

Jennifer J. Kasbohm, Ph.D.

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EDUCATION

- 2013–2020 **Princeton University** (Princeton, NJ)
Ph.D. in Geosciences, June 2020.
NSF Graduate Fellow, Princeton University Centennial Fellowship.
Dissertation: “Calibrating Archean and Miocene large igneous province emplacement and geologic timescales with high-precision U-Pb zircon geochronology”
Adviser: Professor Blair Schoene
- 2009–2013 **Yale University** (New Haven, CT)
Bachelor of Science in Geology & Geophysics and Humanities with Distinction in both majors, May 2013.
Magna Cum Laude, Phi Beta Kappa.
Geology & Geophysics Senior Thesis: “A Paleomagnetic Reanalysis of the Auborus Formation, Namibia.”
Adviser: Professor David Evans

APPOINTMENTS

- 2024–present **Staff Scientist**
Carnegie Institution for Science (Washington, DC) Earth & Planets Laboratory.
- 2023–2024 **Postdoctoral Researcher**
Yale University (New Haven, CT) Department of Earth & Planetary Sciences.
Research Mentor: Professor Pincelli Hull
- 2020–2023 **National Science Foundation Earth Sciences Postdoctoral Fellow**
Yale University (New Haven, CT) Department of Earth & Planetary Sciences.
Research Mentor: Professor Pincelli Hull. [Award abstract](#)

PEER-REVIEWED PUBLICATIONS (* FORMER UNDERGRAD CO-AUTHOR)

- Kasbohm, J.**, Schoene, B., Thomas, E., Hull, P. (in review). High-precision U-Pb geochronology for the Miocene Climate Optimum & a novel approach for calibrating age models in deep-sea sediment cores. *Geology*.
- Condon, D., Schoene, B., Schmitz, M., Schaltegger, U., Ickert, R., 30 coauthors including **Kasbohm, J.** (2024). Recommendations for the Reporting and Interpretation of Isotope Dilution U-Pb Geochronological Information. *GSA Bulletin*. doi.org/10.1130/B37321.1
- Kasbohm, J.**, Schoene, B., Mark, D., Murray, J.*, Reidel, S., Szymanowski, D., Barford, D., Barry, T. (2023). Eruption history of the Columbia River Basalt Group constrained by high-precision U-Pb and ⁴⁰Ar/³⁹Ar geochronology. *Earth & Planetary Science Letters* **617**, 118269. doi.org/10.1016/j.epsl.2023.118269.
LAVCEI Large Igneous Province of the Month, July 2023
- Kasbohm, J.**, Schoene, B., Maclennan, S., Evans, D.A.D., Weiss, B.P. (2023). Paleogeography and high-precision geochronology of the Neoproterozoic Fortescue Group, Pilbara, Western Australia. *Precambrian Research* **394**, 107114. doi.org/10.1016/j.precamres.2023.107114.
Article in Ars Technica | LAVCEI Large Igneous Province of the Month, June 2023
- Reidel, S.P., Ross, M.E., **Kasbohm, J.** (2023). The Nenana Magnetite lava flow, Alaska Range, Alaska. *Geoscience Canada* **50(2)**, 53-71. doi.org/10.12789/geocanj.2023.50.197
- Kasbohm, J.**, Schoene, B., Montanari, A., Coccioni, R. (2021). High-precision U-Pb zircon geochronology of the Miocene Bisciaro Formation, Contessa Valley, Italy: A case study for requisite radiometric calibration of bio- and magnetostratigraphy. *Palaogeography, Palaeoclimatology, Palaeoecology* **576**, 1-11. doi.org/10.1016/j.palaeo.2021.110487

