

Justin D. Yeakel, Ph.D.

CURRENT POSITIONS	University of California, Merced , Merced, CA Assistant Professor Assistant Research Scientist	January, 2016 - present 2015 - 2016
CONTACT INFORMATION	Science & Engineering 1, 288 Life & Environmental Sciences University of California, Merced Merced, CA 95340, USA	<i>Voice:</i> (209) 285-9571 <i>E-mail:</i> jyeakel@ucmerced.edu <i>Web:</i> http://jdyeakel.github.io
RESEARCH INTERESTS	Paleoecology, Food webs, Stable isotopes, Foraging dynamics, Niche construction, Community assembly, Ecosystem engineering, Human evolution	
PAST POSITIONS	Santa Fe Institute , Santa Fe, NM USA <i>Omidyar Fellow</i>	June, 2014 - 2017
	Simon Fraser University , Vancouver, BC Canada <i>Postdoctoral researcher</i>	June, 2012 - 2014
EDUCATION	University of California, Santa Cruz , Santa Cruz, CA USA Ph.D. Ecology & Evolutionary Biology	2006 - 2012
	<ul style="list-style-type: none">• Dissertation Topic: “The structure of mammalian food webs: Interpreting, predicting, and updating estimates of species interactions in paleontological and modern communities”• Advisor troika: Paul L. Koch, Marc Mangel, James A. EstesExternal committee member: Paulo R. Guimarães Jr.	
	Kent State University , Kent, OH USA B.S. Biological Anthropology (Biology minor), May, 2004 <i>Summa cum laude</i>	1999 - 2004
FELLOWSHIPS & GRANTS – IN REVISION	<ul style="list-style-type: none">• National Science Foundation, Biological Oceanography: <i>Collaborative Research: Resilience and collapse in marine food webs across paleo, historical, and modern ecological time scales.</i> Role: PI Amount: TBD Status: <i>In revision</i>	
FELLOWSHIPS & GRANTS – IN REVIEW	<ul style="list-style-type: none">• Blavatnik Young Investigator’s Fellowship. (2020) Role: Single-PI. Amount: \$200000. Status: <i>In Review</i>• National Science Foundation Postdoctoral Fellowship to Brian Tanis (2020) Role: co-Mentor Amount: \$252000 Status: <i>In Review</i>	

FELLOWSHIPS &
GRANTS

- National Science Foundation, LTREB: *Collaborative Research: Experimental determination of trophic dynamics and energy flows in a semiarid habitat in Chile.* (2020)
Role: PI
Lead PI: Doug Kelt (UC Davis)
Amount: \$356376
Status: *Recommended for funding*
- Sevilleta Summer Fellowship. (2019)
Role: Single-PI
Amount: \$5000
Status: *Awarded*
- National Science Foundation, LTER: *Sevilleta (SEV) Site: Climate Variability at Dryland Ecotones.* (2017)
Role: Senior Collaborator
Lead PI: Jennifer Rudgers (U New Mexico)
Amount: \$1924998
Status: *Awarded*
- National Science Foundation, SGP-Sedimentary Geology & Paleobiology: *Assessing millennial-scale community stability using highly-resolved mammal and vegetation food webs.* (2016)
Role: co-PI
Amount: \$431800
Status: *Awarded*
- James S. McDonnell Complex Systems Postdoctoral Fellowship to J.P. Gibert (2016-2018)
Role: Mentor
Amount: \$200000
Status: *Awarded*
- Omidyar Postdoctoral Fellowship, Santa Fe Institute. (2014)
Amount: \$210000
Status: *Awarded*
- UC Santa Cruz Regents Fellowship. (2011)
Amount: \$46000
Status: *Awarded*
- UC Santa Cruz Dissertation-Year Fellowship. (2011)
Status: *Runner-up*
- UC Santa Cruz Deans Fellowship. (2010)
Amount: \$46000
Status: *Awarded*
- Institute of Geophysics and Planetary Physics (IGPP) Grant. (2008)
Amount: \$5000
Status: *Awarded*
- Society of Vertebrate Paleontology Travel Award. (2007)
Amount: \$300
Status: *Awarded*
- UC Santa Cruz Graduate Research Symposium. (2007)
Status: *Honorable Mention*
- Committee on Research Grant- SRG. (2007)
Amount: \$11960 Status: *Awarded*
- Committee on Research Grant- FRG. (2007)
Amount: \$2500
Status: *Awarded*

