Jaime Danielle Barnes
Associate Professor
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Education:

2006 Ph.D. University of New Mexico, Earth and Planetary Sciences
Tectonic and metamorphic implications of high chlorine contents in serpentinites
(Drs. Zachary Sharp and Jane Selverstone, co-advisors)
***graduated with distinction*

2002 M.S. University of New Mexico, Earth and Planetary Sciences
Fluid-mediated strain localization during alpine age strike-slip deformation in the Eastern Alps (Dr. Jane Selverstone, advisor)

2000 B.S. University of Texas at Austin, Geological Sciences
Major- and trace-element zoning as a function of garnet crystallization temperature (Dr. Bill Carlson, advisor)
***Dean's Honored Graduate in the Geological Sciences*

2000 B.A. University of Texas at Austin, Plan II Liberal Arts Honors Program

Professional Experience:

2015-current Associate Professor, Department of Geological Sciences, Jackson School of Geosciences, University of Texas at Austin

2009-2015 Assistant Professor, Department of Geological Sciences, Jackson School of Geosciences, University of Texas at Austin

2006-2009 Post-doctoral researcher, Department of Earth and Planetary Sciences, University of New Mexico
Chlorine cycling along the Central American and Izu-Bonin-Mariana subduction zones: insights from chlorine isotopes
(Drs. Zachary Sharp and Tobias Fischer, co-advisors)

2004-2006 Research Assistant, University of New Mexico

2001-2004 NSF Graduate Student Fellowship, University of New Mexico

2000-2001 Teaching Assistant, University of New Mexico

1999-2000 Undergraduate research assistant, University of Texas at Austin

Research interests: stable isotope geochemistry; volatile cycling; metamorphism and volatile transport in subduction zones; serpentinization; fluid-rock interactions and metasomatism; geochemical cycling; stable chlorine isotopes

Research Grants: ($10.6M total; $2.9M to UT-Austin; does not include internal UT funding)

National Science Foundation (EAR-1850749): Sequestration of halogens in the sub-continental lithospheric mantle: implications for global element cycling. (5/15/19-4/30/22) $350,099 to UT-Austin (**J.D. Barnes** *(P.I.)*, J.C. Lassiter)

National Science Foundation (Geo-PRISMS-1850711): Collaborative Research: Fluid-mobile

element cycling (halogens, boron, lithium) through the forearc of Costa Rica. (5/1/19-4/30/22) $321,406 total; $248,063 to UT-Austin (**J.D. Barnes** *(P.I.)*, J.M. deMoor)

National Science Foundation (EAR-1725110): "Retrograde metamorphism in the Greek Cycladic Islands as a window into exhumation mechanisms of high pressure terranes"; (7/1/17-6/30/20); $334,775 to UT-Austin (**J.D. Barnes** *(P.I.)*, W. Behr, D. Stockli)

National Science Foundation (PIRE-OIA-1545903): "PIRE: ExTerra Field Institute and Research Endeavor (E-FIRE)" (6/1/16-5/31/22) $4,022,940 total; $283,941 to UT-Austin (M. Kohn *(P.I.)*, S. Penniston-Dorland (*co-P.I.*), M. Feineman (*co-P.I.*), **J.D. Barnes**, E. Baxter, G. Bebout, M. Caddick, B. Hacker, F. Klein, H. Marschall, A. Smye)

National Science Foundation (EAR-GeoPrisms-1455432): "Fluid-mobile and volatile element (Cl, B, and Li) cycling through the forearc: Case study of cold and thermal spring geochemistries from the Hikurangi accretionary prism, New Zealand" (1/1/16-12/31/19; one year no cost extension) $228,508 (+ $18,991 NSF-GSP supplement) (**J.D. Barnes** *(P.I.)*, J. Lassiter)

National Science Foundation (FESD-1338842): "Type I. Continent-island arc fluctuations: linking deep Earth dynamics to long-term climate" (9/1/13-8/31/19; one year no cost extension) $4,210,000 total; $486,888 to UT-Austin (C.-T. Lee *(P.I.)*, R. Dasgupta, G. Dickens, J.S. Lackey, A. Lenardic, **J.D. Barnes**, M. Tice, R. Zeebe, T. Schneider)

