CANDICE M. STEFANIC

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Education

2017–(expected May 2022)	**Stony Brook University** Ph.D. Anatomical Sciences, Primary Advisor: Dr. Alan Turner
2015–2017	**Virginia Tech** M.S. Geosciences, Primary Advisor: Dr. Sterling Nesbitt
2011–2015	**Washington and Lee University** B.S. Geology with Honors, Primary Advisors: Dr. Lisa Greer, Dr. Jill Leonard-Pingel

Research Grants

2017	Welles Fund (University of California Berkeley)
2016	Free-Use Fund at the Research Triangle Nanotechnology Network (RTTN, NSF award ECCS-1542015)
2016	Aubrey and Eula Orange Research Scholarship (Virginia Tech)
2015	GRDP Research Grant (Virginia Tech)
2015	Welles Fund (University of California Berkeley)
2012, 2013	Robert E. Lee Summer Scholars Research Grant (Washington & Lee)
2012, 2013, 2014	Kozak, McGuire, Spencer, Schwab Award (Washington & Lee)
2012	R. Preston Hawkins IV Geology Award (Washington & Lee)

Awards

2019	Winifred Goldring Award (Association for Women Geoscientists) Runner-up
2017	Piper Merit Award (Stony Brook)
2016	Outstanding Research Presentation, Geosciences Student Research Symposium (Virginia Tech)
2012	Geology Departmental Award (Washington & Lee)

Publications

Stefanic, C.M., Nestler, J., Turner, A.H., (in review) New Crocodylomorph Material from the Fayum Depression, Egypt, Including the First Occurrence of a Sebecosuchian in African Late Eocene Deposits, Journal of Vertebrate Paleontology.

Stefanic, C.M., Nesbitt, S.J., (in press) The Evolution and Role of the Hyposphene-hypantrum Articulation in Archosauria: Phylogeny, Size and/or Mechanics? Royal Society Open Science.

Stefanic, C.M., Nesbitt, S.J., (2018) The axial skeleton of *Poposaurus langstoni* (Pseudosuchia: Poposauroidea) and its implications for accessory intervertebral articulation evolution in pseudosuchian archosaurs. PeerJ. 6:e4235; DOI 10.7717/peerj.4235.

Griffin, C.T., **Stefanic, C.M.**, Parker, W.G., Hungerbühler, A., Stocker, M.S., (2017) Sacral anatomy of the phytosaur *Smilosuchus adamanensis*, with implications for pelvic girdle evolution among Archosauriformes, Journal of Anatomy. doi:10.1111/joa.12681.

Griffin, C.T., Nesbitt, S.J., Stocker, M.R., **Stefanic, C.M.**, Colleary, C., Koehler, K., Riegler, M., Formoso, K., (in prep) Reptile growth, Biological Reviews.

Conference Presentations

Stefanic, C.M., Nesbitt, S.J., (2018) The presence of intervertebral structures track bodysize in Archosauria not phylogeny and the loss of the structures in living members of the clade. Society of Vertebrate Paleontology 78th Annual Meeting (SVP), 17-20 Oct. Poster Presentation.

Stefanic, C.M. (2017) Form and Function in the Fossil Record: The Evolution of Vertebral Morphology in Living and Extinct Archosaurs. 22nd Annual Geosciences Student Research Symposium (GSRS), 23-24 Feb. Platform Presentation.

Stefanic, C.M., Nesbitt, S.J., (2016) The Evolution of Archosaurian Body Size: An Analysis of the Intervertebral Articulations of Stem Crocodylians from the Triassic. Society of Vertebrate Paleontology 76th Annual Meeting (SVP), 26-29 Oct. Poster Presentation.

Stefanic, C.M., Nesbitt, S.J., (2016) Implications of Additional Intervertebral Articulations for the Evolution of Large Body Size in Archosaurs. 9th Annual Meeting of the Southeastern Association of Vertebrate Paleontology (SeAVP), 15-17 May. Poster Presentation.

