

CURRICULUM VITAE
Lauren Cole Sallan
(January 30, 2012)

Program in Integrative Biology
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EDUCATION

2012 (Ex. June)	Ph.D.	Integrative Biology	University of Chicago
2009	S.M.	Organismal Biology	University of Chicago
2007	M.S.	Biological Sciences	Florida Atlantic University
2003	B.S.	Biology, <i>cum laude</i> .	Florida Atlantic University

PROFESSIONAL POSITIONS

2012- (Sept.)	Postdoctoral Scholar	Michigan Society of Fellows
2012- (Sept.)	Assistant Professor Ecology and Evolutionary Biology	University of Michigan

PUBLICATIONS

2012 **L. Sallan** and M. Friedman. "Heads or Tails: Staged Diversification in Vertebrate Evolutionary Radiations." *Proceedings of the Royal Society B*. doi: **10.1098/rspb.2011.2454**

2011 **L. Sallan**, T. Kammer, W. Ausich and L. Cook. "Persistent Predator-Prey Dynamics Revealed by Mass Extinction." *Proceedings of the National Academy of Sciences* **108**: 8335-8338.

2010 **L. Sallan** and M. Coates. "End-Devonian Extinction and a Bottleneck in the Early Evolution of Modern Jawed Vertebrates." *Proceedings of the National Academy of Sciences* **107**: 10131-10135. *

 *"**Fifty Ideas That Will Change Science Forever**." *New Scientist* No. 2781 October 9, 2010.

Submitted and Accepted.

Accepted with Rev. M. Friedman and **L. Sallan**. "500 Million Years of Extinction and Recovery: a Phanerozoic Survey of Large-Scale Diversity Patterns in Fishes." *Palaeontology*.

Submitted **L. Sallan**. "Tetrapod-like Axial Regionalization in an Early Ray-finned Fish.

In Preparation.

L. Sallan and M. Coates. “New Reconstruction of the Long-Rostrumed Elasmobranch *Bandringa rayi*, with Comments on Taphonomy.”

L. Sallan, M. Kemp and D. Fraser. “FALKOR: Phylogeny-Based Analysis Loops for Correlation of Traits.”

GRANTS AND AWARDS

2012	Michigan Fellowship Michigan Society of Fellows	
2011	Travel Award Paleontological Society	\$400
2011	Student Travel Award Women’s Board	\$500
2010	NSF DDIG DEB-1011002. “DISSERTATION RESEARCH: The Consequences of Global Events on Vertebrate Biodiversity: the Paleozoic Actinopterygian Radiation.” National Science Foundation	\$14979
2010	Honourable Mention, President’s Prize. Palaeontological Association. Annual Meeting, Ghent, Belgium. December 17-20, 2010.	
2010	IPC Student Travel Grant Paleontological Society	\$1000
2010	IPC Student Travel Grant IGCP 572	£500
2009	Sylvester-Bradley Award Palaeontological Association	£1000
2009	Jackson School of Geosciences Student Member Travel Grant Society for Vertebrate Paleontology	\$700
2009	Student Travel Grant North American Paleontological Conference	\$250

2009	Raney Fund Award American Society of Ichthyologists and Herpetologists	\$1000
2009	N. Gary Lane Student Research Award Paleontological Society	\$750
2009	Earth Science Student Research Grant Evolving Earth Foundation	\$3000
2009	CEB Hinds Fund University of Chicago	\$1000
2009	Student Presentation Award Geological Society of America, North-Central Section. 43 rd Annual Meeting. Rockford, IL. April 2-3, 2009.	\$280
2009	GSA Section Student Travel Grant Geological Society of America	\$40

INVITED TALKS

2012	L. Sallan. “After the End: How the end-Devonian extinction shaped vertebrate biodiversity, ecology, and morphology.” Santa Fe Institute, Santa Fe, NM. January 25, 2012.
2011	M. Friedman, L. Sallan , and G. Lloyd. ““Half a billion years of extinction and recovery: Phanerozoic diversity patterns in fishes.” Palaeontological Association Annual Meeting, Plymouth, UK, December 17-20, 2011.
2011	L. Sallan. “Surviving the recovery: how the aftermath of the end-Devonian extinction shaped subsequent vertebrate biodiversity.” World Conference on Marine Biodiversity 2011. Aberdeen, Scotland. September 26-30, 2011.
2011	L. Sallan , T. Kammer, W. Ausich and L. Cook. “The impact of successive Devonian extinctions on crinoid and vertebrate trophic interactions and diversity.” Geological Society of America Northeast/North-Central Combined Section Meeting, Pittsburgh, PA. March 20-22, 2011.

ORAL PRESENTATIONS

2012	L. Sallan. “After the end: How the end-Devonian mass extinction shaped vertebrate ecology and evolution.” Natural History Seminar Series, Department of Ecology and Evolution, University of
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Chicago, January 31, 2012.

