

Education and Training*Degrees*

- Ph.D. University of Nebraska-Lincoln, Earth and Atmospheric Sciences (2018 – current)
GPA 3.97
- M.S. University of Nebraska-Lincoln, Earth and Atmospheric Sciences, spec. in Geology (2016 – 2018)
GPA 3.95
- B.S. Montana State University, Earth Sciences, conc. in Paleontology (2012-2015)
Minor, Montana State University, Museum Studies
GPA 3.6 – Magna Cum Laude

Workshops/Training

- Women in Paleontology Workshop, Annual Meeting of Society of Vertebrate Paleontology (2019)
- Diversity in Paleontology Luncheon, Annual Meeting of Society of Vertebrate Paleontology (2019)
- Write Winning Grant Proposals: John Robertson of Grant Writers' Seminars and Workshops LLC, UNL Office of Research and Economic Development (2017)
- Working with the IACUC: Investigators, Staff and Students, CITI Program, UNL (2016)
- Responsible Conduct of Research: Biomedical Responsibility of Research, CITI Program, UNL (2016)
- IIPP and Emergency Preparedness Training, UNL (2016)
- Situational Awareness Training, UNL (2016)
- Scanning Electron Microscope, Imaging and Chemical Analysis Laboratory, MSU (2015)
- X-Ray Diffraction, Imaging and Chemical Analysis Laboratory, MSU (2015)

Publications*Paper*

1. Hock, D., Secord, R., and Lyons, S.K. Continental scale range contraction in mammals across North American biomes. *In Progress*.
2. Achiam, M., Dodick, J., Tysbulsky, D., Hock, D., and Diamond, J. Assessing Nature of Science in Natural History Museums. *In Progress*.
3. Hock, D. 2018. A taxon-free, multi-proxy model for making paleontological interpretations of Neogene North American mammalian faunas. M.S. Thesis, Department of Earth and Atmospheric Sciences, University of Nebraska-Lincoln, Nebraska, USA.

Abstract

1. Hock, D. and R. Secord. 2019. Comparison of 'Big Data' uses in paleoecological multi-proxy models for North American mammalian paleoecological interpretations. *Journal of Paleontology*, Program and Abstracts 2019.
2. Hock, D. and R. Secord. 2018. A taxon-free, multi-proxy model for Miocene North American paleoecological interpretations. *Journal of Vertebrate Paleontology*, Program and Abstracts 2018, p.146.
3. Hock, D. and R. Secord. 2017. Vertebrate species richness change from the late Miocene to early Pliocene of Lothagam, Turkana Basin, Kenya. Geological Society of American Abstracts with Programs, Vol. 49, no. 6.
4. Hock, D. 2017. Vertebrate species richness change from the late Miocene to early Pliocene of Lothagam, Turkana Basin, Kenya. *Journal of Vertebrate Paleontology*, Program and Abstracts 2017, p. 129.
5. Hock, D. 2015. A comprehensive study of key paleoenvironmental changes using major faunal turnovers focusing in the Turkana Basin, Kenya. *Journal of Vertebrate Paleontology*, Program and Abstracts 2015, p. 144.
6. Hock, D. 2015. A comprehensive study of key paleoenvironmental changes using major faunal turnovers focusing in the Turkana Basin, Kenya. Geological Society of American Abstracts with Programs, Vol. 47, no. 7, p. 286.

Invited Speaker

- Hock, D. "Mammoths, Dinosaurs & Mammoths, Oh My!" Fossil Friday Chats. Raymond M. Alf Museum of Paleontology & Western Science Center.
 - Who knew what started as a topic for a middle school science paper would turn into a career? Join Devra as she discusses where her love for science and paleontology came from and her journey in exploring that passion, from watching documentaries to pursuing her PhD.
- Hock, D. "Fossils, Evolution & Natural History Museums." University of Nebraska State Museum Science Café
 - Common conceptions of evolution and the fossil record and how natural history museums can address them.

