

Asmara A. Lehrmann

PhD Candidate

Department of Earth and Atmospheric Sciences

The University of Houston, Texas

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CURRENT POSITION

Ph.D. Candidate in Geology. **University of Houston.**

August 2023 – Present

Advisor: Dr. Julia Wellner

Anticipated completion: May 2026

National Science Foundation Graduate Research Fellowship

2020 – 2025

EDUCATION

B.S. **Trinity University.** Geoscience

2019 - 2023

Advisor: Dr. Kathy Surpless

Thesis title: *Holocene Frequency of Paleo-Floods in Mobile Bay from Sediment Grain Size, Elemental, and Foraminifer Analyses: Implications for Recent Estuarine Eutrophication Events*

APPOINTMENTS

Graduate Employee

Department of Earth and Atmospheric Sciences, University of Houston

Fall 2023 – present

Graduate Employee

Department of Geosciences, University of Alabama, Tuscaloosa

Fall 2019 – Winter 2022

RESEARCH CRUISES

NBP22-02

7 December 2021 – 9 March 2022

International Thwaites Glacier Collaboration's Thwaites Offshore Research group

RVIB Nathaniel B. Palmer to Amundsen Sea, Antarctica

NBP20-02

January – 31 March 2020

International Thwaites Glacier Collaboration's Thwaites Offshore Research group

RVIB Nathaniel B. Palmer to Amundsen Sea, Antarctic

SKILLS

Expertise in foraminifera assemblages, sedimentology, and stratigraphy | Expertise in gamma spectrometry on Canberra, and laser particle analysis on Malvern Mastersizers, Bettersizers, and CILAS | Experienced in developing radioisotope age models |

Proficient in Adobe Suite, Inkscape, and GIMP | Proficient in R | Proficient in QGIS and

trained in ArcGIS | Developing skills in python | Trained on CARIS multibeam editing |

Proficient and trained in EIVA NaviEdit and NaviModel processing of AUV multibeam data

PUBLICATIONS

Peer reviewed publications

1. **Lehrmann, A. A.**, Totten, R. L., Wellner, J. S., Hillenbrand, C.-D., Radionovskaya, S., Comas, R. M., Larter, R. D., Graham, A. G. C., Kirkham, J. D., Hogan, K. A., Fitzgerald, V., Clark, R. W., Hopkins, B., Lepp, A. P., Mawbey, E., Smyth, R. V., Miller, L. E., Smith, J. A., & Nitsche, F. O. (2025). Recent benthic foraminifera communities offshore of Thwaites Glacier in the Amundsen Sea, Antarctica: Implications for interpretations of fossil assemblages. *Journal of Micropalaeontology*, 44(1), 79–105. <https://doi.org/10.5194/jm-44-79-2025>

