

Curriculum Vitae
Jennifer C. Olori
August 10th, 2010

Personal Information:

PhD Candidate

Jackson School of Geosciences

The University of Texas at Austin

1 University Station, C1100

Austin, TX 78712

Education:

- PhD, Geological Sciences: Vertebrate Paleontology, The University of Texas at Austin, Austin, Texas, 2005-2010 (anticipated graduation date)
- B.S., Biological Sciences, Cornell University, Ithaca, New York, 2000-2004, Magna cum Laude

Teaching Experience:

- **Assistant Instructor:** GEO 405 Life Through Time; course for lower-level majors and non-majors on the principles of science, the evolution of the Earth, and the origin and Evolution of Life; The University of Texas at Austin; Fall 2010 (current)
- **Teaching Assistant:** GEO 302M The Age of Mammals (Mammalogy); a non-majors course on the principles and methodology of science, in the context of evolutionary biology and paleontology; The University of Texas at Austin; Spring 2010; Instructor: Dr. Christopher Bell
- **Teaching Assistant:** GEO 322V/389R Morphology of the Vertebrate Skeleton; graduate and undergraduate course in osteology covering all parts of the skeleton of all vertebrate taxa; Head TA and Temporary Instructor; The University of Texas at Austin; Spring 2009; Instructor: Dr. Christopher Bell
- **Teaching Assistant:** GEO 302P Sustaining a Planet; A University of Texas at Austin Signature Course on sustainability and science fundamentals; Fall 2007; Instructors: Dr. Jay Banner and Dr. David Allen
- **Teaching Assistant:** GEO 422K Paleobiology; Head TA; an upper level course on invertebrate and vertebrate zoology, paleontology, systematics, and evolution; The University of Texas at Austin; Fall 2006; Instructor: Dr. James Sprinkle
- **Teaching Assistant:** GEO 404C Plate Tectonics; an introductory course on historical geology, geological processes, and paleontology; Head TA; The University of Texas at Austin; Spring 2006; Instructor: Dr. James Sprinkle
- **Teaching Assistant:** GEO 302D The Age of Dinosaurs; a non-majors course on scientific methodology and fundamentals in the context of dinosaur and bird evolution; The University of Texas at Austin; Fall 2005; Instructor: Dr. Timothy Rowe
- **Undergraduate Teaching Assistant and Webmaster:** BioES 274 Vertebrates: Form, Function, and Evolution; an upper level course on comparative vertebrate

zoology, anatomy, systematics, and evolution; Cornell University; Spring 2004;
Instructor: Dr. Kelly Zamudio

Advising

- Rebecca Comeaux, Spring 2006-Spring 2007. Undergraduate Senior Thesis, “A detailed morphological analysis of the uropeltid *Plectrurus aureus* Beddome, 1880 incorporating X-ray computed tomography” (see publications). The University of Texas at Austin.
- Mead Turner, Fall 2006. Intellectual Entrepreneurship: Pre-Graduate School Internship. Sponsored by and part of the portfolio of the Vice President for Diversity and Community Engagement (DDCE). The University of Texas at Austin

Professional Appointments (Non-teaching):

- Research Assistant: Non-Vertebrate Paleontology Laboratory, Texas Natural History Collections. June 2009-August 2009, June 2008-August 2008, January 2007-August 2007, and June 2006-August 2006
- Image Processing: DigiMorph, The Digital Morphology library. A National Science Foundation digital library at The High-Resolution X-ray Computed Tomography Facility at the University of Texas at Austin (UTCT). September 2004-June 2005 (refer to www.digimorph.org for short, online publications)
- Internship: The Carnegie Museum of Natural History, Section of Mollusks. Supervisor: Dr. Timothy Pearce. June 2003-August 2003
- Undergraduate Research Assistant: REM Lab, Department of Natural Resources, Cornell University. Supervisor: Dr. Bernd Blossey. May 2002-August 2002; May 2004-July 2004

Other Research and Field Experience:

- Paleontological fieldwork: Chinle Formation, Triassic; Holbrook, Arizona, USA. Led by Dr. Timothy Rowe, The University of Texas at Austin. May 2006 (prospecting, excavation, plaster jacketing)
- Paleontological fieldwork: Permian; Seymour, Baylor County, Texas, USA. Led by Dr. Jason Anderson, The University of Calgary. May 2009.

Publications

Peer-reviewed Publications:

- Fröbisch, Nadia B., **Jennifer C. Olori**, Rainer R. Schoch, and Florian Witzmann. 2010. Amphibian development in the fossil record. *Seminars in Cell & Developmental Biology* 21: 424-431.
- **Olori, Jennifer C.** 2010. Digital endocasts of the braincase and osseous labyrinth of *Uropeltis woodmasoni* (Alethinophidia: Uropeltidae). *Copeia* 2010(1): 14-26.
- Pearce, Timothy A., **Jennifer C. Olori**, and Kathleen W. Kemezis. 2010. Land snails from St. Elzear Cave, Gaspé Peninsula, Quebec: Antiquity of *Cepaea hortensis* in North America. *Annals of Carnegie Museum* 79: 73-86.

- Comeaux, Rebecca S., **Jennifer C. Olori**, and Christopher J. Bell. 2010. Cranial osteology and preliminary phylogenetic assessment of *Plectrurus aureus* Beddome, 1880 (Squamata: Serpentes: Uropeltidae). *The Zoological Journal of the Linnean Society* 160: 118-138.