- Kasbohm, J.**, Schoene, B., Burgess, S. (2021). Radiometric constraints on the timing, tempo, and effects of large igneous province emplacement. In *Large Igneous Provinces: A Driver of Global Environmental and Biotic Changes*. AGU Geophysical Monograph 255, review invited by editor Richard Ernst. doi.org/10.1002/9781119507444.ch2
- Kasbohm, J.**, Schoene, B. (2018). Rapid eruption of the Columbia River flood basalt and correlation with the mid-Miocene climate optimum. *Science Advances* **4**, eaat8223. doi.org/10.1126/sciadv.aat8223
[Princeton University press release covered by Science Daily, Phys.org, Technology.org, and others](#) | AGI [Earth magazine article](#)
[LAVCEI Large Igneous Province of the Month](#), October 2018
- Blättler, C.L., Kump, L.R., Fischer, W.W., Paris, G., **Kasbohm, J.J.**, & Higgins, J.A. (2017). Constraints on ocean carbonate chemistry and pCO₂ in the Archaean and Palaeoproterozoic. *Nature Geoscience* **10**, 41-45. doi.org/10.1038/ngeo2844. *Field photo featured in the issue's Table of Contents*
- Kasbohm, J.**, Evans, D.A., Panzik, J.E., Hofmann, M., & Linnemann, U. (2016). Palaeomagnetic and geochronological data from Late Mesoproterozoic redbed sedimentary rocks on the western margin of Kalahari craton. Geological Society, London, Special Publications, 424, SP424-4. doi.org/10.1144/SP424.4
- Panzik, J.E., Evans, D.A.D., **Kasbohm, J.J.**, Hanson, R., Gose, W., & Desormeau, J. (2016). Using palaeomagnetism to determine late Mesoproterozoic palaeogeographic history and tectonic relations of the Sinclair terrane, Namaqua orogen, Namibia. Geological Society, London, Special Publications, 424, SP424-10. doi.org/10.1144/SP424.10

OTHER PUBLICATIONS

- Kasbohm, J.**, (2022). Flood basalt buildup warms climate. News & Views for *Nature Geoscience* **15**, 342-343. doi.org/10.1038/s41561-022-00944-z

AWARDS

Fellowships:

- 2020–2023 **National Science Foundation Earth Sciences Postdoctoral Fellowship**, \$261,000.
Awarded by NSF for three years of postdoctoral stipend and partial research budget for project “Calibrating timescales and measuring pCO₂ to test the role of volcanic forcing in the Miocene Climate Optimum.”
- 2013–2018 **National Science Foundation Graduate Research Fellowship**, \$120,000.
Awarded by NSF for three years of graduate stipend and partial tuition coverage.
- 2018 **Geoscience Student Research Fellowship**, \$4000.
Awarded by Princeton Dept. of Geosciences for dissertation field research in Italy.
- 2013–2017 **Centennial Fellowship**, \$16,000.
Awarded by Princeton University Graduate School to outstanding applicants.
- 2016 **Walbridge Fund Graduate Award**, \$10,000.
Awarded by Princeton Environmental Institute to support proposed investigation of “Testing Climate Sensitivity to Atmospheric Carbon Dioxide: A Case Study from the Miocene.”
- 2012 **Alan S. Tetelman 1958 Fellowship for International Research in the Sciences**, \$3000.
Awarded by Yale College Science & Engineering Research for Geology & Geophysics Senior Thesis field research in Namibia.
- 2012 **Karen Von Damm '77 Undergraduate Research Fellowship in Geology & Geophysics**, \$2500.
Awarded by Yale University Dept. of Geology & Geophysics for Senior Thesis research in Namibia.
- 2012 **Jeffrey Lewis Summer Research and Travel Fellowship**, \$4000.
Awarded by Yale College Center for International and Professional Experience to fully fund summer Humanities Senior Essay research on portrayals of medieval pilgrims along *el Camino de Santiago* in Spain.

Honors:

- 2023 **EPS-IDEA Prize**
Awarded inaugural prize by Yale Dept. of Earth & Planetary Sciences Inclusion, Diversity, Equity and Anti-Racism (IDEA) Committee for my “outstanding and sustained contributions to our mission.”