2. Adams, T. L., Price, D., Godet, A., Neuman, J. , Davis, C., **Lehrmann, A. A.**, Lehrmann, D. J. (2025). Revisiting Bird's swimming sauropod: New insights on Manus-dominated Dinosaur Tracks from the Mayan Dude Ranch in Bandera, Texas. *Historical Biology*, 0(0), 1–15.
<https://doi.org/10.1080/08912963.2025.2461068>
3. Świło, M., Majewski, W., Totten, R. L., **Lehrmann, A. A.**, and Anderson, J. B. (2024). Multi-proxy record of Late Holocene climate events and westerly winds in Maxwell Bay, South Shetland Islands, Antarctica, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 654, 112450,
<https://doi.org/10.1016/j.palaeo.2024.112450>
4. Clark, R. W., Wellner J.S., Hillenbrand, C.D., Totten R. L., Smith, J. A., Simkins, L., Larter, R.D., Hogan, K.A., Graham, A. C. G., Nitsche, F. O., **Lehrmann, A. A.**, Lepp, A. P., Kirkham, J. D., Fitzgerald, V. T., Garcia-Barrera, G., Ehrmann, W., Wacker, L., 2024, *PNAS*, Synchronous retreat of Thwaites and Pine Island glaciers in response to external forcings in the pre-satellite era, <https://doi.org/10.1073/pnas.2211711120>
5. Karplus, M. S., Young T.J., Bassis J. N., Anandakrishnan, S., Case, E.H., Crawford, A.J., Henry, L.R., Kingslake, J., **Lehrmann A.A.**, Pettit, E.C., Scambos, T.A., Sheffield, E.M., Smith, E.C., Turrin, M., and Wellner, J.S., 2022, Strategies to build a positive and inclusive Antarctic field work environment. *Annals of Glaciology*, 63(87-89), 125-131. doi:10.1017/aog.2023.32
6. Lepp, A.P.; Simkins, L.M.; Anderson, J.B.; Clark, R.W.; Wellner, J.S.; Hillenbrand, C.-D. Smith, J.A.; **Lehrmann, A.A.**; Totten, R.; Larter, R.D. ; Hogan, K.A. ; Nitsche, F.O.; Graham, A.G.C.; Wacker, L.. 2022 Sedimentary Signatures of Persistent Subglacial Meltwater Drainage From Thwaites Glacier, Antarctica. *Frontiers in Earth Science*, 10, 863200. 19
7. Totten, R.L., Fonseca, A.N., Wellner, J.S., Munoz, Y.P., Anderson, J.B., Tobin, T.S., and **Lehrmann, A.A.**, 2022, Oceanographic and climatic influences on Trooz Glacier, Antarctica during the Holocene: *Quaternary Science Reviews*, v. 276, p. 107279, doi: 10.1016/j.quascirev.2021.107279.
8. Davis, C. III, Sheppard, C., **Lehrmann, A.A.**, Adams, T., Godet, A., Price, D., Sharpe, J., Suarez, M., Altiner, D., Lehrmann, D. J., 2021, Sedimentology and geochemistry of a Lower Cretaceous dinosaur track site at the Mayan Ranch, Bandera, Texas: implications for environments and preservation of a sauropod manus dominant trackway: *South Texas Geological Society Bulletin*, v. 61, n. 6, p. 11-29.
9. Kernen, R., **Lehrmann, A. A.**, and Poe, P., 2021, Lithostratigraphy and chemostratigraphy of salt diapir sedimentary inclusions: Unraveling Ediacaran salt tectonics in the Flinders Ranges, South Australia: doi: 10.31223/x5x617.
10. Lehrmann, D.J., Droxler, A.W., Harris, P.M., Minzoni, M., Droxler, D.A., Hopson, H.H., Kelleher, C., Khanna, P., **Lehrmann, A.A.**, Lhemann, A., Mabry, G., Mercado, L., Proctor, J.M., Singh, P., et al., 2020, Controls on microbial and oolitic carbonate sedimentation and stratigraphic cyclicity within a mixed carbonate-siliciclastic system: Upper Cambrian Wilberns Formation, Llano Uplift, Mason County, Texas, USA: *The Depositional Record*, v. 6, doi: <https://doi.org/10.1002/dep2.108>.
11. Totten, R.T., Parker, L.E., Andrus, C.F., Elliott, E.A., Lambert, W.J., Wallace, D.J., **Lehrmann, A.A.**, 2020, A 7000-year record of floods and ecological feedbacks in Weeks Bay, Alabama, USA: *Science of the Total Environment*, v. 734

12. **Lehrmann, A. A.**, Blake, E., Sun, K., Welch, B., Ray, C. J., Adams, T., Suarez, M. B., Godet, A., Ferrill, D. A., McGinnis, R. N., Lehrmann, D. J., 2019, Geochemistry and environmental analysis of a Lower Cretaceous dinosaur track site, Heritage Museum of the Texas Hill Country, Comal County, central Texas: South Texas Geological Society Bulletin, v. 60 p. 13-26

TEACHING, SERVICE, AND OUTREACH

Teaching assistant, University of Houston

Paleobiology (primary instructor, Rosalie Maddox)

Fall 2023

Natural Disasters (primary instructor, Daniel Hauptvogel)

Spring 2024

Guest Lecturer

Paletotempestology and Field Methods

Summer 2021 and 2022

Dauphin Island Sea Lab (primary instructor, Emily Elliott)