Presentations

- Hock, D. and R. Secord. 2019. Comparison of 'Big Data' uses in paleoecological multi-proxy models for North American mammalian paleoecological interpretations. SVP Session XI. Mammalian Paleoecology and Macroevolution.
- Hock D. and R. Secord. 2018. A taxon-free, multi-proxy model for Miocene North American paleoecological interpretations. SVP Session IX. Ungulates and Carnivores.
- Hock, D. and Secord, R. 2017. Vertebrate species richness change from the late Miocene to early Pliocene of Lothagam, Turkana Basin, Kenya. GSA Session T45. Miocene–Pliocene Terrestrial Ecosystem Response to the Climate System II.
- Hock D. 2015. A comprehensive study of key paleoenvironmental changes using major faunal turnovers focusing in the Turkana Basin, Kenya. GSA Session T195. Paleoenvironmental Reconstruction of Hominin Sites: New Methods, New Data, and New Insights I.
- Hock, D., J. Gardner, S. Scott, and H. Flora. 2014. Float 'N' Bloat: The Impact of Fluvial Processes on Transportation of Death Assemblages. Montana State University Geomorphology Poster Symposium.
- Hock, D., C. K. Bingman, and Z. Reid. 2014. A new occurrence of dictyoolithus eggs from the cretaceous Tiantai basin, Zhejiang Province, China. Montana State University Student Research Celebration.
- Hock, D., and C. K. Bingman. 2014. A new occurrence of dictyoolithus eggs from the cretaceous Tiantai basin, Zhejiang Province, China. Montana State University Earth Science Colloquium.

Grants and Awards

- EAS Summer Fellowship, University of Nebraska-Lincoln (2020) \$3400
- Sam Treves Travel Endowment to present at SVP, University of Nebraska Lincoln (2019) \$500
- EAS Summer Fellowship, University of Nebraska-Lincoln (2019) \$3400
- Sam Treves Travel Endowment to present at SVP, University of Nebraska Lincoln (2018) \$500
- GSA North Central Section Student Travel Grant (2017) \$80
- Sam Treves Travel Endowment to present at GSA, University of Nebraska Lincoln (2017) \$95
- Sam Treves Travel Endowment to present at SVP, University of Nebraska Lincoln (2017) \$405
- Hubbard Fellowship, University of Nebraska Lincoln (2016-2017; 2017-2018)
- Undergraduate Scholar Program Travel Grant for SVP, Montana State University (2015) \$500
- Undergraduate Scholar Program Travel Grant for GSA, Montana State University (2015) \$500
- Jackson School Travel Grant for SVP (2015) \$400
- GSA Rocky Mountain Section Student Travel Grant (2015) \$110
- Dean's Honor Roll, Montana State University (Fall 2015, Fall 2014, Spring 2014, Spring 2013, Fall 2012)
- Undergraduate Scholar Program, Montana State University (2014) \$900
- NSF International Research Experience for Students, China, MSU Department of Earth Sciences (2013)
- National Society of Collegiate Scholars at Montana State University (2013- current)

Positions

- Graduate Teaching Assistant, Department of Earth & Atmospheric Sciences, UNL. (2016-2020)
- North-Central Regional Delegate, Association for Women Geoscientists. (2019-2021)
- President, Association for Women Geoscientists Cornhusker Chapter. (2019-2020)
- North-Central Regional Alternate Delegate, Association for Women Geoscientists. (2018-2019)
- Diversity & Inclusion Team Member, Department of Earth & Atmospheric Sciences, UNL. (Spring 2019)
- Student Success Coordinator, Students of Earth & Atmospheric Sciences, UNL. (2018-2019, 2019-2020)
- Alternate Graduate Student Representative, Department of Earth & Atmospheric Sciences, UNL. (2018-2019)
- Organizing Committee Member, Association for Women Geoscientists Cornhusker Chapter. (2017)
- Student Teaching Fellow. Honor's College-Texts & Critics, MSU. (Fall 2015)
- Student Teaching Assistant. Paleontology Lab Techniques, MSU. (Fall 2015)

