

Curriculum Vitae – Jennifer L. White

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Education

Northwestern University Medical School, Department of Cell, Molecular, and Structural Biology, Chicago, IL.
Postdoctoral Teaching Fellow (1993-1994).
State University of New York at Stony Brook, Department of Ecology and Evolution, Stony Brook, NY. Doctor of
Philosophy in Biology (1993). Dissertation Advisor: Dr. John G. Fleagle.
Dartmouth College, Hanover, NH. Bachelor of Arts (1986). Major in Biology modified with Anthropology.

Faculty Positions

Associate Professor of Biology (2013-present), Assistant Professor of Biology (2005-13), Temporary Instructor of Biology
(2003-05), Department of Biological Sciences, East Stroudsburg University, East Stroudsburg, PA
Visiting Assistant Professor of Biology (2004), Department of Biology, Lafayette College, Easton, PA
Assistant Professor of Biology (1999-2002), Department of Biology, Augustana College, Rock Island, IL
Assistant Professor of Biology (1994-1999), Department of Biology, Simpson College, Indianola, IA

Teaching Experience

East Stroudsburg University: Histology, Embryology, Human Anatomy & Physiology I and II, Introduction to Health
Coaching, Health Coaching Practicum, Human Gross Anatomy, Introductory Biology I and II Labs, Seminar II
Lafayette College: Advanced Anatomy (2004)
Augustana College: Developmental Anatomy, Human Cadaver Dissection (1999-2002)
Simpson College: Principles of Biology I & II, Human Gross Anatomy, Human Biology, Comparative Vertebrate Anatomy,
Systematics and Epidemiology of Infectious Diseases, Evolutionary Biology of Mammals

Publications

- White, J.L.** and Umberger, J. 2014. Assessing Mating Readiness in Male Migratory Bats from Pennsylvania. *Journal of Pennsylvania Academy of Science* 88(4): 235-246.
- White, J. L.** 2012. Phylogenetic and functional diversity of West Indian sloths. In: R. Borroto-Paez, C. A. Woods, and F. E. Sergile (eds.), *Terrestrial Mammals of the West Indies; Contributions*. Gainesville, FL: Florida Museum of Natural History Press, pp. 317-336.
- Barrieres, K., **J. L. White**, C. J. Cerra, and J. P. Tinsley. 2011. Morphometric Analysis of Nuclei, Lumens, and Shape of Lactiferous Ducts in Cancerous Breast Tissue. *Journal of Pennsylvania Academy of Science* 85(4): 174-182.
- Benjamin, A. and **White, J. L.** 2009. Factors affecting tarsal morphology in rodents. *Journal of the Pennsylvania Academy of Science* 82: 141 (Abstract).
- Rhoden, T. and **White, J. L.** 2008. Development of muscle processes in mice. *Journal of the Pennsylvania Academy of Science* 81: 134 (Abstract).
- Troianiello, J. and **White, J. L.** 2008. Tarsal form and function in insectivores. *Journal of the Pennsylvania Academy of Science* 81: 141 (Abstract).
- Rhoden, T., Sofolahan, Y., and **White, J. L.** 2007. Development of the tibia and fibula in rodents and insectivores. *Journal of the Pennsylvania Academy of Science* 80: 123-124 (Abstract).
- Teed, J., **White, J. L.**, LaDuke, T.C, and Blanck, B. 2007. Effects of early testosterone on skeletal growth in rats. *Journal of the Pennsylvania Academy of Science* 80: 127 (Abstract).
- White, J. L.** and MacPhee, R. D. E. 2001. The sloths of the West Indies: A systematic and phylogenetic review. In C. A. Woods and F. E. Sergile (eds.), *Biogeography of the West Indies*. Boca Raton, FL: CRC Press, pp. 201-235.
- MacPhee, R. D. E., **White, J. L.**, and Woods, C. A. 2000. New megalonychid sloths (Phyllophaga, Xenarthra) from the Quaternary of Hispaniola. *American Museum Novitates* 3303: 1-32.
- Meldrum, D. J., Dagosto, M., and **White, J. L.** 1997. Hind limb suspension and hind foot reversal in *Varecia variegata* and other arboreal mammals. *American Journal of Physical Anthropology* 103(1): 85-102.
- White, J. L.** 1997. Locomotor adaptations in Miocene xenarthrans. In: R. F. Kay, R. H. Madden, R. L. Cifelli, J. J. Flynn (eds.), *Vertebrate Paleontology in the Neotropics: The Miocene Fauna of La Venta, Colombia*. Washington: Smithsonian Institution Press, pp. 246-264.
- White, J. L.** 1993. Functional and phylogenetic implications of the postcranial skeleton of fossil sloths for the evolution of arboreality in tree sloths. Unpublished Ph.D. dissertation, State University of New York at Stony Brook.
- White, J. L.** 1993. Phylogenetic implications of the postcranial skeleton in sloths. *J. Vertebrate Paleontology* 13(3): 62A (Abstract).
- White, J. L.** 1993. Indicators of locomotor habits in xenarthrans: Evidence for locomotor heterogeneity among fossil sloths. *J. Vertebrate Paleontology* 13(2): 230-242.
- White, J. L.** and Fleagle, J. G. 1989. Locomotor diversity in fossil sloths. *J. Vertebrate Paleontology* 9(3): 44A (Abstract).