Training

AHE 602: Problems in Higher Education; The American Professorate

Fall 2022

AHE 606: College and University Teaching

Fall 2020

Supervised undergraduate researchers, University of Alabama, Tuscaloosa

1. **Trudie Murphy** (1 semester in lab; Geoscience major): Foraminifera assemblages offshore B22 iceberg in the Amundsen Sea, Antarctica, and stable isotopes of the Amundsen Sea
2. **Ro Smyth** (2 semesters in lab; graduation Spring 2022; Environmental Science major, GIS minor): Spatial distribution of sedimentary facies in Mobile Bay, Alabama
3. **Will Farris** (2 semesters in lab; graduation Spring 2023; Biology Major): worked on Antarctic samples and explored interdisciplinary project ideas with biology Antarctic lab
4. **Emma Tegert** (4 semesters in lab; graduation Spring 2022; Geology major): Foraminifera and stable isotopes offshore Thwaites Glacier, Antarctica and Mobile Bay, Alabama
5. **Kolby Hite** (2 semesters in lab; graduated Spring 2021; Geography major, Geology minor): Stable isotopes and nutrients in Mobile Bay, Alabama
6. **Michael Comas** (3 semesters in lab; graduated Spring 2020; BS Environmental Science): The glacial history of the Abbot Ice Shelf, Amundsen Sea, Antarctica
7. **Savannah "Molly" Green** (1 semester in lab; expected graduation Summer 2021; Geology major, German minor): Foraminifera offshore Thwaites Glacier, Antarctica
8. **Chloe McCrory** (1 semester in lab; graduated Spring 2021; BS Environmental Science): Foraminifera offshore Thwaites Glacier, Antarctica

Peer reviews

Manuscripts, 2022-present (n=1)

Radiocarbon

Professional service

Polar Science Early Career Community Office (PSECCO) board member

2024- Present

International Thwaites Glacier Collaboration Early Career Liaison

2024- Present

American Geophysical Union session convener

2023

Polar Impact co-organizer, network for racial and ethnic minorities in polar science

2020 – 2022

International Thwaites Glacier Collaboration Justice Equity Diversity Inclusion

2020 – 2022

Early Career Researcher Representative

University of Alabama Unlearning Racism in Geology (URGE)

2020

University of Alabama Department of Geological Science Diversity Alliance

2020 – 2022

Committee member

University of Alabama Tide Together peer mentor

2020 - 2021

Trinity University's Geology Club President

2017 –2018

Academic Outreach Chair	2016 –2017
AAPG Student Chapter President, Trinity University	2017 –2019
Homeless Outreach Pursuing Education Hall, Trinity University	2017 –2018
Educational Outreach Coordinator, Trinity University	
Muslim Student Association Treasurer, Trinity University	2017 – 2018

Outreach and education

Teaching Course Dossier; lehmannasmara.wixsite.com/coursedossier	
International Thwaites Glacier Collaboration Antarctica Week	November 2019
University of Alabama Geokids	September 2019
Featured Scientist in <i>Ancient Life in Alabama: The Fossils, the Finders, and Why It Matters</i> book by Dr. William G. Deutsch	
Feature, Polar Impact	August 2020
Interview on NBP20-02 research cruise, The Trinity Perspective magazine	June 2020
Academic journey, PolarTREC	March 2020,
Interview on children's workshop in Yunnan, China, Intenational 24H News YNIC	June 2017

FELLOWSHIPS

Graduate Tuition Fellowship, University of Houston Graduate School (\$19,203/yr)	2023-present
National Science Foundation Graduate Research Fellowship (\$147,000)	2020-2025
Graduate Council Fellowship, University of Alabama Graduate School (\$58,997/yr)	2019-2020
Hixon Environmental Studies Research Fellowship, Trinity University (\$3,000)	2018

GRANTS AND SCHOLARSHIPS

Early Career Travel Grant to work with the University of Gothenburg (\$2000)	2025
Coastal and Estuarine Rising TIDES Recipient (\$800)	2021
David Worthington Named Grant, American Association of Petroleum Geologists (\$3,000)	2020
Lindahl Scholarship, University of Alabama Department of Geological Sciences (\$8,000)	2019
Sigma Gamma Epsilon Tarr Award (\$500)	2019
Gulf Coast Association of Geological Societies Research Grant (\$500)	2018
AAPG Geologists Foundation L. Austin Weeks Undergraduate Grant (\$500)	2018
South Central Geological Society Grant (\$500)	2017