National Science Foundation (EAR-1301621): "CSEDI: Constraining the mechanisms of melt transport, storage, and crustal contamination from temporal geochemical variations in monogenetic vents") $349,851 (6/1/13-5/31/16) (J. Lassiter *(P.I.)*, **J.D. Barnes**, M. Hesse)

National Science Foundation (EAR-0946686): "Chlorine isotope geochemistry of altered oceanic crust: empirical and experimental observations" (3/15/10-2/28/14; one year no cost extension) $248,857 (**J.D. Barnes** *(P.I.)*, J.E. Gardner)

National Science Foundation (EAR-0711533): "Chlorine Isotope Chemistry of Volcanic Systems" (6/1/07-5/31/10) $138,924 (**J.D. Barnes** *(P.I.)*, Z.D. Sharp, T.P. Fischer)

University of Texas at Austin, Summer Research Assignment (SRA): "Deciphering the Tectonic Setting of Hydrated Oceanic Rocks from the western Alps using Geochemistry" (6/1/13-7/31/13), 2 months summer salary, (**J.D. Barnes** *(P.I.)*)

University of Texas at Austin, Summer Research Assignment (SRA): "Hydrothermally altered oceanic crust and the global chlorine cycle" (6/1/10-7/31/10), 2 months summer salary, (**J.D. Barnes** *(P.I.)*)

Awards and Fellowships:

NSF GeoPRISMS Distinguished Lecturer (2018-2019)

Faculty Annual Evaluation Award (Assistant Professor level; Dept. of Geol. Sci.) (2015)

American Geophysical Union Editors' Citation for Excellence in Refereeing for *Geochemistry, Geophysics, Geosystems* (2014)

Jackson School of Geosciences Outstanding Educator Award (2013)

Society for Teaching Excellence (University of Texas at Austin) (2011- current), member

G. Moses and Carolyn G. Knebel Distinguished Teaching Award (Dept. of Geol. Sci.) (2010; 2016)

GSA Subaru Outstanding Woman in Science Award from the Geological Society of America (2009): awarded to a woman within 3 years of having received a Ph.D. who has *"impacted the field of geosciences in a major way based on [her] Ph.D. research"*

L'Oréal USA For Women in Science Fellowship (administered by the American Association for the Advancement of Science on behalf of L'Oréal) (2007-2008)
***award highlighted in "UNM Researcher's Published Work in Geochemistry Blazes Trail for Female Scientists" Albuquerque Journal, April 27, 2007*
National Science Foundation Graduate Student Fellowship (2001-2004)
Sigma Xi "Excellence in Graduate Research" Award from the University of New Mexico Sigma Xi chapter (2006)
Best Doctoral Candidate from the Department of Earth and Planetary Sciences, University of New Mexico (2006)
V.C. Kelly Outstanding Doctoral Candidate Scholarship from the University of New Mexico (2005)
Association for Women in Science (AWIS) Educational Foundation Gail Naughton predoctoral award (2005)
Association for Women Geoscientists (Denver Chapter) Outstanding Geoscience Student Award (2002; 2003)

Invited Lectures:
2020: Texas Tech; University of Alaska-Anchorage
2019: University of Maine; Winona State University; Wesleyan University; University of Utah; Utah State University; University of Nevada-Reno; Rowan University
2018: University of Southern California; Northwestern University
2017: Boston College; University of Delaware; Scripps Oceanographic Institute
2016: Baylor University; University of Saskatchewan; University of Texas at San Antonio
2015: University of Louisiana-Lafayette; Colorado State University
2013: Northern Illinois University; ExTerra Workshop (Florence, Italy)
2011: Yale University; GeoPRISMS Implementation Workshop: Subduction Cycles and Deformation
2009: University of Texas at Arlington; University of New Mexico
2008: University of Houston; University of California, Berkeley; Rensselaer Polytechnic Institute; Tufts University; University of Texas at Austin
2007: Central Washington University; New Mexico Tech
2006: Kansas State University; University of Maine; Rice University

