

CURRICULUM VITAE
LISA HAMMERSLEY

Dean, College of Natural Sciences and Mathematics
California State University, Sacramento
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EDUCATION

2003	Ph.D. Geology, University of California, Berkeley
1995	B.Sc. Hon. Geology, University of Birmingham, U.K.

POSITIONS HELD

Administrative

Jan 2021 – present	Dean, College of Natural Sciences and Mathematics
Aug 2019 – Dec 2020	Interim Dean, College of Natural Sciences and Mathematics
Aug 2017 – Aug 2019	Associate Dean, College of Natural Sciences and Mathematics
Jan 2017-Aug 2017	Interim Associate Dean, College of Natural Sciences and Mathematics
Aug 2016-Dec 2017	Faculty Fellow, College of Natural Sciences and Mathematics
2013-2023	Lead Project Director, CSU-LSAMP
2010-2013	Associate Project Director, CSU-LSAMP

Academic

2013-present	Professor of Geology, California State University, Sacramento
2009-2013	Associate Professor of Geology, California State University, Sacramento
2003-2009	Assistant Professor of Geology, California State University, Sacramento

GRANTS AWARDED (TOTAL = \$\$27,158,706)

- 2024-29: Co-PI. NSF EES 2308501. Louis Stokes STEM Pathways and Research Alliance (CSU-LSAMP). \$2,500,000.
- 2020-24: CO-PI. NSF DUE 1953752. Achieving STEM Persistence through Peer Assisted Learning and Leadership Development. \$1,814,649.
- 2019-21: PI. NSF HRD 1905148. LSAMP BD: California State University, Fresno, CSU-LSAMP BD Cohort 16. \$1,075,000.
- 2019-23: Co-PI. CSU STEM VISTA. California State University Chancellor's Office
- 2018-23: Co-PI* & Lead Project Director. NSF HRD 1826490. Louis Stokes STEM Pathways and Research Alliance (CSU-LSAMP). \$4,000,000.
- 2018-19: PI. NSF HRD 1807387. LSAMP BD: California State University, Los Angeles: CSU-LSAMP-BD Cohort 15. \$1,075,000.
- 2017-18: PI. NSF HRD 1700556. Bridge to the Doctorate at California State University, Los Angeles: CSU-LSAMP-BD Cohort 14. \$1,075,000.

- 2017-2021: PI. CIRM EDUC2-08390. Strengthening the Pipeline of Master’s-level Scientific and Laboratory Personnel in Stem Cell Research. \$2,495,000.
- 2016-18: PI. NSF HRD 1602210. Bridge to the Doctorate at California State University, Los Angeles: CSU-LSAMP-BD Cohort 13. \$1,075,000.
- 2015-2017: PI. NSF HRD 1463889. 2015 CSU-LSMAP Bridge to the Doctorate at California State University, Los Angeles. \$987,000.
- 2014-2016: PI. NSF HRD 1363399. 2014 CSU-LSAMP Bridge to the Doctorate at California State University, Los Angeles. \$987,000.
- 2013-2018: Co-PI* & Lead Project Director. NSF HRD 1302873. California State University Louis Stokes Alliance for Minority Participation (CSU-LSAMP) Senior Alliance (2013-1018). \$4,000,000.
- 2013-2016: Co-PI. NSF EAR 1250323. Collaborative Research: Recharge, Mixing, and Eruption Triggering Mechanisms at Chaos Crags and the 1915 Eruptions, Lassen Volcanic Center, California. \$235,984.
- 2012-2014: PI. NSF HRD 1246662. 2012 CSU-LSAMP Bridge to the Doctorate at California State University, Los Angeles. \$987,000.
- 2011-2013: Co-PI. NSF HRD 0802628. *California State University Louis Stokes Alliance for Minority Participation (CSU-LSAMP) Senior Alliance - Senior Level Alliance*. \$4,052,481.
- 2009-10: Research and Creative Activities award for project titled “*Source characterization of Portezuelo Artifacts*”
- 2007-08: Research and Creative Activities award for project titled “*Source characterization of the Teotihuacan Grinding Tools*”
- 2005-08: PI. NSF OEDG 0503375. *Place-Based Geology Courses for Hispanic Undergraduates*. \$99,592.
- 2005-06: Pedagogy Enhancement Award for project entitled “*Increasing Diversity in the Geosciences: The Geology of Mexico*”.

* *The LSAMP program office requires that the PI on alliance grants be either the President or Provost of the lead institution. As Lead Project Director, I am responsible for writing and submitting all LSAMP proposals.*

HONORS

- 2015: Outstanding Wisdom and Leadership (OWL) Award, Peer and Academic Resource Center.
- 2015-16: California State University, Sacramento, Outstanding Scholarly and Creative Activity Award, College of Natural Science and Math.
- 2014-15: California State University, Sacramento, Outstanding University Service Award, College of Natural Science and Math.
- 2010-11: California State University, Sacramento, Outstanding Teaching Award. College of Natural Science and Math.