HONORS AND RECOGNITION

Outstanding Graduate Work in Geology Award (\$400) <i>University of Houston Department of Earth and Atmospheric Sciences</i>	2024, 2025
Student Research Day Oral Presentation Contest, First Place (\$600) <i>University of Houston Department of Earth and Atmospheric Sciences</i>	2024, 2025
Dobrin Lecture Poster Contest, Second Place (\$500) <i>University of Houston Department of Earth and Atmospheric Sciences</i>	2024
Department of Geological Sciences Service Award (\$500) <i>University of Alabama Department of Geological Sciences</i>	2020-2021 and 2021-2022
Outstanding Senior Award (\$1,000) <i>Trinity University Department of Geosciences</i>	2019
GSA Sedimentary Geology Division and SEPM Student Poster Competition (\$1,000)	2018
Edward C. Roy, Jr. Outstanding Research in Geosciences Award (\$500)	2018
South Texas Geological Society Chair's Award (\$500)	2017
Honorable Mention: Best Undergraduate Research Poster South Central GSA	2017

RESEARCH and FIELD EXPERIENCE

IODP Workshop

IODP Glacial Sedimentation School (GLASS)

July 2024

paleoCAMP

June 2024

Paleoclimate Data Assimilation Workshop

August 2022

Lab Management

August 2019 – August 2022

Micropaleontology and Sedimentology Lab, The University of Alabama

Organized, trained, and mentored 16 undergraduate students to conduct lab work on core description, sample collection, microfossil processing, and stable isotope processing.

Honors Senior Thesis

2018 – 2019

Trinity University, University of Alabama

Collected, described, and analyzed an 8.39 m core from Mobile Bay, Alabama to create a Holocene record of large storm events and resulting harmful algal blooms. Used a handheld XRF and a laser particle analyzer every cm to create record. Collected and interpreted foraminifera samples from the upper 200 cm of the core.

Research Assistant

July 2018

Oregon State University

Assisted PhD candidate with field work and translating at Mount Sinabung, Indonesia.

Undergraduate Research Project

2017

Trinity University, University of Texas at San Antonio, the Witte Museum

Described stratigraphic section of dinosaur track bearing strata at the Heritage Museum of the Texas Hill Country and compared to two other localities of dinosaur track sites in the region using thin sections, polished slabs, XRF, and stable isotope measurements.

Field Geology in China: Study Abroad

June 2017

Trinity University and Guizhou University

Learned field methods while visiting world class geology sites in Southern China students and professors from Trinity University and Guizhou University.

Undergraduate Research Project

2016

Trinity University, University of Texas El Paso, Texas A&M University

Measured stratigraphic section and made detailed thin section descriptions to investigate geometry of subsalt minibasin

Research Assistant

University of Texas El Paso, Texas A&M University

July 2016

Assisted PhD candidate in the Flinders Ranges of Southern Australia with geologic mapping and stratigraphic section measurements.

INVITED TALKS

Polar Impact Webinar, Interagency Arctic Research Policy Committee (virtual)

February 2021

Race in West Antarctica, West Antarctic Ice Sheet Workshop (virtual)

October 2020

Lecture on research cruise NBP20-02, Scripps Institute for Oceanography (virtual)

April 2020

PROFESSIONAL MEMBERSHIPS

American Geophysical Union | July 2022 - present

Polar Impact | August 2020 - present

Cushman Foundation | May 2020 - present

Sigma Gamma Epsilon | May 2017 – present

Geological Society of America | February 2016 - present

American Association of Petroleum Geologists | January 2016 – present

Association of Women in Geosciences | April 2017 – present

Paleontological Society | September 2017 - present

FORMER EMPLOYMENT

Tour Guide Intern, Trinity University Office of Admissions | 2018 – 2019

Organized campus Tour Guide training and hiring, scheduled Tour Guides for daily visits and big visit programs

Tour Guide Intern, Trinity University Office of Admissions Tour Guide | 2016 – 2019

Gave walking tours to prospective students, families, and faculty. Wrote postcards to each visitor who attended a tour.