Stefanic, C.M., Nesbitt, S.J., (2016) The Evolution of Archosaurian Locomotion and Body Size: An Analysis of the Vertebrae of a Relative of Crocodylians from the Triassic (~230 Ma). 21st Annual Geosciences Student Research Symposium (GSRS), 26-27 Feb. Platform Presentation.

Stefanic, C.M., Leonard-Pingel, J., (2014) Did Caribbean Gastropod Assemblages Functionality Shift as a Response to Ecological Change in the Late Neogene? (p. 434) 2014 GSA Annual Meeting in Vancouver, British Columbia, 19-22 Oct. Platform Presentation.

Stefanic, C.M., Greer, L., Stier, A., Elium, E.M., Irwin, A.E., Norvell, D., Benson, W.M., Curran, H.A., (2013) Is Coral Gardens, Belize a Refugium for the coral *Acropora cervicornis*? (p. 211) 2013 GSA Annual Meeting in Denver: 125th Anniversary of GSA, 27-30 Oct. Platform Presentation.

Elium, E.M., Greer, L., **Stefanic, C.M.**, Stier, A., Irwin, A.E., Curran, H.A., (2013) Spatial Variation and the Survivability of an *Acropora cervicornis* Patch Reef in Belize. (p. 539) 2013 GSA Annual Meeting in Denver: 125th Anniversary of GSA, 27-30 Oct. Poster Presentation.

Stier, A., Greer, L., Humston, R., Elium, E.M., **Stefanic, C.M.**, Curran, H.A., (2013) How Does Parrotfish and Urchin Bioerosion Impact Live Staghorn Coral Cover on a Patch Reef in Belize? (p. 539) 2013 GSA Annual Meeting in Denver: 125th Anniversary of GSA, 27-30 Oct. Poster Presentation.

Stefanic, C.M., Greer, L., Norvell, D., Benson, W.M., Curran, H.A., (2012) Is *Echinometra viridis* facilitating a phase shift on an *Acropora cervicornis* patch reef in Belize? Abstract B31A-0408 presented at AGU 2012 Fall Meeting, San Francisco, Calif., 3-7 Dec. Poster Presentation.

Field Experience

Ghost Ranch, New Mexico

Summer 2017 (2 weeks) – excavation of Triassic age reptiles in the Chinle Formation with Stony Brook University paleontologists and researchers from other institutions

Petrified Forest National Park, Arizona

Summer 2016 (11 weeks) – paleontology internship, prospecting and excavation of Triassic age reptiles on newly acquired expansion lands of Petrified Forest NP

Ghost Ranch, New Mexico

Summer 2015 (2 weeks) – excavation of Triassic age reptiles in the Chinle Formation with the Virginia Tech paleontology lab and researchers from various other institutions

New Zealand

Spring 2014 (4 weeks, "Spring Term") – regional geology field-based class driving across the country with 2 professors and 13 other students from Washington & Lee

Ambergris Cay, Belize

Summer 2012, Summer 2013 (8 days each year) – analysis of the health of an endangered coral species with my research advisor and 2-3 other students from Washington & Lee

Spring 2012 (10 days, "Spring Term") – field trip centered class about coral reef biology and conservation with 14 other students from Washington & Lee

Teaching

2018 (Fall)	Teaching Assistant (Stony Brook) The Body (Medical Human Gross Anatomy), HBA 560, 130 students, Course Director: Dr. Susan Larson
2017 (Spring)	Graduate Teaching Assistant (Virginia Tech) Paleontology, GEOS 3604, 30 students, Professor: Dr. Shuhai Xiao
2016 (Fall)	Graduate Teaching Assistant (Virginia Tech) Physical Geology, GEOS 1104, 15 students, Professor: Dr. John Chermak
2016 (Spring)	Invited Alumni Teaching Assistant (Washington & Lee) Dinosaurs ("Spring Term"), 13 students, Professor: Dr. Jill Leonard-Pingel Month long course with a visit to the Virginia Tech Paleobiology lab, and an overnight visit to Washington, DC: George Washington University lab, and Smithsonian collections and exhibits
2016 (Spring)	Graduate Teaching Assistant (Virginia Tech) Earth & Life Through Time, GEOS 1014, 11 students, Professor: Dr. Sterling Nesbitt

