

Sarah N. Davis

Curriculum Vitae

Jackson School of Geosciences
The University of Texas at Austin

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EDUCATION

2016 - Present	Ph.D.*	The University of Texas at Austin, Geological Sciences Advisor: Julia Clarke
2016	B.S.	The University of Arizona, Biology <i>with Honors, Cum Laude</i>
2016	B.A.	The University of Arizona, French Language <i>Cum Laude</i>

GRANTS, SCHOLARSHIPS, AND FELLOWSHIPS (total awarded: \$156,230)

2019	Whitney Endowed Presidential Scholarship in Paleontology (\$3,500) Heese Research Award, the American Ornithological Society (\$1,230)
2018	Broquet Charl Memorial Fellowship (\$12,000)
2017	NSF Graduate Research Fellowship (\$102,000 over three years) Lundelius Research Grant (\$1,500)
2012 - 2016	Regents High Honors Endorsement Scholarship (\$36,000 over four years)

HONORS AND AWARDS

2019	Academic Enrichment Award, The University of Texas <i>Award to support invited speakers for our seminar series</i>
2018	Off Campus Research Award, Jackson School of Geosciences Analytical Research Award, Jackson School of Geosciences
2017	Outstanding Teaching Assistant, Jackson School of Geosciences
2016	Excellence in Undergraduate Research, The University of Arizona
2015	Lucretia B Hamilton Emerging Researcher Award, The University of Arizona
2015 - 2016	Dean's List: The University of Arizona College of Science

POSITIONS

2016 - Present	PhD Candidate, The University of Texas at Austin Graduate Dissertation Research
2016 - 2018	Teaching Assistant, The University of Texas at Austin
2014 - 2016	Undergraduate Research Assistant, The University of Arizona REU and Thesis work with Alexander Badyaev
2014	Fossil Preparator and Scientific Illustrator, GeoDÉcor Fossils and Minerals

ARTICLES IN REVIEW

1. **Davis, S.N.**, Torres, C.R., Musser, G.M., Proffitt, J.V., Crouch, N.M.A., and Clarke, J.A. In Review. New mammalian and avian records from the Late Eocene La Meseta Formation of Seymour Island, Antarctica. *PeerJ*.
2. Legendre, L.J., Rubilar-Rogers, D., Musser, G.M., **Davis, S.N.**, Otero, R.A., Vargas, A.O., and Clarke, J.A. In Review. A giant soft-shelled egg from the Late Cretaceous of Antarctica. *Nature*.

PUBLICATIONS

1. George, S.W.M., **Davis, S.N.**, Fernández, R.A., Manríquez, L.M.E., Leppe, M.A., Horton, B.K., Clarke, J.A. 2019. Chronology of deposition and unconformity development across the Cretaceous-Paleogene boundary, Magallanes-Austral Basin, Patagonian Andes. *Journal of South American Earth Sciences*.
2. Higginson, D.M., V. Belloni, **S.N. Davis**, E. S. Morrison, J.E. Andrews, and A.V. Badyaev. 2016. Evolution of long-term coloration trends with biochemically unstable ingredients. *Proceedings of Royal Society, Biological Sciences*. Lond. 283 (1831): 20160403
3. **Davis, S.N.** Origin of novel color phenotypes: Contribution of structural properties of biochemical networks. 2016. *Honors Thesis*, The University of Arizona.

MANUSCRIPTS IN PREPARATION

Davis, S.N., Soto-Acuña, S., Fernández, R.A., Leppe, M., Vargas, A., Clarke, J.A. New Records of Theropoda from a Late Cretaceous fossil site, Magallanes Basin, Patagonia. Target Submission: December 2019.

Davis, S.N., and Clarke, J.A. Trends in carotenoid-consistent coloration across non-passerine birds. Target Submission: January 2020.