CONFERENCE ABSTRACTS

- Lehrmann, A.A.**; Wellner, J.S., Wählin A., Graham A., Hillenbrand C.D.; 2024, Newly discovered glacial grounding line and meltwater features offshore Dotson Ice Shelf from AUV high-resolution bathymetric data, *ITGC Annual Conference*, Cambridge, UK, Sept. 2024
- Larter, R., Hogan, K., Graham, A., Nitsche, F., Wellner, J., Hillenbrand, C.-D., Totten, R., Smith, J., Miller, L., Anderson, J., Mawbey, E., Clark, R., Hopkins, R., **Lehrmann, A.**, Lepp, A., Marschalek, J., Garcia, S. M., and Taylor, L.: How much, how deposited, how old – what can we learn from sediments in Pine Island Bay?, *Copernicus Meetings*, <https://doi.org/10.5194/egusphere-egu24-19707>, 2024.
- Lehrmann, A.A.**; Totten, R. L.; Wellner, J.S.; Hillenbrand, C. D.; Smith, J.A.; Majewski, W.; Simkins, L.; Anderson, J. B.; Clark, R. W.; Mawbey, E.; Hopkins, B.; Lepp, A. P.; Comas, R. M.; Larter, R. D.; Hogan, K.A.; Nitsche F.O.; Graham A.G.C, 2022, Using benthic microfaunal communities to constrain oceanographic influence on the stability of Thwaites Glacier, Antarctica, *West Antarctic Ice Sheet Conference*, Sept. 2022
- Clark, R. W., Wellner, J.S., Hillenbrand, C.D., Totten, R.L., **Lehrmann, A.A.**, Fitzgerald V., Smith, J.A., Barnett, L., Comas, R. M., Garcia-Barrera, G., Hambrick, R., M., Hopkins, B., Kirkham, J., Lepp, A. P., Marschalek, J., Mawbey, E., Garcia, S.M., Anderson, J. B., Villafranca J., Graham, A. G. C., Hogan K., Larter R. D, Nitsche, F. O., Simkins, L. M., Wacker L., 2022. Grounding-Zone Retreat and Marine Sediment Transport from Holocene to Present along Thwaites Glacier in the Eastern Amundsen Sea (Invited), *American Geophysical Union*, Dec. 2022
- Comas R.M., Wellner, J. S., Hillenbrand, C.D., Clark, R. W., Smith, J.A., Larter R. D., Graham, A. G. C., an K., Nitsche, F. O., Totten, R.L., Anderson, J. B., Simkins, L. M., **Lehrmann, A.A.**, Lepp, A. P., Mawbey, E., Hambrick, R., M., Hopkins, and Marschalek, J., Sedimentary Record of Pre-Satellite Retreat of Pine Island Glacier, Amundsen Sea, Antarctica, *American Geophysical Union*, Dec. 2022
- Elliott, E. A., Monica, S., Bregy, J. C., Wallace, D. J., Friedman, J., Totten R. L., **Lehrmann A. A.**, and Tucker, C., Using Paleotempestology and Barrier Island Geomorphology to Characterize Tropical Cyclone Activity During the Late Holocene Along the Northern Gulf Coast of the United States, *American Geophysical Union*, Dec. 2022
- Lummus, M. M., Schneider, B., Stearns, L. A., **Lehrmann A.A.**, Creating a More Transparent Graduate School Application Process By Boosting Self-Efficacy Among GeoGradApp.com Workshop Participants (Invited), *American Geophysical Union*, Dec. 2022
- Robertson, E. R., Walcott C. K., Gill., P.S., **Lehrmann, A.A.**, Dryak, M. C., Vurakaranam, A., Quinter, E., Polar Impact: Working to Illustrate, Support, and Promote Diversity in the Polar Community (Invited), *American Geophysical Union*, Dec. 2022
- Totten, R.L., **Lehrmann, A.A.**, Elliott, E. A., Wallace, D. J., Monica, S., Past Floods recorded in Alabama estuaries: A record of extremes from the Mid Holocene to Common Era, *American Geophysical Union*, Dec. 2022
- Wellner, J.S., Clark, R.W., **Lehrmann, A.A.**, Lepp, A.P., Hillenbrand, C.D., Totten, R.L., Simkins, L., Comas, R.M., Mawbey, E., Hopkins, B., Smith, J.A., Anderson, J.B., Hogan, K.A., Nitsche, F.O., Graham, A.G.C., Larter, R.D., 2022. Pre-satellite retreat of Thwaites and Pine Island glaciers: Recent results from sediment cores, *European Geosciences Union* 23-27 May 2022.