SELECTED COMMITTEE SERVICE

University-Level

Spring 2020	IRT Advisory Board
2018 – present	Executive Safety Committee
2017 – present	Student Conduct Hearing Officer

Spring 2017	Intercollegiate Athletics Advisory Committee
2017 – 2019	Academic Information Technology Committee (Provost’s designee)
2016 – 2017	Laboratory Safety Task Force
2016 – 2017	Steering Committee for Next Generation LMS Evaluation & Implementation.
2016-2019	Platinum Analytics Strategic Scheduling Team
2011 – 2017	One World Initiative Organizing Committee (Chair 2011-2015)
2011-2013	Provost’s Advisory Committee on Global Engagement
2011-2012	Executive Committee, Faculty Senate
2004 – 2015	Faculty Senate (Senator and Alternate)

College-Level

2016 – 2019	Curriculum Review Committee
Fall 2016	NSM Academic Council, At large member
2013-2017	NSM Faculty Awards Committee
2005-2010	Academic Council: At large member
2004-2017	NSM Commencement Committee

Department-Level

Fall 2016	Chair, Primary RTP Committee
Fall/Spring 2014	Chair, 2 Geology Hiring Committees
2013-2016	Primary RTP Committee
2004 - 2006	Geology Colloquium Coordinator
2003-2012	Geology Club Faculty Advisor
2003 – 2016	Geology Department Graduate Committee

OTHER EXPERIENCE

March 2024	CASE Professional Fundraising Workshop for Deans and Academic Leaders
Spring 2019	CSU Student Success Analytics Certificate Program
Spring 2019	USC Equity Institute
January 2017	ACE Leadership Academy for Department Chairs
2013-2014	Local Organizing Committee for the Geochemical Society’s 2014 Goldschmidt Conference (Sacramento)
2012-2014	Keck/PKAL STEM Education Effectiveness Framework Project, Chancellor’s Office team
2004-2009	Board of Directors, California Mineral Education Foundation (President 2009 – 2012)
2005-2011	Board of Consulting Editors for the McGraw-Hill Encyclopedia of Science and Technology

PUBLICATIONS

- Barker, D.C., Messier, V., Marcotte, D.E., Hammersley, L., & Quinones-Soto, S., 2023, *Undergraduate Research Experience and Post-graduate Achievement Among Students from Underrepresented Groups in STEM*, Journal for STEM Education Research, doi.org/10.1007/s41979-023-00107-8
- Hammersley, L., DePaolo, D.J., Beate, B., & Deino, A., *Andesite and rhyolite generation in a continental margin volcanic arc with thick continental crust: The Chalupas caldera, Ecuador*. In: *Isotopic Constraints on Earth System Processes*, Geophysical Monograph 273, Ed. Sims, Mahar, & Schrag, 2022, American Geophysical Union.
- Plummer, C., Carlson, D., and Hammersley, L., *Physical Geology (17th Edition)*, McGraw-Hill. January, 2021.
- Banks, J.E., Fresquez, C., Haeger, H., Quinones-Soto, S.E., & Hammersley, L., 2018, *Alliance for Change: Broadening participation in undergraduate research at California State University*, SPUR: Scholarship and Practice of Undergraduate Research, Volume 1, Number 4: Leveraging Undergraduate Research to Foster Diversity and Achieve Equity. 5-11.
- Plummer, C., Carlson, D., and Hammersley, L., *Physical Geology (16th Edition)*, McGraw-Hill. 2018.
- Plummer, C., Carlson, D., and Hammersley, L., *Physical Geology (15th Edition)*, McGraw-Hill. 2015
- Plummer, C., Carlson, D., and Hammersley, L., *Physical Geology (14th Edition)*, McGraw-Hill. 2012.
- Hammersley, L., Levine, R., Cornwell, K., Kusnick, J., & Hausback, B.P., 2012, *The Geology of Mexico: A quantitative evaluation of a course designed to increase the number of Hispanic students participating in the geosciences at California State University, Sacramento*. Journal of Geoscience Education 60, 189-198.
- Carlson, D., Plummer, C. and Hammersley, L., *Physical Geology, Earth Revealed (9th Edition)*, McGraw-Hill. 2010.
- Plummer, C., Carlson, D., and Hammersley, L., *Physical Geology (13th Edition)*, McGraw-Hill. 2009.
- Blatter, D. & Hammersley, L., *Impact of the Orozco Fracture Zone on the central Mexican Volcanic Belt*. Journal of Volcanology and Geothermal Research 197. 65-84.
- Hammersley, L. & DePaolo D. J., 2006, *Isotopic and geophysical constraints on the structure and evolution of the Clear Lake volcanic system*. Journal of Volcanological and Geothermal Research 153, 331-356

