

AMY C. SMITH

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EDUCATION

Doctorate of Philosophy, Geosciences (Vertebrate Paleontology), 2011

Virginia Polytechnic Institute and State University (VT)

Dissertation: Description of *Tanytrachelos* and its implications for the phylogeny of Protorosauria

Advisor: Michał Kowalewski, PhD.

Master of Science, Geology (Vertebrate Paleontology), 2007

Michigan State University (MSU)

Thesis: Implications of Claw Morphology for Possible Aquatic Locomotion in *Pteranodon*.

Advisor: Michael Gottfried, PhD.

Bachelor of Arts, Geology, 2003

University of Rochester (UR)

Advisor: William Chaisson, PhD.

Associate of Arts, Science, 2000

Bucks County Community College (BCCC)

AWARDS AND GRANTS

Charles Edward Sears Summer Fellowship. Virginia Polytechnic Institute and State University Department of Geosciences. \$1513. 2010.

Geosciences Category (adult level) Year of Science Zine-a-thon Contest winner. COPUS & Year of Science. \$25. 2010.

D.R. Wones Research Award, Virginia Polytechnic Institute and State University Department of Geosciences. \$1000. 2009.

Geosciences Summer Fellowship, Virginia Polytechnic Institute and State University Department of Geosciences. \$700. 2009.

Tillman Geosciences Graduate Research Award, Virginia Polytechnic Institute and State University. \$1000. 2008.

BP Geosciences Graduate Fellowship, Virginia Polytechnic Institute and State University Department of Geosciences. \$1400. 2008.

Shell Oil Company Fellowship for 2006-2007, Michigan State University Department of Geological Sciences. \$400.

Stephen J. Gould Student Grant, Paleontological Society. \$500. 2005.

Lucile Drake Pringle and Gordon H. Pringle Endowed Fellowship for 2004-2005, Michigan State University Department of Geological Sciences. \$1,518.

Phi Theta Kappa Honor Society. 2000.

CERTIFICATES

Virginia Museum Collections Boot Camp. Held at Virginia Tech by the Virginia Association of Museums. 2010.

Virginia Museum Fundamentals Forum. Held at Virginia Tech by the Virginia Association of Museums. 2010.

EMPLOYMENT

2009, 2011: Teaching Assistant/Lab Instructor of Paleontology, GEOS3604, VT

2008-2010: Virginia Tech Museum of Geosciences Curation and Outreach Assistant, VT

2008: Coordinator and Lab Instructor of The Earth and Life through Time, GEOS1014, VT

2007: Teaching Assistant and Lab Instructor of The Earth and Life through Time, GEOS1014, VT

2007: Department of Geology Office Assistant, MSU

2004-2007: Paleobotany Specimen Curation Assistant, MSU

2005, 2006: Lab Instructor of Geology of the Human Environment Laboratory, ISP203L, MSU

2004-2005,

2006, 2007: Teaching Assistant/Lab Instructor of Physical and Biological History of the Earth, GLG304, MSU

2003: Foraminifera Sample Preparation Assistant, University of Rochester

RELATED RESEARCH

2003: Vertebrate Fossil Collection Cataloger/Repairer, UR

OUTREACH ACTIVITIES

02/2007: Participated in Darwin Discovery Day as a display attendant, MSU Museum

02/2006: Participated in Darwin Discovery Day as a display attendant, MSU Museum

06/2005: Participated in Fossil Camp as a director's assistant, MSU Museum

02/2005: Participated in Darwin Discovery Day as a director's assistant, MSU Museum

WORKSHOPS CONDUCTED

09/2009: Led educators' introduction to the Virginia Fossils & Paleontology kit for the Museum of Geosciences, VT

CONFERENCE PRESENTATIONS

- Smith, Amy C. 2010. A Morphological and Morphometric Redescription of *Tanytrachelos ahynis*. SVP 2010 Annual Meeting Program and Abstracts Book, p. 167A.
- Smith, Amy C. 2009. Comparative Morphometrics of *Syllomus* Carapace Bone Plates. Southeastern Association of Vertebrate Paleontology Proceedings, v. 2, p. 10.
- Smith, Amy C. 2008. Time-Stratigraphic Correlation to A. W. A. Kellner's (2005) Strict Consensus Cladogram of Pterosaurs (Reptilia; Pterosauria). Southeastern Association of Vertebrate Paleontology Proceedings, v. 1, p. 24.
- Smith, Amy C. 2006. Claw Morphology of *Pteranodon* and Possible Aquatic Locomotion. Geological Society of America Abstracts, v. 38, no. 7, p. 555.

PUBLICATIONS

- Smith, Amy C. (in prep.) Examining archosauromorph relationships through a reanalysis of protosaur cladistics.
- Smith, Amy C. (in prep.) A morphological and morphometric redescription of *Tanytrachelos ahynis*.
- Smith, Amy C. 2010. Introduction to Trilobites Kit Guide. Written for the Museum of Geosciences, Virginia Tech, in conjunction with the design and production of the outreach kit of the same name.
- Smith, Amy C. 2008. Virginia Fossils and Paleontology Kit Guide. Written for the Museum of Geosciences, Virginia Tech, in conjunction with the design and production of the outreach kit of the same name.
- Smith, Amy C. 2008. Guide to the Vertebrate Fossil Teaching Collection Located in 207 Hutchinson, University of Rochester. Written for the Department of Earth and Environmental Sciences, University of Rochester.
- Smith, Amy C. 2007. The Earth and Life through Time: Laboratory Manual (rewrite). Written for the Department of Geosciences, Virginia Tech.

RESEARCH INTERESTS

Mesozoic archosaurs and marine reptiles, archosauromorphs, chelonians, extant phylogenetic bracket, quantitative morphometrics, phylogenetics, stratocladistics, conchostracan disparity, collections management and curation, outreach and public education of science.

ACADEMIC COURSE HIGHLIGHTS

Virginia Tech: GEOS5374: Quantitative Paleobiology
GEOS5384: Morphometrics
STAT5605: Biometry I
GEOS5974: Fossil Field and Lab Work, Curation

Michigan State University: GLG433: Evolutionary Paleobiology
GLG434: Vertebrate Paleontology
GLG831: Quantitative Paleobiology
ZOL494: Comparative Vertebrate Anatomy
ZOL384: Biology of Amphibians and Reptiles

University of Rochester: EES201: Earth Evolution
EES207: Invertebrate Paleontology
EES274: Paleoceanography
EES263: Biogeochemistry
STT212: Applied Statistics
BIO205: Evolution
BIO263: Ecology
BIO198: Principles of Genetics

LANGUAGES

French
Japanese

REFERENCES

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Professor of Geobiology
4044 Derring Hall (0420), Virginia Tech, Blacksburg, VA 24061
540-231-5951
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Llyn Sharp
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Associate Professor, Michigan State University
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