- Minzoni, R.T., **Lehrmann, A.A.**, Wellner, J.S., Hillenbrand, C.-D., Smith, J.A., Simkins, L., Clark, R.W., Mawbey, E., Comas, R.M.*, Hopkins, B., Marshalek, J., Anderson, J.B., Larter, R.D., Graham, A., Hogan, K., Nitsche, F.O., 2021. Microfossil fingerprints of glacial stability: Using diatoms and foraminifera to reconstruct the history of Thwaites Glacier, West Antarctica, *American Geophysical Union Fall Meeting*, New Orleans, LA.
- Elliott, E.A., **Lehrmann, A.A.**, Minzoni, R.T., Bregy, J., Wallace, D., Tucker, C., Pearl, J., 2021. Archives of the Extreme: Building multi-proxy records to characterize tropical cyclone activity and environmental impacts in the northern Gulf of Mexico, *American Geophysical Union Fall Meeting*, New Orleans, LA.
- Lehrmann, A.A.**, Minzoni, R.T., Wellner, J., Hillenbrand, C.-D., Smith, J.A., Simkins, L., Clark, R.W., Mawbey, E., Comas, R.M., Hopkins, B., Marshalek, J., Anderson, J.B., Larter, R., Graham, A., Hogan, K., Nitsche, F.O., 2021. Tracking Circumpolar Deep Water: Foraminifera as a proxy for oceanic conditions offshore Thwaites Glacier, Antarctica, *Twenty-Eighth Annual West Antarctic Ice Sheet Meeting*, Sterling, VA.
- Clark, R.W., Wellner, J., Hillenbrand, C.-D., Minzoni, R.T., Smith, J.A., Simkins, L., Larter, R.D., Anderson, J.B., Comas, R.M., **Lehrmann, A.A.**, Lepp, A., Hambrick, M.C., Hogan, K., Graham, A., Nitsche, F.O., 2021. Evidence for simultaneous 20th century ice shelf changes of Thwaites and Pine Island glaciers, *Twenty-Eighth Annual West Antarctic Ice Sheet Meeting*, Sterling, VA.
- Elliott, E.A., Bregy, J., Tucker, C., **Lehrmann, A.A.**, Minzoni, R.T., Wallace, D., Therrell, M.D., 2021. Recording Storms—Utilizing multiproxy records to identify tropical cyclone activity along the northern Gulf of Mexico, *Geological Society of America Annual Meeting*, Portland, OR.
- Minzoni, R.T., **Lehrmann, A.A.**, Wallace, D., Elliott, E., Monica, S., 2021. Paleo-records of sea level, floods, and storms in the Mobile Bay and Weeks Bay estuaries: Implications for future change in Alabama, *Alabama Water Resources Conference*, Orange Beach, AL.
- Elliott, E., Minzoni, R.T., Wallace, D., **Lehrmann, A.A.**, Dike, C., 2021. Contextualizing Extremes: New sediment archives and how they will help us understand the frequency of intense tropical cyclone activity along the MS-AL Coast, *Alabama Water Resources Conference*, Orange Beach, AL.
- Lepp A., Simkins L., Minzoni R., Wellner J., Clark R., Fitzgerald V., **Lehrmann A.**, Hillenbrand C.D., Smith J., Anderson J., Larter R., Graham A., Hogan K., Nitsche F., 2020, Persistent Meltwater Discharge from Thwaites Glacier Recorded in Offshore Sediments, *American Geophysical Union*
- Wellner, J. S., Clark, R., Hillenbrand, C. D., Minzoni, R. T. , Larter, R., Anderson, J. B., Graham, A., Hogan, K., Nitsche, F., Simkins, L., Smith, J., Fitzgerald, V. T., **Lehrmann, A.**, Lepp, A., 2020 Thwaites Glacier, Antarctica, Offshore Research: Initial sedimentary records from 2019 and 2020 cruises (Invited Presentation): *Geological Society of America*, doi: 10.1130/abs/2020AM-359371
- Gill, P., **Lehrmann, A. A.**, Lepp, A., Ash, J., 2020, Polar Impact (Minorities in Polar Research): Changing the face of Polar Research: *Geological Society of America*
- Larter, R., Wellner, J., Graham, A., Hillenbrand, C.-D., Hogan, K., Nitsche, F., Smith, J., Boehme, L., Barham, M., Anderson, J., Minzoni, R., Simkins, L., Heywood, K., Pettit, E., Bortolo, G., Clark, R., Munevar, S., Hopkins, R., **Lehrmann, A.**, Lepp, A., Marschalek, J., Mawbey, E., Taylor, T., 2020, Initial results from International Thwaites Glacier Collaboration cruise NBP20-02, doi: 10.5194/egusphere-egu2020-17529
- Wellner, J.S., Larter, R., Graham, A. , Hillenbrand, C.-D., Hogan, K., Minzoni, R., Nitsche, F., Smith, J., Anderson, J., Simkins, L., Clark, R., Fitzgerald, V., Hopkins, R., **Lehrmann, A.**, Lepp, A., Marschalek, J., Mawbey, E., Kirkham, J., Munevar, S., Taylor, L., 2020, Initial Geologic Results from Thwaites Glacier Offshore Research (THOR) 2019 and 2020 Field Seasons, *Scientific Committee on Antarctic Research*
- Elliott, E.A., Minzoni, R.T., Wallace, D.J., Waters, M., Davis, L., **Lehrmann, A.**, Parker, L., and Dike, C., 2019, Legacy of the Storm: Paleo-perspective on tropical cyclone activity along the northern Gulf of Mexico region and associated impacts on ecosystem health: *American Geophysical Union Abstracts with Programs*