Participation in Scholarly Workshops

University of Manchester, UK, *Analysis of Organismal Form* on-line morphometrics course, 11/ 9-12/18, 2009.
Darling Marine Center, University of Maine, *Developmental Biology Teaching Workshop and Laboratory*, 6/27-30, 2006.

Presentations at Scientific Meetings

Myla Keiling and Jennifer L. **White**. 2017. Gross and Histological Study of the Stomach in Small Mammals. Sigma Xi Research Symposium, East Stroudsburg, Pennsylvania.
Gianeli Ortiz and Jennifer L. **White**. 2017. Functional Anatomy of the Manus in Rodents. Sigma Xi Research Symposium, East Stroudsburg, Pennsylvania.
Jennifer L. **White**. 2016. Female Reproductive Morphology of Pennsylvania Bats. East Stroudsburg University Firecracker Faculty Research Symposium.
Kimberly Arendt and Jennifer L. **White**. 2015. Histological Analysis of the Effects of Exercise on the Development of Bone in Mice. Sigma Xi Research Symposium, East Stroudsburg, Pennsylvania.
Umberger, J. and White, J.L. 2014. Reproductive Morphology and Mating Readiness in Migratory Bats of Pennsylvania. Sigma Xi Research Symposium, East Stroudsburg, Pennsylvania.
Barrieres, K. and White, J. L. 2011. Morphometric Analysis of Nuclei, Lumens, and Shape of Lactiferous Ducts in Cancerous Breast Tissue. Pennsylvania Academy of Science 87th Annual Meeting, Altoona, Pennsylvania.
White, J. L. A Shape Analysis of Mole Humeri. 2010. Society for Integrative and Comparative Biology's Division of Vertebrate Morphology Regional Meeting, Harvard University, Cambridge, Massachusetts.
Anola Benjamin and Jennifer L. White. 2009. Factors affecting tarsal morphology in rodents. Pennsylvania Academy of Science 85th Annual Meeting, Camp Hill, Pennsylvania.
Tavia Rhoden and Jennifer L. White. 2008. Development of muscle processes in mice. Pennsylvania Academy of Science 84th Annual Meeting, Grantville, Pennsylvania, *and* Sigma Xi Research Symposium, ESU, Pennsylvania.
John Troianiello and Jennifer L. White. 2008. Tarsal form and function in insectivorans. Pennsylvania Academy of Science 84th Annual Meeting, Grantville, Pennsylvania.
Tavia Rhoden, Yewande Sofolahan, and Jennifer L. White. 2007. Development of the tibia and fibula in rodents and insectivores. Pennsylvania Academy of Science 83rd Annual Meeting, Monroeville, Pennsylvania, *and* Sigma Xi Research Symposium, East Stroudsburg, Pennsylvania.
Julie Teed, Jennifer L. White, Thomas C. LaDuke, Bryan Blanck. 2007. Effects of early testosterone on skeletal growth in rats. Pennsylvania Academy of Science 83rd Annual Meeting. Monroeville, Pennsylvania.

Student Research Projects at East Stroudsburg University

Emily Jablonowski. 2019. Honors Thesis on Histology of Cancerous Tumors of Cats.
Allyson Wesner. 2019. Cardiac Histopathology.
Myla Keiling. 2017. Gross and Histological Study of the Stomach in Small Mammals.
Gianeli Ortiz. 2016-2017. Honors Thesis on Functional Anatomy of the Manus in Rodents.
Justine Ellis. 2016. Honors Thesis on Atherosclerosis and Myocardial Infarction.
Kimberly Arendt. 2014 – 2015. Effects of exercise on histological development of the mouse femur.
Shelby Giblin (M.S. candidate). 2014 – present. Reproductive Morphology and Mating Readiness in Female Migratory Bats of Pennsylvania.
Janine Umberger. 2013-2014. Reproductive Morphology and Mating Readiness in Migratory Bats of Pennsylvania.
Martine Thomas. 2012-2013. Morphometrics of Cells and Nuclei in Mouth Cancers.
Brook Lininger. 2011-2012. An Examination of Femoral Neck Angles and Associated Features.
Kelly Barrieres. 2009-2011. Morphometric Analysis of Cancerous Cells and Ducts.
Kelly Darrish. 2010. Tadpole Development Under Different Levels of Salinity.
Brooke Lininger. 2010. Development of the Skeleton in Tadpoles.
Anola Benjamin. 2008-2009. Ankle Development in Rodents.
Tavia Rhoden. 2007-2008. Development of Muscle Processes in Mice.
John Troianiello. 2007-2008. Tarsal Form and Function in Insectivorans.
Anola Benjamin. 2007-2008. Mammalian Limb Histology.
Julie Teed. 2006-2007. Muscle Processes in Small Mammals.
Tavia Rhoden and Yewande Sofolahan. 2006-2007. Mammalian Hind Limb Development.
Barrett Steltz. 2006. Form and Function in Mammalian Limb Bones.