- 2011 **L. Sallan.** “When is an eel not an eel? Axial regionalization and specialization in an early actinopterygian fish, *Tarrasius problematicus*.” Society of Vertebrate Paleontology, 71st Annual Meeting, Las Vegas, NV, November 2-5, 2011.
- 2011 W. Ausich, T. Kammer and **L. Sallan.** “Climate change versus predation: drivers for macroevolutionary transitions within Paleozoic crinoids.” Geological Society of America Annual Meeting. Minneapolis, MN. October 2-6, 2011.
- 2011 **L. Sallan,** T. Kammer, W. Ausich and L. Cook. “The impact of successive Devonian extinctions on early vertebrate ecosystems and diversity.” 12th International Symposium on Early Vertebrates/Lower Vertebrates, Dallas, TX. June 11-14, 2011. **(session chair)**
- 2010** **L. Sallan,** T. Kammer, W. Ausich and L. Cook. “Look, no arms race: predator-prey interactions between durophagous fishes and camerate crinoids following the Hangenberg mass extinction.” Palaeontological Association Annual Meeting, Ghent, Belgium. December 17-20, 2010.*
- *Honourable Mention, Presidents Prize for Best Presentation,**
Palaeontological Association.
- 2010 T. Kammer, **L. Sallan,** W. Ausich and L. Cook. “Radiation and legacy adaptations of Mississippian camerate crinoids following the Hangenberg extinction of predatory fishes.” Geological Society of America Annual Meeting, Denver, CO. October 31-November 3, 2010.
- 2010 **L. Sallan.** “Functional morphology and modular lags in the early diversification of ray-finned fishes (Actinopterygii).” Society for Vertebrate Paleontology 70th Anniversary Meeting. Pittsburgh, PA. October 10-13, 2010.
- 2010 **L. Sallan.** “Functional morphology and modular lags in radiation events: patterns from early actinopterygian morphospace.” 3rd International Palaeontological Congress. London, UK. June 28-July 3, 2010.
- 2010 M. Friedman and **L. Sallan.** “Heads and tails, size and shape: contrasting patterns and modes of phenotypic diversification during the evolutionary radiation of acanthomorph teleosts.” 3rd

International Palaeontological Congress. London, UK. June 28-July 3, 2010.

- 2009** **L. Sallan.** “Vertebrate biodiversity and large-scale turnover during the Devonian-Mississippian transition.” Society for Vertebrate Paleontology 69th Annual Meeting. University of Bristol, Bristol, UK. September 23-26, 2009.
- 2009 **L. Sallan.** “The impact of the Late Devonian biotic crisis on global vertebrate diversity: results from a new Paleozoic database.” 9th North American Paleontological Congress. Cincinnati, OH. June 21-26, 2009.
- 2009 **L. Sallan** and M. Coates. “*Bandringa*: the “spoonbill dogfish” from Mazon Creek, IL” Geological Society of America, North-Central Section. 43rd Annual Meeting. Rockford, IL. April 2-3, 2009.*
***Best Student Presentation**, GSA North-Central Section.

TEACHING

- 2012, 2011,
2009 Teaching Assistant, Lab. Instr. University of Chicago
Chordate Evolutionary Biology
- 2011, 2010 Guest Lecturer University of Chicago
Key Problems in Early Vertebrate Paleontology
- 2005 Teaching Assistant, Lab. Instr. Florida Atlantic University
Human Anatomy and Physiology 2, Comparative Vertebrate Morphogenesis.

SERVICE

- 2012 Co-organized Organismal Biology and Anatomy interdepartmental seminar series
- 2011-2012 Organized “Fish Group” biweekly interdepartmental/interdisciplinary seminar series.
- 2011 Organized departmental information session for incoming students.
- 2010 Contributed to departmental introductory seminar.
- 2008, 2009 Co-organized campus visits by perspective students. Conducted tours of facilities.

Manuscript reviews: Journal of Vertebrate Paleontology (2010, 2011).

WORKSHOPS

2011 Macroevolutionary Methods in R (Airfare and Board)
Santa Barbara, CA, August 1-4, 2011

PUBLIC OUTREACH AND PRESS COVERAGE

Radio Interviews: BBC 5 “5 Drive Live” (UK), BBC Radio Wales “Good Evening Wales” (UK), AM 900 “Matt Holmes Show” (Canada), CBC “Quirks and Quarks” (Canada), Voice of America Radio “Our World” (International).

Print Interviews: Los Angeles Times, Discovery News, Scientific American, BBC Focus Magazine (UK), Buceo XXI (Spain), Elements Science Magazine (UK), Correio Brasiliense (Brazil), University of Chicago Magazine, Medicine on the Midway.

Press Coverage: Tribune Corp. Newspapers, New Scientist, MSNBC, Yahoo News, Fox News, LiveScience, ScienceDaily (*3 Top Stories), TI-SI (*Top Story), DailyKos, NewsDay, COSMOS Magazine, Quest Magazine, Independent (UK), Daily Mail (UK), Telegraph (UK), Futura-Science (France), Der Standard (Germany), Der Spiegel (Germany), Spektrum (Germany), Great Danish (Denmark), Irish Examiner (Ireland), Correio Brasiliense (Brazil), Globe and Mail (Canada), El Mundo (Spain), NeoFronteras (Spain), EER Estonian Public News (Estonia), The Hindu (India), Mumbai Mirror (India), SAJ News Agency (Iran), Fars News (Iran), Tehran Times (Iran), AFP (France), Die Presse (Germany), Polish Press Agency (Poland), Sina Chinese News (China), Asian News International (India), Sky News (Australia), ABC News (Australia), University of Chicago Imprint, University of Chicago Biological Sciences Division Dean’s Letter.

PROFESSIONAL AFFILIATIONS

Society for the Study of Evolution, Society for Vertebrate Paleontology, Palaeontological Association, The Paleontological Society, Geological Society of America

REFERENCES

Michael Coates, PhD, University of Chicago. mcoates@uchicago.edu
Michael Alfaro, PhD, University of California, Los Angeles. Michael.alfaro@ucla.edu
William Ausich, PhD, Ohio State University. Ausich.1@osu.edu
Tom Kammer, PhD, West Virginia University. tkammer@wvu.edu
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