PRESENTATIONS

- 2019 *Chronology of deposition, unconformity development, and paleontology across the Cretaceous-Paleogene boundary, Magallanes-Austral Basin, Patagonian Andes.*
Geological Society of America Annual Meeting. Phoenix, Arizona
- 2018 *Trends in carotenoid-consistent coloration across non-passerine birds*
American Ornithological Society Annual Meeting. Tucson, Arizona
- Trends in carotenoid-consistent coloration across non-passerine birds*
Evolution Joint Congress, Montpellier, France (poster)
- 2017 *New fossils from the La Meseta Formation of Seymour Island, Antarctica expand our understanding of middle-late Eocene Antarctica Fauna*
society of Vertebrate Paleontology Annual Meeting. Calgary, Canada (poster)
- 2016 *Evolution of long-term coloration trends with biochemically unstable ingredients*
Jackson School of Geosciences Paleontology Seminar. Austin, Texas
- Origin of novel color phenotypes: Contribution of structural properties of biochemical networks.*
EEB Research Program 27th Annual Conference. Tucson, Arizona (poster)
- 2015 *Do differences in pigment degradation drive the evolution of molt strategies in colorful birds?*
EEB Research Program 26th Annual Conference. Tucson, Arizona (poster)
- 2013 *Evolution of the art of dinosaurs*
Honors Independent Research Conference. Tucson, Arizona (poster)

OUTREACH AND SERVICE

Organization

- 2019 UT Paleontology Brown Bag Series
Arranged for speakers to visit UT Austin, organized speaker schedules and ran the seminar.
- Social Media Coordinator: Clarke Lab
Curated the Clarke Lab's social media posts on Twitter and Instagram to communicate our research to a larger audience
- Reconstructing dinosaurs: teaching paleo art
Taught a class for local Texas STEAM education day
- Dinosaur Park Tour
Led an educational tour of the Dinosaur Park in Bastrop, Texas for a local kindergarten class.
- 2018 Darwin Day Educational Outreach
Organized educational activities and fossil displays for a local event on evolution and natural history
- 2017 Earth Science Career Day
Organized presentations and activities highlighting different career opportunities in the Geosciences for Austin area high school students
- Master's Saturday: Presentation Moderator
Moderated a technical session featuring masters students

Event Participation

- 2019 Texas OnRamps Geology Course: featured geoscientist
High school course highlighting careers in geosciences
- Getting into Graduate School: Discussion Panel
- Godzilla: King of the Monsters Q&A with a Paleontologist
Invited by the Alamo Draft House Cinema to speak to a movie audience about paleoart and show fossils.
- Earth Day: Texas Biodiversity Booth
- 2018 Jurassic World Q&A with a Paleontologist
Invited by the Alamo Draft House Cinema to speak to a movie audience about paleontology and show fossils.
- Earth Day: Texas Biodiversity Booth
- Fossil Fest: Texas Fossils Booth
- 2017 Elementary School Presentation: Texas Dinosaurs
- Fossil Fest: Texas Dinosaurs Booth
- 2016 Fossil Fest: Texas Fossils Booth
- 2013 Drawing Dinosaurs: how we reconstruct the past
Taught a first-grade class about paleoart and paleontology

Students Supervised

- 2017 - 2019 Marco Longoria, undergraduate UT Austin
Humberto Venancio, undergraduate UT Austin
- 2017 - 2018 Tessa Clayton, undergraduate UT Austin
Kate Grobowsky, undergraduate UT Austin
- 2015 - 2016 Adam Welu, undergraduate U of A

TEACHING EXPERIENCE

- 2016-2018 The University of Texas at Austin
Teaching Assistant: Life Through Time
Teaching Assistant: Introduction to Geology
Informal Classes: Dinosaurs (guest lecturer)
- 2015-2016 The University of Arizona
Preceptor: Intro to Paleontology

MEMBERSHIP

American Ornithological Society
The Geological Society of America
Paleontological Society
Society of Vertebrate Paleontology
Society for the Study of Evolution

FIELD WORK

- 2017 - 2019 Chile: Magallanes Basin
Field work focusing on the geology and paleontology of a Late Cretaceous-Early Paleogene site in Patagonia
- 2018 People's Republic of China: Yunnan and Gansu province
Paleontological field work in Oligocene and Miocene sites
- 2015 - 2016 United States: Bisbee, Arizona
Mapping a Cretaceous patch reef (Paul Spur)

TECHNICAL TRAINING

- 2014 French Language Program
Université Paris Diderot: Paris, France
- 2011 Digital Art Program
University of Southern California: Los Angeles, CA