- Friends of Long Marine Lab Research Grant. (2006)
Amount: \$800
Status: *Awarded*
- Department of Anthropology Internal Research Grant. (2006)
Amount: \$800
Status: *Awarded*
- National Science Foundation Graduate Research Fellowship. (2006)
Amount: \$138000
Status: *Awarded*

METRICS

h-index = 16; i10-index = 20 (as of May 25th, 2020)

PUBLICATIONS

*Contributed equally, †Served as mentor

35. **Yeakel J.D.**, Pires M.M., de Aguiar M.A.M., O'Donnell J.L., Guimarães P.R., Gravel D., Gross T. 2019. *Diverse interactions and ecosystem engineering stabilize community assembly*. Nature Communications: *Accepted*.
34. Pires M.M., O'Donnell J.L., Burkle L.A., Diaz-Castelazo C., Hembry D.H., **Yeakel J.D.**, Newman E.A., Medeiros L.P., de Aguiar M.A.M., Guimarães Jr. P.R. 2020. *The indirect paths to cascading effects of extinctions in mutualistic networks*. Ecology: *In Press*.
33. Gross T., Allhoff K.T., Blasius B., Brose U., Drossel B., Fahimipour A.K., Guill C., **Yeakel J.D.**, Zeng F. 2020. *Modern models of trophic meta-communities*. Philosophical Transactions of the Royal Society B: *In Press*.
32. **Yeakel J. D.**, Bhat U., Newsome S.D. 2020. *Caching in or falling back at the Sevilleta: the effects of body size and seasonal uncertainty on desert rodent foraging*. American Naturalist: *In Press*.
31. Bhat U., Kempes C.P., †**Yeakel J. D.** 2020. *Scaling the risk landscape provides insight into optimal life history strategies and the evolution of grazing*. Proceedings of the National Academy of Sciences. 117(3) 1580-1586.
 - See also related PNAS Commentary by J. M. Fryxell. 2020. *Life-history models reconstruct mammalian evolution*. Proceedings of the National Academy of Sciences. 117(4) 1839-1841.
30. de Aguiar M. A. M., Newman E. A., Pires M. M., **Yeakel J. D.**, Boettiger C., Burkle L. A., Gravel D., Guimarães P. R. Jr, O'Donnell J. L., Poisot T., Fortin M., Hembry D. H. 2019. *Revealing biases in the sampling of ecological interaction networks*. PeerJ. 7, e7566.
29. Baiser B., Gravel D., Cirtwill A., Dunne J. A., Fahimpour A. K., Gilarranz L. J., Grochow J. A., Li D., Martinez N. D., McGrew A., Poisot T., Romnuk T. N., Stouffer D. B., Trota L. B., Valdovinos F. S., Williams R. J., Wood S. A., **Yeakel J. D.** 2019. *Ecogeographical rules and the macroecology of food webs*. Global Ecology and Biogeography 28(9), 1204-1218.
28. Gibert J. P. & †**Yeakel, J. D.** 2019. *Laplacian matrices and Turing bifurcations: revisiting Levin 1974 and the consequences of spatial structure and movement for ecological dynamics*. Theoretical Ecology. 169(2), 1–17.
27. Gibert J. P. & †**Yeakel J. D.** 2019. *Eco-evolutionary origins of diverse abundance, biomass, and trophic structures in food webs*. Frontiers in Ecology and Evolution, 7, 1-15.
26. Delmas E., Besson M., Brice M.-H., Burkle L., Dalla Riva G. V., Fortin M.-J., Gravel D., Guimarães Jr. P. R., Hembry D., Newman E., Olesen J. M., Pires M., **Yeakel J. D.**, Poisot T. 2018. *Analyzing ecological networks of species interactions*. Biological Reviews. 94(1), 16-36.
25. **Yeakel J. D.**, Gibert J. P., Gross T., Westley P. A. H., Moore J. W. 2018. *Eco-evolutionary dynamics, density dependent dispersal, and collective behaviour: implications for salmon metapopulation robustness*. 2018. Philosophical Transactions of the Royal Society B: Biological Sciences. 373(1746), 20170018.