ABSTRACTS

- Meyer, S., Hyson, D., & Hammersley, L., *Moving From Crisis to Strategy*, Council of Colleges of Arts and Sciences Annual Meeting, San Diego, CA, November 2023.
- Hammersley, L., *The California State University Louis Stokes Alliance for Minority Participation (CSU-LSAMP): A collaborative, comprehensive approach to broadening participation in STEM*, American Geophysical Union Annual Fall Meeting, San Francisco, CA, December 2016.
- Hammersley, L. & Campos, N., *CSU-LSAMP: Strategies for maintaining a cohesive alliance and maximizing successful outcomes*, Louis Stokes Midwest Center of Excellence Conference, Lisle, IL, October 2016.

- Schmidt, E., Hammersley, L., & Clyne, M.A., *Enclave compositions indicate multiple felsic components at Chaos Crags, Lassen Volcanic National Park, California*, American Geophysical Union Annual Fall Meeting, San Francisco, CA, December 2014.
- Hammersley, L., *The effectiveness of courses developed to recruit and retain minority students in the geology major at Sacramento State*, AGU Annual Fall Meeting, San Francisco, CA, December 2014.
- Hammersley, L., Jefferson, M., & Yamazaki, K., 2014, *The CSU-LSAMP Bridge to the Doctorate program at Cal State LA: A structures approach to student development and advancement to Ph.D.*, Roadmap to Action: LSAMP Principles for Broadening Participation in STEM, Chicago, IL, October 24-26, 2014
- Campos, N. & Hammersley, L., *CSU-LSAMP: Achieving success through combining collective goals and policies with campus-specific elements*. Roadmap to Action: LSAMP Principles for Broadening Participation in STEM conference, Chicago, IL, October 2014.
- Goode, C., & Hammersley, L., *CSU-LSAMP International Research and Global Awareness Program*. Roadmap to Action: LSAMP Principles for Broadening Participation in STEM, Chicago, IL, October 2014.
- Blatter D. L., & Hammersley, L., *New constraints on the subduction of the Orozco fracture zone, Mexico*, Goldschmidt Conference, Sacramento, CA, June 2014.
- Hammersley, L., & Trichur, R., *The One World Initiative: Using global themes to engage the entire campus community in global education*. Association of American Colleges & Universities, Global Learning in College: Asking big questions, engaging urgent challenges, Providence, RI, October 2013.
- Alpers, C.N., Mitchell, V.L., Basta, N.T., Casteel, S.W., Foster, A.L., Blum, A.E., Kim, C.S., Myers, P., Burlak, T.L., and Hammersley, L., *Evaluating the bioavailability, bioaccessibility, mineralogy, and speciation of arsenic in mine waste and soils. Empire Mine low-sulfide gold-quartz vein deposit, Nevada County, California*, U.S. Environmental Protection Agency Hardrock Mining Conference, Denver, CO, April 2012.
- Alpers, C.N., Burlak, T., Foster, A., Hammersley, L., and Petersen, E., *Mineralogy and speciation of arsenic in weathered waste rock from the Empire mine low-sulfide gold-quartz vein deposit, California*. Annual Meeting of the National Association of Abandoned Mine Land Programs, Squaw Valley, CA, October 2011.
- Burlak, T., Alpers, C.N., Foster, A.L., Brown, A., Hammersley, L., and Petersen, E., 2010, *Tracking the mineralogical fate of arsenic in weathered sulfides from the Empire Mine gold-quartz vein deposit using X-ray analytical techniques: Potential implications for arsenic bioavailability in mine waste*. American Geophysical Union Annual Fall Meeting, San Francisco, CA, , December 2010.
- Hammersley, L & Blatter, D.L., *Impact of the Orozco Fracture Zone on the central Mexican Volcanic Belt*. American Geophysical Union Annual Fall Meeting, San Francisco, CA, December 2009.
- Blatter, D.L. & Hammersley, *Impact of the Orozco Fracture Zone on the central Mexican Volcanic Belt. Monogenetic volcanism in the Trans-Mexican volcanic belt and elsewhere: Geologic setting, environmental aspects, social impact, historical documentation, and risk mitigation, 250th anniversary of Volcán Jorullo's birth in Michoacán, Mexico, Morelia, Mexico, September 2009*.
- Hammersley, L., Kusnick, J., Cornwell, K. & Hausback, B., *Attracting Hispanic students to the Geosciences through the development of introductory level Geology of Mexico and Mexico Field*

Trip courses and collaboration with minority-serving groups on campus. Geological Society of America Joint Annual Meeting, Houston, TX, September 2008.