Experience

- Camp Summergold. Developed and taught 12-hour paleontological hands-on curriculum implementing casts of fossils rented from University of Nebraska State Museum, drawing techniques, and molding and casting for STEAM all-girls camp, ages 11-17. (July 2018)
- UNL Communicating Science Through Outreach. Developed after-school science club at local middle school with collaboration with Boys and Girls Club of Lincoln and the Community Learning Center of Lincoln Public Schools. Built and ran weekly activities all under the theme of "Evolution". (September – December 2017)
- University of Nebraska State Museum Collections. Assigned or re-assigned geologic data to specimen cards from historical field notes. (September 2016 – April 2017)
- Arizona Natural History Museum Collections. Described and catalogued fossil specimens received from Northern Arizona University Quaternary Sciences Program. Fossils digitally catalogued using Proficio/ReDiscovery software. (February – July 2016)
- Museum of the Rockies. Performed independent research to present at MOR Fall Lecture series and SVP. Worked with David Swingle on converting and cataloguing video archives from various tape formats into digital format, technical anthropology. (January 2015 – December 2015)
- Museum of the Rockies Jack Horner Paleontology Lab. Fossil preparation of *Triceratops* brain case. (September 2014 – December 2015)
- Phoenix Country Day School's Project Excellence Summer Session. Assisted teachers in the classroom and supervised students outside of class. Taught one class in subject of paleontology. Ages 4th through 11th grade. (May – July 2014)
- NSF IRES Hangzhou, Zhejiang. Zhejiang Natural History Museum. Researched *Dictyoolithus* eggs from Zhejiang Natural History Museum collections. (May – June 2013)
- MSU Field Crew at Egg Mountain under Dr. David Varricchio. Acted as volunteer for field work and jacket preparation. (June – July 2013; July 2010)
- MSU MSSE Field Class under Dr. Frankie Jackson, Makoshika National Park. Acted as professor's assistant and volunteered for field work. (June 2010)

Outreach

- Morrill Hall, University of Nebraska State Museum Dinosaurs and Disasters. (February 2019; February 2017)
 - Developed new paleontological activity "Paleo Timeline" that examines important paleontological events throughout the history of the field.
 - Developed and maintained a booth "Paleo Games", modifying existing paleontological activities.
- Morrill Hall, University of Nebraska State Museum Fossil Night. (October 2019)
 - Ran paleontological activities with AWG Cornhusker Chapter members. Activities consisted of GoExtinct! board game, fossil dig boxes, and Diversity in Science matching game.

- University of Nebraska-Lincoln Science Connector. Discussed methods and materials for Lincoln teachers to bring paleontology into the classroom. Shared the Paleontology Timeline game to those interested. (August 2019)
- Camp Summergold Applied Science Workshop. Held day-long workshop focusing on three areas of applied science (Music, Recycling and Consumption, Aerial Dance). Led girls through hands on activities that encouraged learning and understanding of the science behind the topics. (June 2019)
- Center for Science, Mathematics and Computer Education Women in Science Conference and Banquet. Discussed EAS department and AWG Cornhusker Chapter with high school female students. Engaged in further discussion with smaller group during banquet about being a female in the STEM fields. (March 2019)
- Morrill Hall, University of Nebraska State Museum Student Ambassador. Attended public outreach events as ambassadors for the museum, supervised children activities, lead drop-in tours of museum exhibits. (September 2017 – April 2018)
 - YMCA After School Program – Elliot Elementary School, Lincoln, NE: Talked to students about paleontology, passed around samples from the teaching collection and supervised dig boxes.
 - Kids World Lincoln – Speedway Village, Lincoln, NE: Represented Morrill Hall at booth at indoor kids all-day event, supervised “Mammoth Masks” activity, promoted Morrill Hall birthday events and a raffle for a free family admission pass.
 - Fossil Night – Morrill Hall, Lincoln, NE: Helped run fossil diatom activity, explaining how paleontologists use micro-fossils to determine environment and climatic changes over time.
 - Nature Night – Eastridge Elementary School; Sheridan Elementary School, Lincoln, NE: Represented University of Nebraska State Museum at nature/science event at local elementary schools, supervised the Fossil Dig Boxes, assisted with the Dung Beetle Activity, and informed parents of museum memberships and upcoming events.
 - Highlights Tour – Morrill Hall, Lincoln, NE: Lead visitors on drop-in tours in Morrill Hall
 - Wild Adventures – Pioneers Park Nature Center, Lincoln, NE: Represented University of Nebraska State Museum at nature/science event at local nature preserve and helped run habitat matching game, and promoted a raffle for a free family admissions pass.
- University of Nebraska Graduate Travel Awards Program. Peer reviewed applications for the Graduate Travel Awards Program through the Graduate Student Assembly. (December 2017; December 2018; April 2018)
- University of Nebraska Undergraduate Research Fair. Reviewed undergraduate research posters for poster competition awards. (April 2017)
- University of Nebraska State Museum Bad Science Movie Night. Gave a short talk about the scientific accuracy of Jurassic World. (March 2017)
- Montana Science Olympiad. Facilitated and graded student work in Fossil section. (October 2015)
- Geological Society of America. Checked-in advanced registrants to conference and acted as student liaison to technical help in conference session. (October 2015)