24. *Yeakel J. D., *Kempes C. P., *Redner S. 2018. *Dynamics of starvation and recovery predict extinction risk and both Damuth's law and Cope's rule*. Nature Communications. 9, 657.
23. Dominy N. J., Yeakel J. D. 2017. *Frankenstein and the horrors of competitive exclusion*. Bioscience. 67, 107-110.
22. Novak M., Yeakel J. D., Noble A. E., Doak D. F., Emmerson M., Estes J. A., Jacob U., Tinker M.T., Wootton J.T. 2016. *Characterizing species interactions: What is the community matrix?* Annual Review of Ecology, Evolution, and Systematics, 47, 409-432.
21. Dominy N. J., Yeakel J. D., Bhat U., Ramsden L., Wrangham R. W., Lucas P. W. 2016. *How chimpanzees integrate sensory information to select figs*. Journal of the Royal Society Interface Focus, 6, 20160001.
20. Yeakel J. D., Bhat U., Elliott Smith E. A., Newsome S. D. 2016. *Exploring the isotopic niche: isotopic variance, physiological incorporation, and the temporal dynamics of foraging*. Frontiers in Ecology and Evolution, 4, 2188.
19. Crowley B., Melin A. D., Yeakel J. D., Dominy N. J. 2015. *Do oxygen isotope values reflect the ecology and physiology of Neotropical mammals?*. Frontiers in Ecology and Evolution, 3, 1-8.
18. Galetti M., Guevara R., Neves C. L., Rodarte R. R., Bovendorp, R. S. Moreira M., Hopkins III, J. B., Yeakel J. D. 2015. *Defaunation affects the populations and diets of rodents in Neotropical rainforests*. Biological Conservation, 190, 2-7.
17. Yeakel J. D., Dunne, J. A. 2015. *Modern lessons from ancient food webs*. American Scientist, 103, 188-195.
16. Moore J. W., Beakes M., Nesbitt H. K., Yeakel J. D., Patterson D., Thompson L., Phillis C., Braun D., Favaro C., Scott D., Carr-Harris C., Atlas W. 2015. *Emergent stability in a large free-flowing watershed*. Ecology, 96(2), 340-347.
15. *Yeakel J. D., *Pires, M. M., *Rudolf, L., Dominy, N. J., Koch, P. L., Guimarães, P. R., Jr, & Gross, T. 2015. *Recovering ecological pattern and process in Ancient Egypt*. Proceedings of the National Academy of Sciences. 112(3), E240-E240.
14. Yeakel J. D., Pires, M. M., Rudolf, L., Dominy, N. J., Koch, P. L., Guimarães, P. R., Jr, & Gross, T. 2014. *Collapse of an ecological network in Ancient Egypt*. Proceedings of the National Academy of Sciences. 111(40), 14472-14477.
13. Moore, J. W., Yeakel J. D., Peard, D., Lough, J., & Beere, M. 2014. *Life-history diversity and its importance to population stability and persistence of a migratory fish: steelhead in two large North American watersheds*. Journal of Animal Ecology. 83(5), 1035-1046.
12. Yeakel J. D., Moore, J. W., Guimarães, P. R., Jr, & de Aguiar, M. A. M. 2014. *Synchronization and stability in river metapopulation networks*. Ecology Letters. 17(3), 273-283.
11. Yeakel J. D., & Mangel, M. 2014. *A generalized perturbation approach for exploring stock recruitment relationships*. Theoretical Ecology. 8(1), 1-13.
10. Yeakel J. D., Dominy, N. J., Koch, P. L., & Mangel, M. 2014. *Functional morphology, stable isotopes, and human evolution: a model of consilience*. Evolution 68, 190-203.
9. Yeakel J. D., Guimarães, P. R., Jr, Bocherens, H., & Koch, P. L. 2013. *The impact of climate change on the structure of Pleistocene food webs across the mammoth steppe*. Proceedings of the Royal Society of London Series B-Biological Sciences 280(1762), 20130239-20130239.
8. Yeakel J. D., Guimarães, P. R., Jr, Novak, M., Fox-Dobbs, K., & Koch, P. L. 2012. *Probabilistic patterns of interaction: the effects of link-strength variability on food web structure*. Journal of the Royal Society Interface 9(77), 3219-3228.
7. Moritz, G. L., Fourie, N., Yeakel J. D., Phillips-Conroy, J. E., Jolly, C. J., Koch, P. L., & Dominy, N. J. 2012. *Baboons, water, and the ecology of oxygen stable isotopes in an arid hybrid zone*. Physiological and Biochemical Zoology 85(5), 421-430.

