

KELLY E. CRONIN
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Curriculum Vitae

EDUCATION

2020 Ph.D. • Geology • University of Georgia
2015 M.S. • Geoscience • University of North Carolina Wilmington
2008 B.A. • Biological Sciences • Cornell University

EMPLOYMENT

2021-Present Visiting Instructor • Georgia Southern University
2019–2020 Research Assistant • University of Georgia
2015–2019 Teaching Assistant • University of Georgia
2014–2015 Writing Tutor • University of North Carolina Wilmington
2014–2015 Teaching Assistant • University of North Carolina Wilmington

COURSES TAUGHT

Georgia Southern University:

2021–2022 Introduction to the Earth
2021–2022 Environmental Geology

University of Georgia:

Instructor of Record

2019 Historical Geology
2017–2018 Earth Process and Environments (Introduction to Geology)

Laboratory Teaching Assistant

2015–2018 Life and Ecology of the Past (Paleontology)
2016–2018 2016–2018 Historical Geology

Lecture Assistant

2015–2016 Sea Monsters of the Mesozoic, Flying Dragons of the Mesozoic

PROFESSIONAL DEVELOPMENT

- 2021–2022 Georgia Southern Center for Teaching Excellence Professional Development Workshops
- 2020 Teaching Inclusively with Evidence-Based Strategies, AAAS Annual Meeting
- 2019–2020 Future Faculty Fellows Program at the University of Georgia
- 2019 Special Topics in Teaching: Mentoring

MENTORING

- 2018-2021 Co-research mentor for an undergraduate from Union College
2 student first-author conference abstracts
Oversaw student sampling protocols for trace elements on LA-ICP-MS
Oversaw C/O isotope sampling and data analysis for Antarctic scallop
Examined variation and grouping of subannual growth increments in Antarctic scallop
- 2019 Research mentor for a University of Georgia undergraduate
Explored variation in subannual growth increments in scallops through primary literature
Compared variation in subannual growth increments using scallop species along a latitudinal gradient

SERVICE

- 2021 (National) Co-Chair “Paleoecology and the Environmental Change” session at 2021 GSA annual meeting
- 2021 (Departmental) Committee member revising department Environmental Geology Laboratory Manual
- 2021 (Institutional) Taught a “Conversations with Professors” section at Georgia Southern University to introduce first-year students to introduce College of Sciences and Math students to new challenges (time management, growth mindset, study skills) and opportunities (optional, not counted as part of courseload)
- 2020 (Institutional) Organized and ran a workshop on “Meme-ingful Student Engagement” for UGA’s Spring Teaching Symposium

- 2019-2021 (National) Manuscript review for PLoS One and others
- 2019 (National) Co-convened a symposium at the North American Paleontological Convention: Climate and Environmental Change in High-Latitude Fossil and Modern Ecosystems
- 2019–2020 (National) Moore Medal Selection Committee for SEPM
- 2017–2019 (Departmental) Graduate student representative to Geology Department faculty meetings
- Attended faculty meetings and disseminated relevant information to graduate students*
- Coordinated graduate student input for two faculty hires*

HONORS AND AWARDS

- 2019–2020 Future Faculty Fellows Program Participant, University of Georgia
- One of 15 graduate students selected based on exceptional teaching passion, dedication, and innovation*
- We created resources for other teaching assistants and participated in professional development activities that emphasized skills needed for academic positions*
- 2019 Outstanding Teaching Award, University of Georgia
- Awarded to the top 10% of Teaching Assistants at UGA*
- Graduate Student of the Year, Department of Geology, University of Georgia
- 2014 Zullo Award for Excellence in Research, Geology Department, University of North Carolina Wilmington

GRANTS

- 2015–2018 Watts-Wheeler Scholarship, Department of Geology, University of Georgia
- 2016, 2018 Levy Memorial Grant, Department of Geology, University of Georgia
- 2017 Sigma Xi Grant-in-Aid of Research
- 2016 Ellis L. Yochelson Award, Paleontological Society Student Research Grant
- 2016 Geological Society of America Student Research Grant

2014 N. Gary Lane Award, Paleontological Society Student Research Grant

2014 Geological Society of America Student Research Grant

OUTREACH

Ongoing Featured in Daring to Dig, a Paleontological Research Institution project highlighting women in paleontology:

