Ecology and Evolutionary Biology, 2002 – 2003
- Search Committee, Director of Museum of Zoology and Herbarium, 2002 – 2003

Last updated: 25 June 2018