6. Newsome, S. D., **Yeakel J. D.**, Wheatley, P. V., & Tinker, M. T. 2012. *Tools for quantifying isotopic niche space and dietary variation at the individual and population level*. *Journal of Mammalogy* 93(2), 329–341.
5. **Yeakel J. D.**, Novak, M., Guimarães, P. R., Jr, Dominy, N. J., Koch, P. L., Ward, E. J., et al. 2011. *Merging resource availability with isotope mixing models: the role of neutral interaction assumptions*. *PLoS ONE* 6(7), e22015.
4. **Yeakel J. D.**, Stiefs, D., Novak, M., & Gross, T. 2011. *Generalized modeling of ecological population dynamics*. *Theoretical Ecology* 4(2), 179–194.
3. **Yeakel J. D.**, Patterson, B. D., Fox-Dobbs, K., Okumura, M., Cerling, T., Moore, J., et al. 2009. *Cooperation and individuality among man-eating lions*. *Proceedings of the National Academy of Sciences of the USA* 106, 19040–19043.
2. Dominy, N. J., Vogel, E. R., **Yeakel J. D.**, Constantino, P. J., & Lucas, P. W. 2008. *Mechanical properties of plant underground storage organs and implications for dietary models of early hominins*. *Evolutionary Biology* 35(3), 159–175.
1. **Yeakel J. D.**, Bennett, N. C., Koch, P. L., & Dominy, N. J. 2007. *The isotopic ecology of African mole rats informs hypotheses on the evolution of human diet*. *Proceedings of the Royal Society of London Series B-Biological Sciences* 274(1619), 1723–1730.

INVITED SEMINARS

- University of Maine (School of Biology and Ecology). *The dynamics of starvation & recovery provide insight into Cope’s Rule and the evolution of grazing*. October, 2019.
- University of California, Santa Cruz (EEB). *The dynamics of starvation & recovery provide insight into Cope’s Rule and the evolution of grazing*. April, 2019.
- Fresno State University. *Collapse of an ecological network in Ancient Egypt*. March, 2019.
- University of California, Riverside. *The dynamics of starvation & recovery: Insights into extinction risk, Cope’s rule, and life history trade-offs*. January, 2019.
- University of California, Berkeley. *The dynamics of starvation & recovery: Insights into extinction risk, Cope’s rule, and life history trade-offs*. December, 2018.
- University of California, Santa Cruz (Applied Math). *The extinction and assembly of ecological networks*. November, 2018.
- University of Portland. *It’s alive! Competition, extinction, and the ecology of reanimation*. October, 2018.
- Intelligent Adaptive Systems, University of California Merced. *Extinction, assembly, and engineering in ecological networks*. December, 2017.
- University of Nebraska, Lincoln. *Extinction, Cope’s rule, and the dynamics of starvation and recovery*. March, 2017.
- University of Alaska, Fairbanks. *Extinction, assembly, and engineering in ecological networks*. February, 2017.
- Santa Fe Institute Complex Systems Summer School. *Ecological networks*. July, 2016.
- University of California Merced EnviroLunch. *Modern Lessons from Ancient Food Webs*. March, 2016.
- University of New Mexico. *Exploring the isotopic niche*. September, 2015.
- Santa Fe Institute Complex Systems Summer School. *Modern lessons from ancient food webs*. July, 2015.
- Santa Fe Institute, Santa Fe, New Mexico. *State-dependent interactions in food webs* December 2014.
- University of Göttingen, Göttingen, Germany. *Collapse of an Ancient Egyptian food web* September 2014.