<http://www.daringtodig.com/current-paleontologists>

2019 Guest paleontologist (3rd grade) for Gaines School Science Day
Created a program to satisfy 3rd grade science standards regarding fossils

Ran the program for ~ 100 3rd graders

Geology expert in exploratory project to design a natural history/kaolin museum for Sandersville, Georgia

Weekend-long charette (intensive design meeting) during which we met with stakeholders, toured mines and potential museum sites, and developed concepts and preliminary layouts and designs for a natural history museum

The stakeholders chose my team's site design as the most likely candidate for their future museum

2018 Programs for Sandy Creek Nature Center Summer Camp

Created and taught 2 programs for ~ 100 3rd – 5th graders about the rock cycle and the paleoecology of shark teeth

RESEARCH INTERESTS

Bivalve sclerochronology, polar ecology and biology, paleoecology, conservation paleobiology, taphonomy, invertebrate paleontology

NON-UNIVERSITY EMPLOYMENT

2012–2013 Climate and Energy Programs Manager • Paleontological Research Institution

2009–2012 Education Associate • Paleontological Research Institution

2008–2009 Assistant to the Director • Paleontological Research Institution

PEER-REVIEWED PUBLICATIONS

Cronin, K., Walker, S., & Bowser, S. 2021. Striae in the Antarctic scallop *Adamussium colbecki* provide environmental insights but not reliable age increments. *Polar Biology*. <https://doi-org.proxy-remote.galib.uga.edu/10.1007/s00300-021-02830-7>

Cronin, K. E., Walker, S. E., Mann, R., Chute, A. S., Long, M. C. & Bowser, S. S. 2020. Growth and longevity of an ecosystem engineer, the Antarctic scallop *Adamussium colbecki* under annual and multi-annual sea ice. *Antarctic Science*, 1-10. doi:10.1017/S0954102020000322

Cronin, K. E., Dietl, G. P., Kelley, P. H., & Edie, S. M. 2018. Life span bias explains live–dead discordance in abundance of two common bivalves. *Paleobiology*, 44(4), 783–797.

SELECTED CONFERENCE PRESENTATIONS

Cronin, K. E., Gillikin, D. P., Walker, S. E., Camarra, Stephen, Puhalski, Emma & Bowser, S. S. 2020. Oxygen and carbon isotopes in *Adamussium colbecki* $\delta^{13}\text{C}$ proxy for sea-ice persistence? GSA Connects Online

Cronin, K. E., Walker, S. E., Gillikin, D. P. & Bowser, S. S. 2020. Trace elements in the Antarctic scallop *Adamussium colbecki* as sea-ice proxies. American Association for the Advancement of Science (AAAS) Abstracts.

Cronin, K. E., Walker, S. E., Gillikin, D. P. & Bowser, S. S. 2019. The Antarctic scallop *Adamussium colbecki* as a proxy for sea-ice duration in Antarctica. GSA Annual Meeting in Phoenix, Arizona, USA

Cronin, K. E., Walker, S. E., Gillikin, D. P. & Bowser, S. S. 2019. Trace elements and interstitial distances as environmental and anthropogenic proxies in the Antarctic scallop, *Adamussium colbecki*. North American Paleontological Society Meeting in Riverside, California, USA.

Cronin, K. E., Walker, S. E. & Bowser, S. S. 2018. High variability of subannual growth bands in the Antarctic scallop, *Adamussium colbecki*. GSA Annual Meeting in Indianapolis, Indiana, USA.

Cronin, K. E., Walker, S. E. & Bowser, S. S. 2016. Does sea ice cover affect growth in juvenile stages of the Antarctic scallop, *Adamussium colbecki*? GSA Annual Meeting in Denver, Colorado, USA.

Cronin, K. E., Kelley, P. H., Dietl, G. P., Korpanty, C. A., Visaggi, C. C. & Parnell, B. A. 2014. Comparing quantitative techniques for evaluating live-dead agreement in an intertidal habitat in North Carolina. GSA Annual Meeting in Vancouver, British Columbia, Canada.

Cronin, K. E., Stricker, B., Kissel, R. A., Ross, R. M. & Mundt, C. 2012. Ice, cold, animals: What museum visitors think about glaciers. GSA Annual Meeting in Charlotte, North Carolina, USA

Cronin, K., & Ross, R. M. 2011. Combining citizen science with curriculum and community engagement for climate change education. GSA Annual Meeting in Minneapolis, Minnesota, USA.