- 2020 **Geosciences Service and Outreach Award for Graduate Students, \$400.**
Awarded inaugural prize by Princeton Dept. of Geosciences Diversity Committee for my “deep commitment to improving the scientific community” through exceptional service and advocacy. [Award citation](#)
- 2020 **AGU Outstanding Student Paper Award, \$250.**
Awarded by AGU to promote, recognize, and reward quality student research and communication in the geophysical sciences, for 2019 poster presentation.
- 2013 **William R. Belknap Prize, \$500.**
Awarded by Yale University Dept. of Geology & Geophysics “to a senior for excellence in geological studies.”
- 2009–2012 **Thomas J. Watson Memorial Scholarship, \$8000.**
Awarded by IBM to outstanding children of employees.
- 2012 **Samuel Lewis Penfield Prize, \$1000.**
Awarded by Yale University Department of Geology & Geophysics “for proficiency in Mineralogy.”
- 2012 **American Institute of Professional Geologists National Scholarship, \$1000.**
Awarded to assist with college education costs and promote student participation in AIPG.

INVITED TALKS

- 05/13/2024 Yale University & Yale Peabody Museum, An Inclusive Future for Scientific Fieldwork, Invited Panelist
- 05/09/2024 Dartmouth College, Department of Earth Sciences, Earth Sciences Seminar Series
- 04/24/2024 Geological Society of Washington, Early Career Symposium
- 01/09/2024 UCLA, Department of Earth, Planetary & Space Sciences, Department Seminar
- 10/06/2023 Texas A&M University, Department of Geology & Geophysics, Department Seminar
- 08/12/2023 COOL-FRES Climate and Tectonics Workshop at MIT, Presentation
- 05/31/2023 Carnegie Institution for Science, Earth & Planets Laboratory, Seminar
- 02/15/2023 Rutgers University, Department of Earth and Planetary Sciences, Department Colloquium
- 03/22/2022 University of Southern California, Department of Earth Sciences, Department Seminar
- 02/23/2022 College of William & Mary, Department of Geology, Departmental Seminar
- 02/16/2022 Yale University, Department of Earth & Planetary Sciences, Postdoc Seminar
- 11/04/2020 Yale University, Department of Earth & Planetary Sciences, Postdoc Seminar
- 12/06/2019 Princeton University, Department of Geosciences, Solid Earth Brown Bag Seminar
- 10/28/2019 Boise State University, Department of Geoscience, Department Seminar
- 03/01/2019 City College of New York, Department of Earth & Atmospheric Sciences, Seminar
- 02/06/2019 Lamont Doherty Earth Observatory (Columbia University), Geochemistry Seminar
- 04/06/2018 Yale University, Department of Geology & Geophysics, Special Seminar

PUBLISHED AND PRESENTED ABSTRACTS (* INVITED)

- Kasbohm, J.**, Jurikova, H., Schoene, B., Holbourn, A., Planavsky, N.J., Rae, J.W.B., Hull, P.M. (2023).* Calibrating timescales and measuring pCO₂ to test the role of large igneous province volcanism in the Miocene Climate Optimum. *American Geophysical Union Fall Meeting Abstracts*.
- Long, M.D., **Kasbohm, J.** (2023). Safety, Equity, and Inclusion in Fieldwork: Experiences from Yale EPS. *American Geophysical Union Fall Meeting Abstracts*.
- Kasbohm, J.**, Schoene B., Mark, D., Murray, J., Reidel, S., Szymanowski, D., Barford, D., Barry, T. (2023). Eruption history of the Columbia River Basalt Group constrained by high-precision U-Pb and ⁴⁰Ar/³⁹Ar geochronology. *Gordon Research Conference on Geochronology*.
- Kasbohm, J.**, Jurikova, H., Schoene, B., Holbourn, A., Planavsky, N.J., Rae, J.W.B., Hull, P.M. (2023).* Calibrating timescales and measuring pCO₂ to test the role of LIP volcanism in the Miocene Climate Optimum. *Goldschmidt Abstracts*.