Manuscripts submitted:

- Maddin, Hillary C., **Jennifer C. Olori**, and Jason S. Anderson. A redescription of *Carrolla craddocki* (Lepospondyli: Brachystelechidae) based on high-resolution CT, and the impacts of miniaturization and fossoriality on morphology. Submitted to *Journal of Morphology*, August 2010.

Published Abstracts:

- **Olori, Jennifer C.** 2009. Comparative analysis of postcranial ossification sequences across extinct and extant tetrapods. *Journal of Vertebrate Paleontology* 29 (Supplement to number 3):158A.
- **Olori, Jennifer C.** 2009. Cranial anatomy and ontogeny in *Pantylus cordatus* based on high resolution X-ray computed tomography. *Texas Academy of Science*, 112th Annual Meeting. P. 134.
- **Olori, Jennifer C.** 2008. Postcranial ossification sequence and morphogenesis of *Microbrachis pelikani* (Lepospondyli: Tetrapoda). *Journal of Vertebrate Paleontology* 28 (Supplement to number 3):123A.
- **Olori, Jennifer C.** and Christopher J. Bell. 2007. Apomorphic identification of fossil caudate vertebrae from Oregon and California: Futile or fruitful? *Journal of Vertebrate Paleontology* 27(Supplement to number 3):125A.
- **Olori, Jennifer C.** 2007. Anatomy From The Inside Out: The braincase of *Uropeltis woodmasoni* (Alethinophidea: Uropeltidae) as revealed by high resolution computed tomography. *ASIH Annual Joint Meeting of Ichthyologists and Herpetologists*. P. 346.
- **Olori, Jennifer C.** 2007. Details of the skull and braincase of *Uropeltis woodmasoni* (Alethinophidea: Uropeltidae) as revealed by high resolution computed tomography. *Texas Academy of Science*, 110th Annual Meeting. P. 73.
- **Olori, Jennifer C.** 2006. Variation in the vertebral column and tail shield of the Uropeltidae (Serpentes: Alethinophidia). *Texas Academy of Science*, 109th Annual Meeting. P. 101.
- Pearce, Timothy A. and **Jennifer C. Olori**. 2004. Land snails from St. Elzear Cave, Gaspé Peninsula, Quebec: Antiquity of *Cepaea hortensis* in North America. *American Malacological Society Annual Meeting* (program p. 68).

- Pearce, Timothy A. and **Jennifer C. Olori**. 2004. Did the land snail *Cepaea hortensis* predate Vikings in North America? *Mid-Atlantic Malacologists Meeting*.

Accepted Abstracts:

- **Olori, Jennifer C.** Developmental features of microsaur (Lepospondyli), and consequences for the evolution of development and phylogenetic relationships within Tetrapoda. *Journal of Vertebrate Paleontology*, for the 2010 annual meeting of the Society of Vertebrate Paleontology, Romer Prize Session.

Grants and Awards:

Internal

- University Continuing Fellowship, Fall 2010- Spring 2011 - \$26,251
- Banks Fellowship, Fall 2008, The University of Texas at Austin - \$10,000
- Jackson School of Geosciences, 2008 grant match program - \$1,000
- Jackson School of Geosciences, 2008 off-campus research support - \$1,287
- Jackson School of Geosciences, 2007 scholarship for summer analytical fees - \$740
- Jackson School of Geosciences, 2007 grant match program - \$1,000

External

- Society of Vertebrate Paleontology, 2007 Estes Memorial Grant - \$1,000
- Texas Academy of Science, 2007 first place PhD research award - \$1,500
- Paleontological Society, 2007 Lane Student Research Award - \$500
- Sigma Xi, 2007 Grants-in-Aid - \$400

Manuscripts Reviewed by Me

- Journal of Anatomy: 1

Invited and Guest Lectures

- Jackson School of Geosciences, Technical Sessions, March 23, 2010, talk on "The Evolution of Development in Early Tetrapods: Growth and Relationships of Paleozoic Microsaur"

Outreach Education

- Pre-lecture talk on amphibian evolution, biology, and conservation; question/answer session; and activities for the lecture "Effect of Herbicides on Frogs, Male Fertility", by Dr. Tyrone Hayes; part of the Hot Science-Cool Talks Outreach Series, Environmental Science Institute of The University of Texas at Austin; Location: Sibley Nature Center in Midland, TX; January 30, 2009
- 4-H Program and Office Assistant: Cornell Cooperative Extension of Rockland County, New York; 1998-2002

Workshops and Training

- Center for Sustainable Engineering NSF workshop on integrating sustainability into engineering curricula, hosted at The University of Texas at Austin, 2007; Role: participant
- Signature Course TA Training: Leading Discussions, hosted by the Division of Instructional Innovation and Assessment (DIIA) and the UT Learning Center at The University of Texas at Austin, 2007; Role: participant
- Amphibian Tree of Life Amphibian Anatomical Ontology Workshop, hosted at The University of Kansas, Lawrence, Kansas, 2006; Role: participant.
- Amphibian Tree of Life Computed Tomography Workshop, hosted at the UTCT Laboratory, The University of Texas at Austin, 2005; Role: CT Lab support staff.

Professional Service:

- Technical Session Moderator for the 69th Annual Meeting of the Society of Vertebrate Paleontology, Bristol, UK. September, 2009.

Professional Affiliations:

- Paleontological Society (2007-)
- American Society of Ichthyologists and Herpetologists (2006-)
- Texas Academy of Science (2005-)
- Society of Vertebrate Paleontology (2004-)