Society Affiliations

Pennsylvania Academy of Science, CASPA Health Professions Advisors Network, Society for Developmental Biology, Society for Integrative and Comparative Biology, Society of Vertebrate Paleontology

Grants and Awards

ESU S.U.R.E. Grant, 2017 (\$1600): Gross and Histological Study of Stomachs in Small Mammals (with Myla Keiling)
Sigma Xi Faculty Memorial Award for Outstanding Presentation to Myla Keiling, 2017
FDR Mini Grant, 2014 (\$1344): Female Reproductive Morphology of Pennsylvania Bats
Sigma Xi Faculty Memorial Award for Outstanding Presentation to Janine Umberger, 2014
Darbaker Prize, 2012 (\$1000): Awarded by the PA Academy of Science for outstanding research using microscopy
ESU Foundation Grants: 2011 (\$944), 2009 (\$250), 2008 (\$560), 2007 (\$1200), 2006 (\$1437), 2005 (\$1852)
Technology Fee (\$2000) and College of Arts and Sciences (\$1000) contributions toward purchase of a microtome for the
Histology lab in Science & Technology Center, 2010
FDR Mini Grants: 2009 (\$310), 2008 (\$490), 2006 (\$475)
PASSHE's Technology Fee Program Grant, 2006 (\$63,314): Software and Equipment A&P Lab to Biological Sciences

Professional Service at ESU

Treasurer and Treasurer-elect for the Pennsylvania Academy of Science, alternating 2-year terms from 2006-present
Invited reviewer for *F1000Research* (2014), *The Anatomical Record* (2012, 2014), *Acta Palaeontologica Polonica* (2012),
Journal of Mammalian Evolution (2011), *Journal of Morphology* (2011)
Invited reviewer for PASSHE Faculty Professional Development Council's annual grant program (2010, 2011, 2014)
Outside Doctoral Dissertation Committee Member for Robert McAfee, Department of Biological Sciences, Northern Illinois
University, DeKalb, Illinois (2001-2007)

University Service

Leader of One Book discussion at freshman orientation, 2014
University Committee for Excellence in Teaching & Learning (CETL): Co-Chair 2010-13, Chair 2010, Teaching &
Learning Subcommittee 2012-14, Pedagogy Subcommittee 2010-12, Technology Subcommittee 2010-12
University Assessment Committee, 2009-present, Professional Development 2012-13, GE Assessment 2013-present
Member, Strategic Plan Implementation People and Resources Team, Spring 2010-2013

Departmental Service

Faculty Advisor, Pre-Physician Assistant Concentration in Biology Major, 2007- present
Assessment Coordinator for programs in Biological Sciences (2010-present)
Advisor, Masters student Shelby GIBLIN, 2014 - present
Member, Master's Thesis Committee for Raushan Shahalemi (2009-2013), Tamara Miller (2008)
Member, Comprehensive Exam Committees for Nicole Chinnici (2014), Martine Thomas (2013), Raushan Shahalemi
(2012), Danisa Clarrett (2010), Tamara Miller (2007)
Member, Search Committee for Human Anatomist & Physiologist (2014), Temporary Instructor of Microbiology Labs
(2013), Temporary Instructor of Human Anatomy & Physiology (2008), Marine Biologist (2005)
Chair, Search Committee for Temporary Instructor of Human Anatomy & Physiology (2007)
Chair, Search Committee for Assistant Professor of Human Anatomy & Physiology (2018)

Community Service

Co-organizer, Girls in Science Day at ESU for visiting high school and elementary girls October 2018-February 2019
Presenter and ESU coordinator for Pocono Environmental Education Center Sci-Q Summer Camp visit to East Stroudsburg
University, 2015-2018
President, Pocono Youth Orchestra board of directors, 2018-present
Vice President, Pocono Youth Orchestra board of directors, 2011-present