

Peter David Smits

CONTACT INFORMATION	Valley Life Sciences Building, Office 5151 Berkeley, CA 94720	609-933-7042 psmits@berkeley.edu
RESEARCH INTERESTS	Macroevolution, macroecology, paleobiology, Bayesian modeling, extinction, mammals, brachiopods, survival analysis, time-series analysis, longitudinal and cross-sectional data analysis	
EDUCATION	University of Chicago , Chicago, IL Ph.D., Committee on Evolutionary Biology, June 2017 <ul style="list-style-type: none">• Thesis Topic:• Advisors: Michael Foote and Kenneth Angielczyk Monash University , Melbourne, AUS M.S., Biological Sciences, Aug 2012 <ul style="list-style-type: none">• <i>First Class Honours</i>• Topic:• Advisor: Alistair Evans University of Washington , Seattle, WA B.S., Biology: Ecology and Evolution, June 2010	
PUBLICATIONS	<ol style="list-style-type: none">1. Stewart M Edie, Peter D Smits, David Jablonski. Probabilistic models of species discovery and biodiversity comparisons. <i>Proceedings of the National Academy of Sciences</i>, 114(14):3666-3671, 2016.2. Peter D Smits. Expected time-invariant effects of biological traits on mammal species duration. <i>Proceedings of the National Academy of Sciences</i>, 112(42):1301513020, 2015.3. Liliana M Davalos, Paul M Velazco, Omar M Warsi, Peter D Smits, Nancy B Simmons. Integrating Incomplete Fossils by Isolating Conflicting Signal in Saturated and Non-Independent Morphological Characters. <i>Systematic Biology</i>, 63(4):582-600, 2014.4. Christopher W Walmsley, Peter D Smits, Michelle R Quayle, Matthew R McCurry, Heather S Richard, Christopher C Oldfield, Stephen Wroe, Phillip D Clausen, and Colin R McHenry. Why the fong face? The mechanics of mandibular symphysis proportions in crocodiles. <i>PLoS ONE</i>, 8(1):e53873, 2013.5. Peter D Smits, Alistair R Evans. Functional constraints on tooth morphology in carnivorous mammals. <i>BMC Evolutionary Biology</i>, 12(1):146, 2012.6. Gregory P Wilson, Alistair R Evans, Ian J Corfe, Peter D Smits, Mikael Fortelius, and Jukka Jernvall. Adaptive radiation of multituberculate mammals before the extinction of dinosaurs. <i>Nature</i>, 483:457-460, 2012.	
PAPERS IN PREPARATION	<ol style="list-style-type: none">1. Peter D Smits. How macroecology affects macroevolution: the interplay between extinction intensity and trait-dependent extinction in brachiopods.2. Peter D Smits, Kenneth D Angielczyk, James F Parham, Bryan Stuart. Supervised learning approaches to classifying morphological variation: assessing taxonomic hypotheses for the Pacific Pond Turtle (<i>Emys marmorata</i>).	

AWARDS	Student Awards — University of Chicago		
	<ul style="list-style-type: none">• Hinds Fund Grant<ul style="list-style-type: none">• The Hinds Fund Grant’s purpose to is help early graduate students fund their initial research in order to develop pilot projects, and obtain preliminary results for their dissertation.		
	Student Awards — Monash University		
	<ul style="list-style-type: none">• Vice-Chancellor’s Commendation for Master’s Thesis Excellence, 2012.<ul style="list-style-type: none">• The Vice-Chancellor’s Commendation is give out to the best thesis submitted that year across all divisions at the university; between 0 and 5 are awarded per year.		
	Student Awards — University of Washington, Department of Biology		
	<ul style="list-style-type: none">• Casey Award for Research, 2008.		
	Travel Awards		
	<ul style="list-style-type: none">• Summer Travel Award, Committee on Evolutionary Biology, 2013, 2014, 2015, 2016.• Student Travel Stipend, Society for the Study of Evolutionary Biology, 2015.• Faculty of Science Travel Grant, Monash University, 2011.		
	PRESENTATIONS	Professional Meetings (last 5 years)	
		<ul style="list-style-type: none">• Geological Society of America Annual Meeting, Seattle, WA• Geological Society of America Annual Meeting, Denver, CO• Evolution Meetings, Austin, TX• Geological Society of America Annual Meeting, Baltimore, MD• Evolution Meetings, Guarujá, Brazil• Geological Society of America Annual Meeting, Vancouver, BC• Evolution Meetings, Raleigh, NC• Society for Vertebrate Paleontology, Los Angeles, LA• Evolution Meetings, Snowbird, UT	<div>Sept 2017</div> <div>Sept 2016</div> <div>June 2016</div> <div>Nov 2015</div> <div>June 2015</div> <div>Oct 2016</div> <div>June 2014</div> <div>Oct 2013</div> <div>June 2013</div>
TEACHING EXPERIENCE		Co-instructor	
		BSDG 5000 - Teaching Assistant Training with Alicja Santos Division of Biological Sciences, University of Chicago	Falls 2015–16
		Teaching Assistant	Spring 2016
		BIOS 20151 - Introduction to Quantitative Modeling in Biology Instructor: Dmitry Kondrashov Division of Biological Sciences, University of Chicago	
		Teaching Assistant	Winter 2015
		BIOS 13107 - Environmental Ecology Instructor: Trevor Price Division of Biological Sciences, University of Chicago	
		Teaching Assistant	Spring 2012
		BIO2011 - Research Methods Instructor: Ross Thompson, Patrick Baker School of Biological Sciences, Monash University	
	Peer Teaching Assistant	Fall 2009	
	Biol 443 - Evolution of Mammals and their Ancestors Instructor: Gregory Wilson		

Department of Biology
University of Washington

REFERENCES

Michael Foote

Professor
Department of Geophysical Sciences
University of Chicago

Phone: 773-702-4320
E-mail: mfoote@uchicago.edu

Kenneth Angielczyk

Associate Curator
Integrative Research Center
Field Museum of Natural History

Phone: 312-665-7639
E-mail: kangelczyk@fieldmuseum.org

P. David Polly

Professor
Department of Earth and Atmospheric Sciences
Indiana University

Phone: 612-626-9070
E-mail: pdpolly@indiana.edu