Professional Societies:
Member: Geological Society of America, Mineralogical Society of America, American Geophysical Union

Professional service:
<u>Departmental/School</u>
LDE (Lithosphere and Deep Earth) program leader (Summer 2018-current)
co-Director, Undergraduate Honors Research Program (Fall 2014-current)
Assistant Graduate Advisor, Dept. of Geological Sciences (2012-current)
Plan II Sophomore Advising Program, faculty advisor (2014 – current)
GSC ad hoc Membership Review Committee (Spring 2019)
GSC ad hoc special committee (Spring 2018 – Spring 2019)
Member, search committee for Structural Geology Chair position, Department of Geological Sciences (Fall 2017- Spring 2018)

LDE (Lithosphere and Deep Earth) PBIS coordinator (Fall 2017)
LDE (Lithosphere and Deep Earth) Knowledge and Skills Matrix evaluation committee (Fall 2017- Spring 2018)
Member, Tenure review committee for W. Behr (Spring 2017 – Fall 2017)
Member, LDE faculty evaluation committee (Spring 2017)
Member, ad hoc IDC and technical staff support evaluation committee (Spring 2017)
Member, UT faculty panel for *Is Grad School For Me?*, sponsored by the Graduate Coordinator Network (Fall 2017)
Member, ad hoc committee on strategic planning for the MS and MA degrees (Fall 2015-Spring 2016)
Member, evaluation committee for the Jackson School of Geosciences Dean (Spring 2015)
Member, search committee for Petrology Professor, Department of Geological Sciences (2013-2014; 2014-2015)
Member, SE&TP (Solid Earth and Tectonic Processes) Theme Ad-Hoc Executive Committee (2012-current)
Member, MG&G (Marine Geology and Geophysics) Theme Ad-Hoc Executive Committee (2013-current)
Member, Undergraduate Curriculum Committee, Department of Geological Sciences (2009-current)
Chair, ad hoc Student Grievance Committee (Fall 2014)
Member, ad hoc committee on Ph.D. candidacy for the GSC (Fall 2012)
Undergraduate Faculty Mentor, Dept. of Geological Sciences (Spring 2013)
Member, Departmental Seminar Series Committee, Department of Geological Sciences (2010-2011)
Member, Undergraduate SACS (Southern Accreditation of Colleges and Schools) Committee, Department of Geological Sciences (2010-2011)
Member, search committee for Structural Geology and Tectonics Professor, Department of Geological Sciences (2010-2011)
Member, search committee for MC-ICP-MS Laboratory Manager, Department of Geological Sciences (2009-2010)

National:
L'Oréal USA For Women in Science Fellowship reviewer (administered by the American Association for the Advancement of Science on behalf of L'Oréal)
Member, National Science Foundation (EAR) Petrology and Geochemistry Review Panel
Member, National Science Foundation (OCE) Marine Geology and Geophysics Review Panel
Member, National Science Foundation GeoPrisms Review Panel

International:
Reviewer for Nature Geoscience, Geology, American Journal of Science, Earth and Planetary Science Letters, Geochimica et Cosmochimica Acta, Chemical Geology, Geochemistry Geophysics Geosystems, Lithos, American Mineralogist, Contributions to Mineralogy and Petrology, Journal of Metamorphic Petrology, Journal of Petrology, Journal of Geophysical Research - Solid Earth, Bulletin of Volcanology Geochemical News, Geological Journal, International Journal of Mass Spectrometry, Journal of Analytical

Atomic Spectrometry, Isotopes in Environmental and Health Studies, National Science Foundation (EAR- Petrology and Geochemistry), National Science Foundation (EAR-Tectonics), National Science Foundation (EAR- Post-doctoral fellowship program), National Science Foundation (EAR- Instrumentation & Facilities), National Science Foundation (OCE- Ocean Drilling Program), National Science Foundation (OCE-Marine Geology & Geophysics); Swiss National Science Foundation