- University of California, Merced. *Ecological networks over time and space: from species interactions to community dynamics*. March 2014.
- University of New Mexico. *Ecological networks over time and space: from species interactions to community dynamics*. February 2014.
- Santa Fe Institute. *The emergence and evolution of food webs over space and time*. January 2014.
- Oregon State University. *Collapse of an ecological network: reconstructing the decline of an Ancient Egyptian food web*. January 2014.
- University of Wyoming. *Synchronization, stability, and flow in structured metapopulations*. December 2013.
- University of Chicago. *Collapse of an Ancient Egyptian food web*. December 2013.
- Washington State University, Pullman. *Ecological networks over time and space: from species interaction to community dynamics*. June, 2013.
- University of California, Santa Cruz. *Estimating the degree of compensation from short-term fluctuations in fish biomass*. November, 2012.
- University of Wyoming. *Unraveling an ecological network: Reconstructing the decline of ancient Egyptian food webs*. September, 2012.
- Simon Fraser University. *The structure of Mammoth-Steppe food-webs: ecological coherence and the dietary habits of Neanderthals*. November, 2011.

WORKSHOPS –
ORGANIZER

- Coupled grassland and mammalian community dynamics over ecological and evolutionary timescales II. Justin Yeakel & Nathaniel Dominy (Organizers). Dartmouth College, May 2016.
- Complex Life Investment Strategies. Justin Yeakel & Eric Libby (Organizers). Santa Fe Institute, October 2015.
- Coupled grassland and mammalian community dynamics over ecological and evolutionary timescales I. Justin Yeakel & Nathaniel Dominy (Organizers). Santa Fe Institute, September 2015.

WORKSHOPS &
INTERNSHIPS –
PARTICIPANT

- International Center for Theoretical Physics (ICTP), Trieste, Italy. Invited to lecture during the 2-week program: *Quantitative Approaches in Ecosystem Ecology*. December 2020. (online-only due to COVID-19 restrictions)
- NSF-funded Workshop to Advance Ecological Theory. Katriona Shea, Alan Hastings, & Saran Twombly (Organizers). Pennsylvania State University, October 2019.
- NIMBioS: Spatiotemporal variation and dynamics in ecological networks I,II,III,IV. Knoxville, TN, June 2015, December 2015, November 2016, February 2019.
- Next-generation ecological network theory and application. Phillip P.A. Staniczenko, Fernanda S. Valdovinos, & Jennifer A. Dunne (Organizers). Santa Fe Institute, November 2018.
- Predicting the response of host-associated microbiomes to disturbance. Jessica Green & Ashkaan Fahimipour (Organizers). Santa Fe Institute, August 2016.
- Gradient-Based Ecological Network Research II. Jennifer Dunne (Organizer). Santa Fe Institute, March 2015.
- Dynamics On and Of Networks. Jennifer Dunne & Cris Moore (Organizers). Santa Fe Institute, December 2014.
- Networks on Networks workshop. Thilo Gross, Barbara Drossel and Ulrich Bröse (Organizers). Max Planck Institute for the Physics of Complex Systems (MPIPKS), Dresden Germany, September 2014.
- Les Ecologists Seminar Series, Simon Fraser University (Organizer). 2013-2014.

- ESPCA Sao Paulo School on Ecological Networks, Sao Paulo, Brazil, September 16-23 2011
- Max Planck Institute for the Physics of Complex Systems (MPIPKS), Dresden Germany
Host: Dr. Thilo Gross and the Dynamics of Biological Networks lab, August 2010.