- Kasbohm, J.**, Schoene, B., Mark, D., Murray, J., Reidel, S.P., Hull, P.M. (2022). Refining Age Models of Columbia River Basalt Emplacement and the Miocene Climate Optimum with High-Precision Geochronology. *American Geophysical Union Fall Meeting Abstracts*.
- Kasbohm, J.**, Gibson, T., Liu, J., Westacott, S., Long, M.D. (2022). Broadening Departmental Participation to Implement IDEAs in Yale EPS. *American Geophysical Union Fall Meeting Abstracts*.
- Kasbohm, J.**, Schoene B., Maclennan, S., Evans, D.A.D., Weiss, B.P. (2022). Paleogeography and high-precision geochronology of the Neoproterozoic Fortescue Group, Pilbara, Western Australia. *Geological Society of America Annual Meeting Abstracts and Programs*.
- Kasbohm, J.**, Schoene, B., Burgess, S., Hull, P. (2022).* Radiometric constraints on the timing, tempo, and effects of large igneous province emplacement. *Goldschmidt Abstracts*.
- Kasbohm, J.**, Schoene, B., Murray, J., Reidel, S.P., Hull, P. (2021). Comparing high-precision timelines of Columbia River Basalt emplacement and the Miocene Climate Optimum with U-Pb zircon geochronology. *American Geophysical Union Fall Meeting Abstracts*.
- Kasbohm, J.**, Schoene, B., Montanari, A., Coccioni, R., Hull, P. (2021). Revising age models for Miocene deep-sea sediments with U-Pb zircon geochronology. *Geological Society of America Annual Meeting Abstracts and Programs*.
- Kasbohm, J.**, Schoene, B., Hull, P. (2021).* Assessing the connection between Columbia River basalt volcanism and the Miocene Climate Optimum with zircon geochronology. *Northeast Geobiology Symposium*.
- Kasbohm, J.**, Long, M., Westacott, S., Millikin, A.E.G. (2021). URGE-ing IDEAs forward in Yale EPS. *Geological Society of America Annual Meeting Abstracts and Programs & American Geophysical Union Fall Meeting Abstracts*.
- Kasbohm, J.**, Schoene, B., Hull, P. (2020). Assessing the Timescale of the Miocene Climate Optimum with U-Pb Zircon Geochronology. *American Geophysical Union Fall Meeting Abstracts*.
- Kasbohm, J.**, Schoene, B. (2020).* Assessing Eruptive Tempo of the Columbia River Basalt Group and Recalibrating Miocene Climate Records with Zircon Geochronology. *American Geophysical Union Fall Meeting Abstracts*.
- Kasbohm, J.**, Schoene B., Montanari, A., Coccioni, R. (2020). Assessing the Suitability of a Burdigalian GSSP in the Miocene Bisciaro Formation, Contessa Valley, Italy with U-Pb Zircon Geochronology. *Geological Society of America Annual Meeting Abstracts and Programs*.
- Kasbohm, J.**, Schoene, B. (2019). Assessing Eruptive Tempo of the Columbia River Basalt Group and Recalibrating Miocene Climate Records with Zircon Geochronology. *American Geophysical Union Fall Meeting Abstracts*.
- * Outstanding Student Paper Award**
- Kasbohm, J.**, Schoene, B. (2019). Calibrating the Miocene Geomagnetic Polarity Timescale with Zircon Geochronology. *Gordon Research Conference on Geochronology*.
- Kasbohm, J.**, Schoene, B. (2018). Assessing Correlation of Columbia River Flood Basalt Volcanism with the Mid-Miocene Climate Optimum through Zircon Geochronology. *American Geophysical Union Fall Meeting Abstracts*.
- Kasbohm, J.**, Schoene B., (2018). U-Pb Zircon Ages Correlate the Columbia River Flood Basalt with the Mid-Miocene Climate Optimum. *Goldschmidt Abstracts*.
- Kasbohm, J.**, Schoene, B., (2017). Assessing Causes and Consequences of Columbia River Basalt Volcanism with Zircon Geochronology. *American Geophysical Union Fall Meeting Abstracts*.
- Kasbohm, J.**, Schoene, B., (2016). U-Pb Zircon Geochronology of the Columbia River Basalt. *American Geophysical Union Fall Meeting Abstracts*.
- Kasbohm, J.**, Maloof, A., Schoene, B., Weiss, B. (2015). Constraining Rates of Neoproterozoic Plate Motion through Magnetostratigraphy and High-Precision Geochronology of the Fortescue Group, Pilbara, Western Australia. *American Geophysical Union Fall Meeting Abstracts*.
- Kasbohm, J.**, Maloof, A., Schoene, B. (2015). Volcanostratigraphy and Paleogeography of the Archean Fortescue Group, Pilbara, Western Australia. *Northeastern Geobiology Conference*.