Professional activities:

Participant, GeoPRISMS Synthesis & Integration Theoretical and Experimental Institute (Spring 2019)

Speaker for the AWG (Association of Women Geologists) Distinguished Lecturer Program (2012-current)

Invited speaker, 2016 Mineralogical Society of America and Geochemical Society Short Course: Measurements, Theories and applications of non-traditional stable isotopes (Fall 2016)

Participant, GeoPRISMS Theoretical and Experimental Institute on Subduction Cycles and Deformation (Fall 2015)

Co-convener of the session "Volatile distribution and cycling in the mantle" at American Geophysical Union (Fall 2015)

Co-convener of the session "Volatile cycles and volatile-rich magmas in the deep Earth" at the Goldschmidt conference (Summer 2015)

Participant, Tectonic Fluxes of Carbon DCO (Deep Carbon Observatory) Workshop (Fall 2013)

Pre-Conference excursion co-leader: "From passive margins to orogens: the link between Zones of Exhumed Subcontinental Mantle and (U)HP metamorphism," 10th International Eclogite Conference, Courmayeur, Aosta, Italy (September 2-3, 2013)

Participant, ExTerra Workshop, Summer 2013, Florence, Italy, (Summer 2013)

Participant, NSF- GeoPRISMS Planning Workshop for the New Zealand Primary Site (Spring 2013)

Participant, ExTerra: "Understanding convergent margin processes through studies of exhumed terranes," GeoPRISMS mini-workshop (Fall 2011)

Co-convener of the session "The Role of Island and Continental Arcs in Continent Formation" at the Goldschmidt conference (Summer 2011)

Participant and Invited Speaker, GeoPRISMS Implementation Workshop: Subduction Cycles and Deformation (Spring 2011)

Participant, NSF-MARGINS Successor Program Planning Meeting (Spring 2010)

Participant, NSF-MARGINS Theoretical and Experimental Institute (TEI), "Volatiles in the Subduction Factory" (Fall 2009)

Participant, Joint NSF-MARGINS and IFREE Workshop, "Subduction Factory Studies in the Izu-Bonin-Mariana Arc System: Results and Future Plans" (Fall 2007)

Participant, Joint NSF-MARGINS and German SFB-574 Workshop, "Workshop to Integrate Subduction Factory and Seismogenic Zone Studies in Central America" (Summer 2007)

Synergistic activities:

Speaker for the UT Undergraduate American Chemical Society chapter (Spring 2019)