- Hammersley, L. & Biskowski, M., Source characterization of stone grinding tools from the Teotihuacan Valley, Mexico. Abstracts with Programs, Geological Society of America Joint Annual Meeting, Houston, TX, September 2008.
- Stout, C.M., Hammersley, L. & Clynne, M.A., 2007. Field measurements of mafic enclave population density at Chaos Crags, Lassen Volcanic National Park, CA and implications for magma mixing. Geological Society of America Cordilleran Section Meeting, Bellingham, WA, May 2006.
- Blatter, D.L., Hammersley, L. & Carmichael, I.S.E., *A gap in the Central Mexican volcanic belt: A result of shallow subduction of the Orozco fracture zone?* Geological Society of America Backbone of the Americas – Patagonia to Alaska, Mendoza, Argentina, May 2006.
- Hammersley, L. & DePaolo, D.J., *Isotopic and geophysical constraints on the structure and evolution of the Clear Lake volcanic field.* Abstracts with Programs, Geological Society of America Joint Annual Meeting, Denver, CO, November 2004.
- Hammersley, L. & DePaolo, D.J., *Oxygen Isotope Evidence for the Role of Crustal Contamination in the Evolution of the Chalupas Caldera System, Northern Andes, Ecuador.* American Geophysical Union Annual Fall Meeting, San Francisco, CA, December 2002.
- Hammersley, L. & DePaolo, D.J., *Two-stage AFC-FC model for the evolution of large-volume rhyolitic ignimbrites (LRI's).* American Geophysical Union Annual Fall Meeting, San Francisco, CA, December 2001.
- Hammersley, L., Feineman, M.D., Bryce, J.G., & Carmichael, I.S.E., *A wet volcanic front in Mexico: The source of hydrous intermediate lavas.* Geological Society of America Joint Annual Meeting, Boston, MA, November 2001.
- Feineman, M.D., Hammersley, L., Bryce, J.G., & Carmichael, I.S.E., *Compositional consequences of lawsonite breakdown in regions of warm subduction.* Geological Society of America Joint Annual Meeting, Boston, MA, November 2001.
- Hammersley, L., DePaolo, D.J. & Beate, B., *Development of Large-Volume rhyolitic ignimbrites (LRI's): Chalupas caldera, Ecuador.* III South American Symposium on Isotope Geochemistry, Pucon, Chile, October 2001.
- Hammersley, L., DePaolo, D.J. & Beate, B., *Chalupas Caldera, Ecuador: A study of the development of a large volume rhyolite system in the northern Andes.* IAVCEI General Assembly, Bali, Indonesia, July 2000.
- Hammersley, L. & DePaolo, D.J., *Magma recharge and crustal assimilation in the evolution of the Clear Lake volcanic field, CA: An isotopic study.* Geological Society of America Joint Annual Meeting, Denver, CO, October 1999.

INVITED TALKS

- Hammersley, L., *The California State University Louis Stokes Alliance for Minority Participation (CSU-LSAMP): A collaborative, comprehensive approach to broadening participation in STEM,* CSU STEM-NET Presents: Major Institutional Grants Webcast, March 2019.
- Pacific Northwest LSAMP Conference, University of Washington – April 2015. *The CSU-LSAMP Bridge to the Doctorate program at Cal State LA: A structures approach to student development and advancement to Ph.D.*

- California State University, Northridge - March 2012. *Research in Mexico: Volcanology and Geoarcheology.*
- U.S.G.S. Menlo Park, Volcanic Hazards Seminar – November 2010. *Structure and Evolution of the Clear Lake volcanic system.*
- California State University, Fresno - Feb 2010. *Impact of the Orozco Fracture zone on the Mexican Volcanic Belt.*
- Volcanological Society of Sacramento – March 2009. Source characterization of stone grinding tools from the Teotihuacan Valley, Mexico.
- Sacramento State, STEM Scholars Lecture – November 2006. *Volcanoes in our backyard? A geochemical and geophysical study of the potential for future eruptions at Clear Lake, CA.*
- U.C. Davis – March 2006. *Isotopic and geophysical constraints on the structure and evolution of the Clear Lake volcanic system.*
- Association of Engineering Geologists – January 2006. *The Clear Lake volcanic field – what can geochemistry tell us about the likelihood of eruptions?*
- Volcanological Society of Sacramento – October 2004. *Geology of the Chalupas Caldera, Ecuador.*
- U.S.G.S. Menlo Park, Volcanic Hazards Seminar – March 2003. *Isotopic evidence for the origin of large silicic eruptions: A study of the Chalupas caldera, Ecuador.*
- California State University, San Jose – Feb 2003. *A two-stage model for the structure and evolution of the Chalupas caldera system, Ecuador.*
- California State University, Sonoma – February 2001, *Continuing magma supply to the Clear Lake Volcanic Field? A geochemical study of the magmatic system.*