- Kasbohm, J.J.**, Panzik, J.E., Evans, D.A.D. (2012). A paleomagnetic reanalysis of the Auborus Formation, Namibia. *Geological Society of America Annual Meeting Abstracts and Programs* 44(7):598.
- Panzik, J.E., **Kasbohm, J.J.**, Evans, D.A.D., Hanson, R.E., Gose, W.A. (2012). Using palaeomagnetism to determine palaeogeographic history and tectonic relations of the Sinclair terrane, Namibia. *Geological Society of America Annual Meeting Abstracts and Programs* 44(7):598.

SESSIONS CONVENED

- 2024 **Women in EPS Day**, New Haven, CT. Co-Conveners: Anieke Brombacher, Silvina Slagter, Roxanne Armfield, Elly Goetz, Isabella Chiaravalloti Jennifer Kosty, Jordan Wostbrock, Maureen Long
Day-long research symposium highlighting work of women and gender minorities in Yale EPS
- 2023 **Women in EPS Day**, New Haven, CT. Co-Conveners: Alexie Millikin, Silvina Slagter, Roxanne Armfield, Jordan Wostbrock, Maureen Long.
Day-long research symposium highlighting work of women and gender minorities in Yale EPS
- 2022 **AGU Fall Meeting**, Chicago, IL. Co-Conveners: James Eguchi, Benjamin Black
“Turning Earth Inside Out: Large Igneous Provinces, Mantle Plumes, and the Co-Evolution of Earth’s Interior and Surface Environments”
- 2022 **GSA Annual Meeting**, Denver, CO. Co-Conveners: Alexie Millikin, Timothy Gibson, Alan Rooney
“Radiogenic Isotopes as Tracers of Geologic Processes: Dates, Rates, and Proxies”
- 2021 **GSA Annual Meeting**, Portland, OR. Co-Convener: Alexander Lowe
“Assessing Causes, Consequences, and Time Scales of Miocene Climate and Environmental Change”

FIELD EXPERIENCE

- 2018–2019 **Italy**, 3 weeks. Miocene geochronology PhD Thesis research; Agouon Institute mercury sampling.
- 2015–2016 **Northwest USA**, 6 weeks. Columbia River Basalt Group PhD Thesis research.
- 2015 **California**, 1 week. Structural Geology class trip.
- 2013–2014 **Australia**, 14 weeks. Fortescue Group PhD Thesis research.
- 2014 **Bahamas**, 1 week. Sedimentology class trip.
- 2011–2012 **Namibia**, 8 weeks. Geology & Geophysics Senior Thesis research.
- 2012 **Peru**, 4 weeks. Spanish translator and field assistant on seismology data collection trip.
- 2012 **Arizona**, 1 week. Whole Lava Love volcanic mapping field course.
- 2012 **Dominica & Martinique**, 1 week. Natural Disasters class trip.
- 2012 **Spain**, 4 weeks. Humanities Senior Essay research.
- 2011 **South Africa & Namibia**, 3 weeks. Regional Perspectives on Global Geoscience class trip.
- 2011 **Rome**, 5 weeks. Humanities Senior Essay research.
- 2010 **Sicily**, 2 weeks. Global Tectonics class trip.

ENVIRONMENTAL COLLABORATIONS

- 2021 **Yale Carbon Containment Lab**, Postdoctoral Affiliate.
Consulted for Yale School of the Environment lab pursuing geologic carbon containment in the Columbia River Basalt Group. Advised on the regional geology, volcanology, and carbon storage potential.

TEACHING EXPERIENCE

- Spring 2024 & Fall 2023 **EPS490/491: Senior Thesis**, Assistant Instructor.
Met 11 students in their first and second semester of senior thesis work in weekly lab meeting format to ensure progress. Led workshops on planning and executing effective scientific writing and presentations.
- Spring 2017 **GEO103: Natural Disasters**, Assistant in Instruction.
Led two lab sections (for 10 and 17 students) and graded midterms for 80 student course for non-science majors, the Department of Geosciences’ second-largest class.
Received excellent evaluations, such as: “Jenn was a great instructor and since our lab was before the lecture, she did a great job of teaching us the material we would learn during the week.”