GeoForce Instructor for the 10th Grade Academy, Grand Canyon, June 1 – 7, 2019

GeoForce Instructor for the 10th Grade Academy, Grand Canyon, June 2 – 8, 2018

GeoForce Instructor for the 10th Grade Academy, Grand Canyon, June 3 – 9, 2017
GeoForce Instructor for the 10th Grade Academy, Grand Canyon, June 4 – 11, 2016
Faculty Advisor for the University of Texas at Austin Student Chapter of the Geothermal Research Council (2016 – 2018)
Speaker for Undergraduate Geological Society and Geoscience Leadership Organization of Women (Spring 2016)
Speaker for the Austin Geological Society (Fall 2014)
GeoForce Instructor for the 10th Grade Academy, Austin and Port Aransas, July 27 - Aug 1, 2014
GeoForce Instructor for the 11th Grade Young Geoscientists, Austin area, June 12-14, 2013
GeoForce Instructor for the 11th Grade Young Geoscientists, Austin area, June 15-17, 2012
Faculty Advisor for Jackson School of Geosciences' Geoscience Leadership Organization of Women (GLOW) (2012 – 2014). GLOW is an outreach organization designed to promote leadership development and sense of community through public outreach. Of particular interest is outreach to young women to encourage their interests in science through positive educational interactions. GLOW participates in multiple outreach activities each year.
Organize and present hand-on geology activities to 120 6th grade girls from the Ann Richards School for Young Women Leaders (Spring 2011)
Invited panelist for "Publishing in the Geosciences" sponsored by the Earth Science Women's Network (ESWN) Leadership Board at the annual American Geophysical Union meeting (Fall 2010)
Invited lead article on balancing family and life in academia for Gaea (publication of the Association for Women Geoscientists, AWG) (Spring 2010)
Barnes, J.D., 2010, New Year, New Beginnings: Balancing the Roles of a New Assistant Professor, Dual-Career Spouse, and New Mom, Gaea, 33, pgs. 1, 12-13.
Speaker for the GSA Women in Geology Mentor Program (Fall 2009)
Invited GSA delegate ("good will ambassador") to the Y.E.S. (Young Earth Scientists) Congress in Beijing, China (Fall 2009- declined due to commitment issues)
Special Judge for INTEL International Science Fair, 2007 (hosted in Albuquerque, NM)
Lecture to New Mexico Women's Chemist Committee (Spring 2008)
Role model for Young Women's Science Institute at Wittenberg University (program for gifted middle school girls to help inspire and encourage them in the area of math and science) (Summer 2007)
NASA SHARP minority high school student mentor

Courses:

<u>Geology 401: Physical Geology</u>

Fall 2009	130 students	4.7 out of 5.0, overall instructor rating
Fall 2010	128 students	4.1 out of 5.0, overall instructor rating
(MWF section, co-taught w/ Breecker)		
Fall 2010	124 students	4.4 out of 5.0, overall instructor rating
(TTh section, co-taught w/ Breecker)		
Fall 2011	134 students	4.6 out of 5.0, overall instructor rating
Fall 2012	111 students	4.5 out of 5.0, overall instructor rating
Fall 2013	132 students	4.4 out of 5.0, overall instructor rating
Fall 2014	112 students	4.6 out of 5.0, overall instructor rating

Fall 2015	150 students	4.3 out of 5.0, overall instructor rating
Fall 2016	152 students	4.4 out of 5.0, overall instructor rating
Fall 2017	140 students	4.6 out of 5.0, overall instructor rating
Fall 2018	139 students	4.6 out of 5.0, overall instructor rating
Fall 2019		

Geology 388L and 376C*: Isotope Geology

*co-listed starting Fall 2013; carries a writing flag

Fall 2010 (*co-taught w/ Ketcham*)	12 students	4.6 out of 5.0, overall instructor rating
Fall 2011 (*co-taught w/ Ketcham*)	11 students	4.3 out of 5.0, overall instructor rating
Fall 2012 (*co-taught w/ Ketcham*)	7 students	4.6 out of 5.0, overall instructor rating
Fall 2013 (*co-taught w/ Ketcham*)	13 students	4.4 out of 5.0, overall instructor rating
Fall 2014 (*co-taught w/ Ketcham*)	8 students	4.6 out of 5.0, overall instructor rating
Fall 2015 (*co-taught w/ Ketcham*)	9 students	4.8 out of 5.0, overall instructor rating
Fall 2016 (*co-taught w/ Ketcham*)	15 students	4.3 out of 5.0, overall instructor rating
Fall 2018 (*co-taught w/ Ketcham*)	21 students	4.5/4.6 out of 5.0, overall instructor rating
Fall 2019 (*co-taught w/ Ketcham*)		

Geology 391N and 371C: The In's and Out's of Subduction Zones

Spring 2012	11 students	4.4 out of 5.0, overall instructor rating
Spring 2014	9 students	4.6 out of 5.0, overall instructor rating
Spring 2016	11 students	4.9 out of 5.0, overall instructor rating
Spring 2018	11 students	5.0 out of 5.0, overall instructor rating