CONFERENCE
PRESENTATIONS

- Geological Society of America Annual Meeting. October 2018.
- Ecological Society of America Annual Meeting. August 2018.
- QSB Symposium; University of California, Merced. October 2016.
- IDEAS Symposium; Simon Fraser University. January 2014.
- Ecological Society of America Annual Meeting. August 2013.
- IDEAS Symposium; Simon Fraser University. December 2012.
- Ecological Society of America Annual Meeting. August 2012.
- Ecological Society of America Annual Meeting. August 2011.
- American Fisheries Society. September 2011.
- 2010 Species Interaction Workshop; Santa Cruz, CA. December 2010.
- UCSC Graduate Research Symposium. May 2006, 2007, 2008, 2009, 2010, 2011.
- 2009 Species Interaction Workshop; Stanford CA. December 2009.
- Carnivore Conference; Defenders of Wildlife. November 2009.
- Ecological Society of America Annual Meeting. August 2009.
- 26th Annual Physiological Ecology Meeting. June 2008.
- American Association of Physical Anthropologists. April 2008.
- Society of Integrative and Comparative Biology. Jan. 2008.
- Society of Vertebrate Paleontology. Oct. 2007.
- American Association of Physical Anthropologists. March 2007.
- UCSC Plant Sciences Symposium. Feb. 2007, 2009.
- Applications of Stable Isotope Techniques to Ecological Studies. August 2006.
- Society of Vertebrate Paleontology. Oct. 2005.

TEACHING –
MENTORSHIP:
PRIMARY ADVISOR

- Postdoctoral Fellow Uttam Bhat 2017-2019
Currently Postdoctoral Fellow at NOAA, Santa Cruz CA
- James S. McDonnell Complex Systems Postdoctoral Fellow Jean Philippe Gibert 2016-2019
Currently Assist. Prof., Duke University, NC
- Postdoctoral Fellow Jack Hopkins III 2016
Currently Assist. Prof., Unity College, ME
- Ph.D. student Irina Birskis Barros (Quant. Sys. Biol.) 2018-present
- Ph.D. candidate Taran Rallings (Quant. Sys. Biol.) 2016-present
- Ph.D. candidate Megha Suswaram (Quant. Sys. Biol.) 2019-present
- Ph.D. candidate Ritwika VPS (Physics; co-advised) 2016-present

TEACHING – MENTORSHIP: COMMITTEE MEMBER	• Luke Fannin; Ph.D. in Ecol., Evol., Environ., & Soc., Dartmouth College	2020-present
	• Ronald Hall; Ph.D. in Quant. Sys. Biol., UC Merced	2020-present
	• Amin Boroomand; Ph.D. in Cog. Sci., UC Merced	2019-present
	• Jonathan Anzules; Ph.D. in Quant. Sys. Biol., UC Merced	2018-present
	• Jesse Wilson; Ph.D. in Environ. Sys., UC Merced	2017
	• Natalie Graham; Ph.D. in Environ. Sci., Policy, & Manag., UC Berkeley	2016-2017
	• Nathaniel Fox; Ph.D. in Environ. Sys., UC Merced	2016-present
	• Jon Nye; Ph.D. in Environ. Sys., UC Merced	2016

TEACHING – COURSES	Professor UC Merced (2016-) and Lecturer UC Santa Cruz (2010-2012)	
	• Introduction to Biology (Lower Division UG; Service)	S2019, S2020
	• Ecological Dynamics (Graduate)	F2017, F2019
	• Fundamentals of Ecology (Upper Division UG)	S2017, F2018
	• Natural History of Dinosaurs (General Education UG)	W2010, S2012, S2016, S2018

Teaching Assistant UC Santa Cruz (2005-2012)

Conservation Biology, Dept. Environmental Sciences (2011); Behavioral Ecology, Dept. Ecology and Evol. Biology (2010); Ecology, Dept. Ecology and Evol. Biology (2010, 2011); Introduction to Biology, Dept. Ecology and Evol. Biology (2009); Human Functional Anatomy, Dept. Anthropology (2007); Human Ecology, Dept. Anthropology (2006); Natural History of Dinosaurs, Dept. Earth and Planetary Sciences (2006); Ecology and Evolution, Dept. Ecology and Evol. Biology (2005); Animal and Plant Physiology, Dept. Ecology and Evol. Biology (2005)