- Lehrmann, A.**, Minzoni, R.T., Wallace, D.J., Surpless, K., Parker, L., and Sobrado, J., 2019, A new record of Holocene paleo-floods in Mobile Bay, AL from grain size, elemental, and foraminifer analysis: Geological Society of America Abstracts with Programs, v. 51, doi: 10.1130/abs/2019AM-336436.
- Adams, T. L., Lehrmann, D., Deschner, E., **Lehrmann, A.**, and Blake, E., 2019, Dinosaur Tracks as an Educational Resource: Society of Vertebrate Paleontology Programs and Abstracts.
- Lehrmann, A.**, Minzoni, R., Wallace, D., and Surpless, K. Holocene frequency of paleo-floods in Mobile Bay from sediment grain size and elemental analyses: implications for recent estuarine eutrophication events: Geological Society of America Abstracts with Programs, v. 50, doi: 10.1130/abs/2018am-319955.
- Parker L., Minzoni R.T., Wallace D.J., **Lehrmann A.**, Sobrado J., 2018, Eutrophication in the northern Gulf of Mexico: an evaluation of long-term environmental change and human impacts on coastal estuaries: Geological Society of America Abstracts with Programs. Vol. 50, No. 6, doi: 10.1130/abs/2018AM-324177
- Lehrmann, A. A.**, Blake, E., Sun, K., Welch, B., Ray, C. J., Suarez, M.B., Godet, A., Adams, T., Lehrmann, D., 2017, Geochemistry and environmental analysis of a Lower Cretaceous dinosaur track site, Heritage Museum of the Texas Hill Country, Comal county, central Texas: Geological Society of America Abstracts with Programs. Vol. 49, No. 6 doi: 10.1130/abs/2017AM-300061.
- Blake E., **Lehrmann, A. A.**, Welch, B., Ray, C. J., Sun, K., Suarez, M. N., Godet., Adams, T., Lehrmann, D., 2017, Sedimentology and stratigraphy of a Lower Cretaceous dinosaur track site, Heritage Museum of the Texas Hill Country, Comal county, central Texas: Geological Society of America Abstracts with Programs. Vol. 49, No. 6 doi: 10.1130/abs/2017AM-300085.
- Lehrmann, A.**, Kernen, R., Giles, S., and Giles K., 2017, Timing of allochthonous salt emplacement of the Neoproterozoic (Ediacaran) Patawarta salt sheet, Flinders Ranges, south Australia: Evidence from the subsalt minibasin: Geological Society of America Abstracts with Programs. Vol. 49, No. 1, doi: 10.1130/abs/2017SC-289392.
- Giles S., Kernen, R., **Lehrmann, A.**, Giles, K., 2017, Evolution of a suprasalt minibasin: Neoproterozoic (Ediacaran) Patawarta salt sheet, Flinders Ranges, South Australia: Geological Society of America Abstracts with Programs. Vol. 49, No. 1 doi: 10.1130/abs/2017SC-289435
- Kernen R. A., Giles K. A., Fischer, M. P., Giles S., **Lehrmann, A.**, Rowan M. G., 2017, Evaluating exploration potential of suture zones or encased minibasins using an outcrop example from the Neoproterozoic Patawarta salt canopy, central Flinders Ranges, south Australia: American Association of Petroleum Geologists, National Meeting, Houston, TX.