Geology 171H, 172H, 173H, 379H: Undergraduate Research Honors Program

Fall 2014 (*co-taught w/ Cloos*)	20 students
Spring 2015 (*co-taught w/ Cloos*)	18 students
Fall 2015 (*co-taught w/ Cloos*)	17 students
Spring 2016 (*co-taught w/ Cloos*)	17 students
Fall 2016 (*co-taught w/ Cloos*)	20 students
Spring 2017 (*co-taught w/ Cloos*)	17 students
Fall 2017 (*co-taught w/ Cloos*)	20 students
Spring 2018 (*co-taught w/ Cloos*)	19 students
Fall 2018 (*co-taught w/ Cloos*)	19 students
Spring 2019 (*co-taught w/ Cloos*)	20 students
Fall 2019 (*co-taught w/ Cloos*)	

TC 302: Forensic Geology (Plan II course)

Spring 2020 (*co-taught w/ Breecker*)

Geology 660B: Field Course

Summer 2018 (one week, Rock Springs, Wyoming) 28 students

Chemistry 475K: Independent Study: Introduction to Geochemistry

Spring 2011 1 student (3 hours of one-on-one lecture/discussion a week)
(capstone course for undergraduate chemistry degree for student)

Teaching Development and Training/Service:

Participant, Summit on the Future of Undergraduate Education (NSF sponsored workshop) (Spring 2014)

Reviewer for Pearson Education ("Essentials of Geology", 11th edition, by Lutgens, Tarbuck, and Tasa), Spring 2012

Accuracy check for textbook animations for Pearson Education/Prentice Hall Publishers ("How Does Earth Work?" by Smith and Pun, 2nd edition), Summer 2010

Reviewer for Pearson Education/Prentice Hall Publishers ("How Does Earth Work?" by Smith and Pun, 2nd edition), Spring 2010

Participant, "Interactive Techniques for Large Classes," hosted by DIIA (Division of Instructional Innovation and Assessment), University of Texas at Austin, Fall 2009

Undergraduate Students:

Hannah Anderson (JSG Honors Student, B.S., Spring 2019, co-advised by M.Cloos; now in the M.S. program at Univ of Houston)
"Apatites of the Ertsberg-Grasberg Mining District: Implications for Cl and S content of Copper Ore Forming Magmas" (B.S. thesis)

Preston Fussee-Durham (undergraduate laboratory assistant Fall 2015 to Summer 2017)

Cody Draper (JSG Honors Student, B.S., Spring 2017; now in the M.S. program at University of Texas at Austin)
"Oxygen Isotope, Major and Trace Element Compositional Zoning in Garnet from the Sidewinder and Whitehorse Skarns, California" (B.S. thesis)

Natalie Raia (JSG Honors Student; B.S., Fall 2016; now in Ph.D. program at Univ of Minnesota)
"Tectonic Origin of Serpentinites on Syros, Greece: Geochemical Signatures of Seafloor Serpentinization in a HP/LT Subduction Complex" (B.S. thesis)

Rebecca deGraffenried (independent research project; undergraduate laboratory assistant Spring 2014 to Spring 2015; now in Ph.D. program at Univ. of Hawaii)

Timothy Prather (JSG Honors Student, B.S., Fall 2013; now at Anadarko)
"Chlorine and hydrogen isotope geochemistry of obsidian glasses: behavior during volcanic degassing at Mono Craters, CA" (B.S. thesis)

Rania Eldam (JSG Honors Student, B.S., Fall 2013; now in PhD program at Colorado School of Mines)
"Serpentinite Petrogenesis in the Franciscan Complex/Coast Range Ophiolite, northern California" (B.S. thesis)
**won Outstanding Student Paper Award at AGU 2012 for her oral presentation*
**recipient of an NSF Graduate Research Fellowship*

Christopher Cacciatore (undergraduate laboratory assistant Spring 2013 to Spring 2014; now at Upswing Retention)
**recipient of an NSF Graduate Research Fellowship*

Nicholas Benz (undergraduate laboratory assistant Spring 2012 to Summer 2013; now in PhD program at Univ. of Missouri)

Graduate Students:

<u>Current students:</u>

Grace Beaudoin (Ph.D., in progress since Fall 2016)