- Fall 2016 **GEO102: Climate: Past, Present, and Future**, Assistant in Instruction.
 Led lab section for 15 students and assisted in grading problem sets and exams for 230 student course for non-science majors, the Department of Geosciences' largest class.
 Received excellent evaluations, such as: "Jenn was an incredibly helpful AI. She was effective in encouraging thought among the students during the lab, while also offering help and assistance when asked. She never allowed a student question or concern to go unanswered, and she was very responsive to students' needs."

UNDERGRADUATE MENTORSHIP

- 2019 Liam O'Connor, Princeton Class of 2020, lab work at Princeton; now an MS student at the University of Arizona Department of Geosciences
- 2017 Kyle Duffey, Princeton Class of 2019, Fieldwork in Columbia River Basalt Group, lab work at Princeton; now an Operations Manager at Chesapeake Bay Outward Bound School
- 2016 Samuel Bartusek, Princeton Class of 2020, Fieldwork in Columbia River Basalt Group, lab work at Princeton; now a PhD candidate at Lamont Doherty Earth Observatory (Columbia University)
- 2015–2016 Joshua Murray, Princeton Class of 2018, Fieldwork in Columbia River Basalt Group, lab work at Princeton; now a PhD candidate at MIT Department of Earth, Atmospheric and Planetary Sciences
- 2014 Eric Bolton, Princeton Class of 2015, Fieldwork in Pilbara, Western Australia; now a Senior Machine Learning Engineer at Applied XL
- 2013 Alison Campion, Princeton Class of 2016, Fieldwork in Pilbara, Western Australia; now a PhD student at Tufts University Economics and Public Policy Program

LEADERSHIP & SERVICE

- 2021-2024 **Womxn in Earth & Planetary Sciences at Yale**, Founder and Coordinator.
 Founded a support network for women and nonbinary EPS department members. Convened a leadership team that works together to coordinate monthly group mentoring meetings, professional development workshops, social events, reading groups, and a departmental Women in Earth Sciences Day symposium.
- 2020-2022 **Inclusion, Diversity, Equity and Anti-Racism (IDEA) Committee**, Postdoctoral Representative.
 Selected by Department Chair to serve on committee meeting weekly to diversify the department and the geosciences as whole, improve the experiences and retention of department members from underrepresented backgrounds, and to coordinate inclusive departmental activities (climate surveys, reading groups, workshops, and community outreach). Drafted and won faculty approval for a Fieldwork Code of Conduct, to be used on all future EPS-sponsored field trips and fieldwork.
- 2022 **Fieldwork Working Group**, Founder and Coordinator.
 Created and led an IDEA Committee working group to promote safety, inclusivity, and access in the field. Convened a team that is implementing a post-trip survey to assess whether the Field Code of Conduct was followed, the coordination of regular Wilderness First Aid training for EPS, a departmental field gear closet, and a standardized pre-departure preparation packet for trip leaders.
- 2021 **Unlearning Racism in the Geosciences (URGE)**, Pod Leader.
 Coordinated implementation of NSF-funded anti-racism education and advocacy program in the Earth & Planetary Sciences Department at Yale. Organized biweekly meetings and completion of policy deliverables. Worked with department leadership to implement positive policy changes promoting racial equity in EPS.
- 2019–2020 **Department of Geosciences Diversity Committee**, Graduate Student Liaison.
 Advocated for improving the experiences of current and future Geosciences graduate students, addressing issues surrounding recruitment, advising, gender, and discrimination to promote a more diverse and inclusive department. Proposed concrete solutions to Chair, Director of Graduate Studies, and Diversity Committee. Assisted in development of a Fieldwork Code of Conduct.
- 2016–2019 **Princeton Women in Geosciences**, Leadership Team.
 Assisted in planning activities for the Department of Geosciences: mentorship program and social events for the women of the department; early career dinner discussions with visiting colloquium speakers for all grad students and postdocs; workshops on work-life balance and implicit bias for the entire department.
- 2016–2019 **Forbes College, Princeton University**, Resident Graduate Student.

