Craig R. Martin

University of Texas at Austin

University of Texas at Austin
Department of Earth and Planetary Sciences (EPS)
Jackson School of Geosciences
2275 Speedway Stop C9000
Austin, TX 78712

e-mail: craig.martin@jsg.utexas.edu
crm7@mit.edu

EDUCATION

Massachusetts Institute of Technology, Ph.D.	Geology	2017 – 2023
Thesis title: Tectonostratigraphy of the Shyok Suture Zone in Ladakh, NW India. Advisor: Oliver Jagoutz		
University of St Andrews, B.Sc. (Hons), First Class	Geology	2013 - 2017

PROFESSIONAL APPOINTMENTS

Assistant Professor, Dept. of Earth and Planetary Sciences, University of Texas 2023 – present

FELLOWSHIPS AND AWARDS

Outstanding Student Presentation Award	American Geophysical Union (AGU)	2021
Best Newcomer Award	Magnetic Interactions 2021 Meeting	2021
Excellence in Teaching Award	Department of Earth, Atmospheric, and Planetary Sciences, MIT	2020
Praecis Presidential Fellowship	MIT (awarded for research and tuition support)	2017
Shrock Fellowship	MIT (awarded for research and tuition support)	2017
Hertz Foundation Fellowship Finalist	Frannie and John Hertz Foundation	2017
Andrew Davidson Award	University of St. Andrews	2017
BP Society of Great Britain Award	British Petroleum Society, University of St. Andrews	2016
BP Field Mapping Prize	British Petroleum, University of St. Andrews	2015
Medal in Astronomy and Astrophysics	University of St. Andrews	2014
Margaret Stewart Prize	University of St. Andrews	2014

PUBLICATIONS

Martin, C.R. and Binzel, R.P., 2021. Ammonia-water freezing as a mechanism for recent cryovolcanism on Pluto. *Icarus*, *356*, p.113763. 2021

Martin, C.R., Jagoutz, O., Upadhyay, R., Royden, L.H., Eddy, M.P., Bailey, E., Nichols, C.I. and Weiss, B.P., 2020. Paleocene latitude of the Kohistan–Ladakh arc indicates multistage India–Eurasia collision. *Proceedings of the National Academy of Sciences*, *117*(47), pp.29487-29494. 2020

Martin, C.R., Jagoutz, O., Upadhyay, R., van Tongeren, J. A., Mueller P. A. and Weiss, B.P., in review. Paleomagnetic constraints on the age of the Shyok Suture Zone. *Manuscript in review in JGR Solid Earth.* in review

Nichols, C.I.O., Weiss, B.P., Eyster, A., **Martin, C.R.**, Maloof, A.C., Greenfield, T., Kelley, N., Zawaski, M., Mojzsis, S.J., Watson E.B., Cherniak. D.J., in prep. Ancient records of Earth's magnetic field from the Isua supracrustal belt, southwest Greenland. Manuscript in Review in *JGR Solid Earth.* — in review

PRESS ARTICLES

Martin, C.R., 2020. Magnetism of Himalayan rocks reveals the mountains' complex tectonic history. *The Conversation. https://theconversation.com/magnetism-of-himalayan-rocks-reveals-the-mountains-complex-tectonic-history-148404* — Nov. 2, 2020

CONFERENCE PRESENTATIONS

Martin, C.R., and Jagoutz, O. Reconstructing the Paleogeography of the Neotethys with Paleomagnetic Data. *2022 The Geological Society - Asian Climate, Tectonics & Biodiversity*. — 2022

Martin, C.R., Jagoutz, O., Upadhyay, R., Mueller, P.A., Weiss, B.P., Paleomagnetic Constraints on the Multi-Stage India-Eurasia Collision. *2021 AGU Fall Meeting* **(invited abstract)**. — 2021

Martin, C.R., Jagoutz, O., Upadhyay, R., Mueller, P.A., Weiss, B.P., Paleomagnetism and Geochronology of the Eurasian Margin in the Shyok Suture Zone. *2021 GSA Annual Meeting.* — 2021

Martin, C.R., Jagoutz, O., Upadhyay, R., Royden, L.H., Eddy, M.P., Bailey, E., Nichols, C.I. and Weiss, B.P., Paleocene latitude of the Kohistan–Ladakh arc indicates multistage India–Eurasia collision. *2021 Magnetic Interactions Annual Meeting.* — 2021

Martin, C.R., Jagoutz, O., Upadhyay, R., Royden, L.H., Eddy, M.P., Bailey, E., Nichols, C.I. and Weiss, B.P., Paleocene latitude of the Kohistan–Ladakh arc indicates multistage India–Eurasia collision. *2020 EGU General Assembly.* — 2020

Martin, C.R., Jagoutz, O., Upadhyay, R., Royden, L.H., Eddy, M.P., Bailey, E., Nichols, C.I. and Weiss, B.P., Paleocene latitude of the Kohistan–Ladakh arc indicates multistage India–Eurasia collision. *2020 AGU Fall Meeting.* — 2020

Martin, C.R., Jagoutz, O., Upadhyay, R., Royden, L.H., Eddy, M.P., Bailey, E., Nichols, C.I. and Weiss, B.P., Paleocene latitude of the Kohistan–Ladakh arc indicates multistage India–Eurasia collision. *2020 GSA Annual Meeting.* — 2020

Martin, C. R., Finch, A.A., Hutchison, W., Whyte, A.J., Lynch, J. and Meakins, M., Magma emplacement and metasomatic processes at the margins of an alkaline intrusion: new insights from the Ilímaussaq intrusion, South Greenland. *2017 EGU General Assembly.* — 2017

TEACHING

Advisor – Kate Przydzial, Undergraduate Researcher	MIT	Summer 2022
Advisor – Zoe Levitt, Undergraduate Researcher	MIT	Summer 2022
Teaching Assistant – Analysis of Geologic Data (12.116)	MIT	Spring 2020
Teaching Assistant – Mojave Desert Field Camp (12.115)	MIT	Jan. 2020
Teaching Assistant – Introduction to Geology (12.001)	MIT	Fall 2019
Advisor – Megan Guenther, Undergraduate Researcher	MIT	Summer 2019
Advisor – Jade Fischer, Undergraduate Researcher	MIT	Summer 2018

SELECTED FIELD EXPERIENCE

Shyok Suture Zone, Ladakh, India – Three field seasons, paleomagnetism, tectonostratigraphy. 2018 – 2022

Mojave Desert, California, USA – Three field camps, teaching field techniques. 2018, 2020

Illímausaq Alkaline Complex, Greenland – One field season, geologic mapping, rare minerals. 2016