**awarded Jackson School of Geoscience Recruiting Fellowship (2016-2017)*
**awarded Geological Society of America Graduate Student Research Grant (2017)*
**awarded ExxonMobil special recognition Geological Society of America Graduate Student Research Grant (2018)*

Evan Ramos (Ph.D., in progress since Summer 2017, co-advised by D. Breecker; M.S., Spring 2017, co-advised by M. Hesse)
"Fluid flow during low-$\delta^{18}O$ skarn formation: insights from Empire Mountain, Mineral King, Sierra Nevada" (M.S. thesis)
**awarded Geological Society of America Graduate Student Research Grant (2019)*
**awarded ExxonMobil special recognition Geological Society of America Graduate Student Research Grant (2016)*
**awarded University of Texas at Austin Diversity Mentoring Fellowship (2015-2016)*

Past students:

Alexandra Holmes (Ph.D., candidate in residence from 2018-2019; left for medical school, co-advised by J. Lassiter)
**awarded Jackson School of Geoscience Recruiting Fellowship (2017-2018)*

Michelle Gevedon (Ph.D. Fall 2018, co-advised by J.S. Lackey, now a post-doc at SMU)
"On the Timing, Fluid Sources, and Behavior of Skarn Formation: Lessons from Oxygen Isotopes in Skarn Garnets of the North American Mesozoic Cordilleran Arc" (PhD dissertation)
**awarded Geological Society of America Graduate Student Research Grant (2015)*
**awarded University of Texas at Austin Summer Fellowship (2018)*

Miguel Cisneros (Ph.D., Fall 2018; M.S., Summer 2013, now a post-doc at ETH-Zurich)
"Constraining the exhumation history of high-pressure subduction zone rocks: insights from the Cycladic islands, Greece and the application of novel thermobarometry techniques" (PhD dissertation)
"Chlorine Chemistry of Altered Oceanic Crust: Empirical and Experimental Results" (M.S. thesis)
**awarded Ford Foundation Predoctoral Fellowship*
**awarded University of Texas at Austin Diversity Mentoring Fellowship (2011-2012)*
**awarded Geological Society of America Graduate Student Research Grant (2017)*
**awarded Geological Society of America MGPV Division Research Grant (2017)*

Jeffrey Cullen (Ph.D. Summer 2018, co-advised by S. Hurwitz; M.S., Summer 2013; now the stable isotope lab manager at UT-Austin)
"Fluid-Rhyolite Interaction in the Yellowstone Hydrothermal System: Experimental Constraints and Insights from Cl, Li and B Isotopes" (Ph.D. dissertation)
"Halogen chemistry and stable chlorine isotope composition of thermal springs and arc lavas in the Cascade arc" (M.S. thesis)
**awarded an NSF Graduate Student Preparedness (GSP) internship at the USGS (2016)*
**awarded Geothermal Resources Council Graduate Scholarship Award (2016)*
**awarded Geological Society of America Graduate Student Research Grant (2015; 2016)*

Edward Marshall (Ph.D. Spring 2018, co-advised by J. Lassiter; now post-doc at Univ of Iceland)
"Navajo Volcanic Field xenoliths Colorado Plateau: a window into subduction processes from the Proterozoic to the present" (Ph.D. dissertation)

**awarded Geological Society of America Graduate Student Research Grant (2013; 2015)*

Dana Drew (Ph.D. candidate in residence from 2015-2016; left for position at Lawrence Livermore National Lab)

**awarded Society of Economic Geologists Foundation Student Research Grant (2016)*

**awarded Geological Society of America Graduate Student Research Grant (2016)*

**awarded Jackson School of Geoscience Recruiting Fellowship (2015-2016)*

Jessica Errico (M.S., Summer 2012, now at BHP Billiton)

"Oxygen isotope evidence for retrogression of Franciscan high-grade blueschists and eclogites by sediment-derived fluids" (M.S. thesis)

Post-doctoral advisees:

Michelle Gevedon (Spring and Summer 2019, now a post-doc at SMU)

Graduate Student Committee Member:

Rachel Ruthven (Ph.D., in progress), Advisor: R. Ketcham
Eirini Poulaki (Ph.D., in progress), Advisor: D. Stockli
Andrew Gase (Ph.D., in progress), Advisors: N. Bangs and H. van Avendonk
Daniel Villanueva (Ph.D., in progress), Advisor: J. Lassiter
Kelly Olsen (Ph.D., in progress), Advisor: N. Bangs
Brooklyn Gose (Ph.D., in progress), Advisor: N. Bangs
Alissa Kotowski (Ph.D., in progress), Advisors: W. Behr and D. Stockli

Yinging Wang (M.S., Spring 2019), Advisor: J. Gardner
Rachel Bernard (Ph.D., Summer 2018), Advisor: W. Behr
Owen Callahan (Ph.D., Summer 2018), Advisors: P. Eichhubl
Jonathan Major (Ph.D., Summer 2018), Advisor: P. Eichhubl
Leslie Bruce (M.S., Summer 2017), Advisor: J. Lassiter
Jacob Jordan (Ph.D., Summer 2017), Advisor: M. Hesse
Emily H.G. Cooperdock (Ph.D., Summer 2017), Advisor: D. Stockli
Spencer Seman (Ph.D., Fall 2016), Advisor: D. Stockli
Ruohan Gao (Ph.D., Spring 2016), Advisor: J. Lassiter
Rudra Chatterjee (Ph.D., Spring 2016), Advisor: J. Lassiter
Marina Frederik (Ph.D., Spring 2016), Advisors: S. Gulick and J. Austin
Kiran Sathaye (Ph.D., Spring 2016), Advisor: M. Hesse (rotated off in the last semester due to unavoidable logistical issues)
Daniel Eakin (Ph.D., Fall 2014), Advisor: K. McIntosh and L. Lavier
Ryan Lester (Ph.D., Spring 2013), Advisor: K. McIntosh and L. Lavier
Shannon Cavanaugh (M.S., Summer 2012), Advisors: N. Bangs and K. McIntosh
Karen Black (M.S., Spring 2012), Advisor: E. Catlos
Scott Hoag (M.S., Spring 2012), Advisor: M. Cloos
Guangjian "Cecilia" Xu (M.S., Spring 2012), Advisors: P. Eichhubl and S. Laubach

Undergraduate Student Committee Member:

Danny Anderson (Undergraduate Senior Honors Thesis; 2018), Advisor: J. Lassiter

Gabrielle Ramirez (Undergraduate Senior Honors Thesis; 2015), Advisor: J. Lassiter
Colin Sturrock (Undergraduate Senior Honors Thesis; 2015), Advisor: E. Catlos
Pamela Speciale (Undergraduate Senior Honors Thesis, 2013), Advisor: E. Catlos
Kathryn Dianiska (Undergraduate Senior Honors Thesis, 2012), Advisor: M. Cloos
Elizabeth Block (Undergraduate Senior Honors Thesis, 2011), Advisor: R. Kyle
Casey Corbin (Undergraduate Senior Honors Thesis, 2010), Advisor: W.D. Carlson

Examining Member:

Alison Tune (Ph.D.), Advisors: D. Rempe and P. Bennett (Spring 2018)
Carolyn Tewksbury-Christle (Ph.D.), Advisor: W. Behr (Fall 2017)
Stephen Ferencz (Ph.D.), Advisor: B. Cardenas (Spring 2017)
Luciano Correa (Ph.D.), Advisor: W. Fisher (Spring 2015-Spring 2016)
Brent Jackson (Ph.D.), Advisor: J. Gardner (Spring 2015)
Elliott Dahl (Ph.D.), Advisor: K. Spikes (Spring 2015)
Kai Wang (Ph.D.), Advisor: R. Dickinson (Spring 2012)
Veronica Anderson (Ph.D.), Advisors: T. Shanahan and B. Horton (Spring 2012)
William Parker (Ph.D.), Advisor: T. Rowe (Spring 2010)