Mentored 30 first-year students per year through their freshman year at Princeton, providing study breaks and advice. Assisted in planning and executing college-wide events such as theme dinners, movie nights, and study breaks to encourage community building.

- 2013–2019 **Princeton Environmental Institute Summer Internship Program**, Research Mentor.
Supervised an undergraduate Geosciences major for 8-week internships each summer, teaching field and laboratory skills, explaining scientific concepts, and discussing research and career paths in Geosciences.
- 2017 **GeoGrad 2017 Alumni Field Trip**, Student Representative.
Chosen by the Department of Geosciences to attend and assist with weeklong field trip through Washington, Idaho, and Montana for Geosciences Graduate Alumni. Presented my ongoing research in the area, shared experiences as current graduate student in the department, and suggested ways alumni donations could benefit graduate students.
- 2012 **Yale College Admissions**, STEM Likely Recruiter and Senior Interviewer.
Undergraduate liaison between admitted students interested in Geology & Geophysics and the admissions department. Answered questions about Yale and encouraged students to study science at the university. One of 12 seniors selected to interview high school applicants for admission; evaluated 58 candidates.
- 2009–2011 **Demos**, Volunteer.
Conducted weekly science experiments and lessons in elementary school classrooms in New Haven.

PEER REVIEWER

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| – <i>Nature Geoscience</i> | – <i>Earth-Science Reviews</i> | – <i>Communications Earth & Environment</i> |
| – <i>Science Advances</i> | – <i>Precambrian Research</i> | – <i>NSF Petrology & Geochemistry</i> |
| – <i>Earth and Planetary Science Letters</i> | – <i>Paleoceanography and Paleoclimatology</i> | – <i>NSF Ocean Sciences</i> |
| – <i>Geology</i> | – <i>Geophysical Research Letters</i> | |
| – <i>GSA Bulletin</i> | – <i>Elements</i> | |

PRESS

- 09/28/2023 [Wired](#), comment for “An Epic Fight Over What Really Killed the Dinosaurs”
- 08/16/2023 [Ars Technica](#), Kasbohm et al. 2023 covered in “Early plate tectonics was surprisingly speedy”
- 05/02/2022 [ScienceNews](#), comment for “Ancient zircons may record the dawn of plate tectonics.”
- 03/21/2022 [Eos.org](#), comment for “The surprising greenhouse gas that caused volcanic summer.”

WORKSHOPS ATTENDED

- 2021 **Yale Scientific Teaching Course**, Poorvu Center for Teaching and Learning.
Selected to participate in semester-long seminar on the theory and practice of scientific teaching, including active learning, effective assessment, and inclusive teaching.
- 2021 **EarthRates ’20-’21 All Hands Meeting**, Virtual.
Participant in NSF RCN-sponsored brainstorming sessions to implement a geochronology-focused research coordination network, improve communication and collaboration between geochronology and other disciplines, and broaden participation in geochronology by promoting justice, diversity, equity, and inclusion.
- 2020 **Preparing for an Academic Career**, Earth Educator Rendezvous.
Participant in workshop exploring different academic career paths in the geosciences.
- 2019 **Agouon Institute Advanced Geobiology Field School**, Italy.
One of 12 early career scientists selected to participate in a research and field-based learning trip through Abruzzo and the Umbria-Marche regions. Measured stratigraphic sections and collected carbonate samples for mercury analysis across the Miocene Climate Optimum.

MEMBERSHIPS

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| 2015– American Geophysical Union | 2012– Geological Society of America |
| 2013– Phi Beta Kappa | 2020–2023 National Association of Geoscience Teachers |

SKILLS

- **Methodology:** Thermal Ionization Mass Spectrometry of U-Pb in zircon using chemical abrasion and isotope dilution, mineral separation, Paleomagnetic analysis using super-conducting magnetometer, $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ stable isotope analysis.
- **Additional Language Proficiency:** Advanced Spanish
- **Certifications:** Wilderness First Aid (2022)
- **Taekwondo:** Third Degree Black Belt (2009), Second Degree Black Belt (2005), First Degree Black Belt (2003), Yale Club Team Captain (2010-2012)