Outreach

2018–present	Senator for the Graduate Student Organization (GSO) at Stony Brook University Act as liaison between GSO and students in my department, attend GSO meetings
2018–present	Evolutionary Biology Discussion Group Coordinator Choose and disseminate papers for weekly interdepartmental discussion group

2017	Kindergarten to College aka. "K2C" (Virginia Tech, April 7) Helped organize and give a paleobiology lab tour to elementary school students
2016	Museum and Department of Geosciences "GeoFair" (Virginia Tech, October 15) Showed and explained fossils, casts, and current research at a public event
2016	PEFO Field Institute "Day Dig" (Petrified Forest National Park, AZ, August 6) Invited the public to dig in a quarry on the expansion land of the Petrified Forest with the park's paleontology crew
2016	"Dino Day" Event (Petrified Forest National Park, AZ, June 6) Invited the public to the Petrified Forest community room for hands-on paleontology, educational videos, and science talks
2016	"Movies in the Market" Event (Downtown Roanoke, VA, May 13) Showed and explained fossils and casts to the public at an outdoor showing of Pixar's "The Good Dinosaur"
2016–2017	Museum of Geosciences part-time staff and K-12 tour leader (Virginia Tech)
2015–2017	Women in Geosciences Mentorship Program (Virginia Tech) Mentor to undergraduate student; offer advice on applying to graduate school, etc.
2015	"Tech or Treat: Creatures from the Cube" (Virginia Tech, October 29) Showed and explained various extant skeletons and fossil material of archosaurs
2015	Virginia Science Festival (Virginia Tech, September 26) Showed and explained fossils from summer fieldwork to the public
2015	Fossil Unwrapping Event (Virginia Tech, August 26) Invited the public to assist in unpacking fossils from summer excavations
2014–2015	Geology chair, Women in Technology and Science (Washington & Lee) Monthly labs with girls from Rockbridge County elementary and middle schools

Prep Lab and Museum Experience

2016–2017	Museum of Geosciences (Virginia Tech) Redesign and construction of "Fossils of Virginia", "Tree of Life", and "Paleobiology Lab Research Topics" exhibits
2016	Petrified Forest National Park (National Park Service) Prepped fossils found during excavation using air scribe and microscope Molded and casted loan material from Univ. of Cal. Museum of Paleo.
2015–2017	Paleobiology Prep Lab (Virginia Tech) Prepped fossils from Tanzania, New Mexico, and Wyoming
2010–2011	Academy of Natural Sciences of Philadelphia (Drexel University) Volunteer in the museum's prep lab working on preparing fossils of the titanosaur *Dreadnoughtous scranii* for study, and lead school and camp groups in the "Dino Dig" experience

Society Memberships

The Society for the Study of Evolution
2019-present
The Society of Vertebrate Paleontology
2015–present
The Geological Society of America
2013–present

Computational Skills
R (statistical computing, geometric morphometrics), tpsUtil and tspDig (geometric morphometrics), Landmark Editor (geometric morphometrics), MorphoJ (geometric morphometrics), Avizo (CT scan segmentation software), ArTec (3D spider surface scanning: handheld scanner and shape file creation software), Mesquite (phylogenetics), PAUP (phylogenetics), FigTree (phylogenetics), MrBayes (phylogenetics), ArcGIS, Python, Microsoft Office (Word, Excel, PowerPoint), Adobe Suite (Illustrator, Photoshop)

Additional Relevant Skills
Lab Prep Skills (i.e. air scribe, pin vice, etc.), Fieldwork Skills (i.e. excavating, plaster jacketing, prospecting, etc.), Molding and Casting