TEACHING – EDUCATION	• LongAcre Expeditions (Trip Leader)	2003-2004
	• Kent State University Adventure Center (Trip Leader)	2001-2004
	• National Outdoor Leadership School; Palmer, Alaska (Graduate)	2001

SERVICE – UNIVERSITY	• Life Sciences Curriculum Committee	2020-
	• Stable isotope lab manager search committee	2019
	• Introduction to Biology service course (2x)	2019-2020
	• Presidential Postdoctoral Fellow search committee chair	2019
	• Natural Sciences Executive Committee	2018-2019
	• QSB Admissions Committee	2018
	• QSB Ad-Hoc EEB concentration committee chair	2018
	• Committee on Research Computing member	2017-
	• Developed Ecological Dynamics Graduate course	2017
	• Developed Natural History of Dinosaurs GE course	2016

SERVICE –
REFEREED
JOURNALS

Science, Nature Communications, Ecology Letters, Proceedings of the National Academy of Sciences, Proceedings of the Royal Society B: Biological Sciences, Biogeochemistry, Journal of the Royal Society Interface, Functional Ecology, Ecological Applications, Ecosphere, PeerJ, Paleobiology, Science Advances, Environmental Modelling & Software, Nature Scientific Reports, Journal of Human Evolution, Plos Computational Biology, Fisheries Research, Theoretical Ecology, Ecology and Evolution, Biological Conservation, IMA Journal of Applied Mathematics, Current Anthropology, Methods in Ecology and Evolution, Quaternary Science Reviews, Ecography, Oecologia, Oikos, Canadian Journal of Zoology, Geochimica et Cosmochimica Acta, PloS One, Journal of Archaeological Science

SERVICE –
REFEREED GRANT
AGENCIES

National Science Foundation-DEB (2016,2018,2019), Irish Research Council (2018), European Research Council (2014)

PRESS

Print

Santa Fe Institute (2019) “‘Like a video game with health points,’ energy budgets explain evolutionary body size”; BBC (2018) “Size matters when it comes to extinction risk”; Vice News (2018) “New Model Predicts the ‘Ideal’ Mammal Is 2.5 Times Bigger Than an Elephant”; California Academy of Sciences Science News (2016) “Frankenstein and Extinction”; Christian Science Monitor (2016) “A female Frankenstein would lead to humanity’s extinction, say scientists”; National Geographic (July, 2015); Science NOW (2014) “Clues to animal extinctions found on the walls of Egyptian tombs”; Smithsonian (2014) “Egypt’s mammal extinctions tracked through 6000 years of art”; NBC News (2014) “Ancient Egyptian art opens window on mammal extinctions”; Popular Archeology (2014) “Study shows how ecology transformed through 6000 years of Egyptian history”; Nature News (2013) “Ancient art fills in Egypt’s ecological history”; Nature News (2009) “Lions’ taste for human flesh dissected”; Science News: (2009) “A body count for two man-eating lions”; (2014) “Clues to animal extinctions found on the walls of Egyptian tombs”; (2009) “A body count for two man-eating lions”; Discovery News (2009); Chicago Sun Times (2009); Chicago Tribune (2009); Science Daily (2009); Telegraph (UK; 2009); San Francisco Chronicle (2007) “UC student roots out clues to pre-human species’ diet”; Nature News (2007) “Human ancestors went underground for dinner”; Archaeology Magazine (2007); Christian Science Monitor (2007)

Radio

National Public Radio: All Things Considered (2009); CBC Radio: As It Happens (2009); Santa Cruz KZSC (2009)

PUBLIC OUTREACH

- Keynote speaker for the Beckman Humor Project at the University of Portland, discussing scientific concepts with humor (October, 2018). *It’s alive! Competition, extinction, and the ecology of reanimation* (see assoc. pub. #23).
- Cover feature for *American Scientist* reviewing food web paleoecology (see pub. #17)
- Co-founder of the podcast *Science... Sort of. Science... Sort of* is a podcast that discusses “things that are science, things that are sort of science, and things that wish they were science”. The podcast is designed to introduce and discuss science-based topics in a way that is accessible to both scientists and non-scientists, and has a weekly audience of ca. 2000-5000 listeners.