

Enrique J. Lopez
 School of Education
 University of Colorado at Boulder
 249 UCB Boulder, CO 80309-0249

EDUCATION

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|---|------|
| Ph.D. Stanford University, Stanford, CA | 2012 |
| Psychological Studies in Education (focus on Science Education) | |
| Master of Science, Chemistry (with Distinction) | 2007 |
| California State University, Fresno, CA | |
| Bachelor of Arts, Chemistry | 2005 |
| California State University, Fresno, CA | |

APPOINTMENTS

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|---|----------------|
| CU Engage, University of Colorado Boulder | 2020-Present |
| Co-Director | |
| Aquetza Program | 2016-Present |
| Co-Director | |
| Assistant Professor, Curriculum & Instruction (Science Education) | 2013 – Present |
| University of Colorado at Boulder, School of Education | |
| Scholar in Residence | 2012 –2013 |
| University of Colorado at Boulder, School of Education | |

PROFESSIONAL HONORS

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| President’s Diversity Award, Commendation, University of Colorado | 2019 |
| Latino Leadership Institute | 2019 |
| Undergraduate Research Opportunities Program Mentor Award | 2016 |
| American Education Research Association Scholars of Color in Education | 2013 |
| Jhumki Basu Equity and Ethics Scholar | 2010 |
| National Association for Research in Science Teaching Graduate Fellows Recipient | 2010 |
| American Association for Hispanics in Higher Education | 2010 |

GRANTS/AWARDS

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| Undergraduate Research Opportunities Program (UROP) Follow-up - \$3,000 | 2020 |
| SOE Place-Based Partnership Seed Award - \$20,000 | 2020 |
| Faculty Fellows in Community-Based Learning | 2019 |
| IMPART Fellowship (ODECE) - \$4,000 | 2018 |
| CU Outreach and Community Engagement Award - \$9,000 | 2017 |
| Women Investing in the School of Education (WISE) - \$8,000 | 2017 |
| Undergraduate Research Opportunities Program (UROP) Follow-up - \$3,000 | 2017 |
| CU Outreach and Community Engagement Award - \$8,000 | 2016 |
| CU Entrepreneurship Innovative Seed Award - \$5,000 | 2016 |
| Women Investing in the School of Education (WISE) - \$7,998 | 2015 |
| Chancellor’s Award for Excellence in STEM Education - \$10,000 | 2015 |

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| Undergraduate Research Opportunities Program (UROP) Follow-up - \$3,000 | 2015 |
| Undergraduate Research Opportunities Program (UROP) - \$3,000 | 2015 |
| Women Investing in the School of Education (WISE) - \$8,000 | 2013 |

PUBLICATIONS

Journal Publications

- Lopez**, E.J. & Ortiz, J. (2019). Promoting Transformative Learning for Chicana/o and Latino High School Youth. *Journal of Latinos and Education*.
- Lopez**, E.J., Basile, V., Landa-Posas, M., Ortega, K., Ramirez, A. (2019). Latin@s' Sense of Familismo in Undergraduate STEM. *The Review of Higher Education*.
- Basile, V. & **Lopez** E.J. (2018). Assuming brilliance: A decriminalizing approach to educating African American and Latino boys in elementary school STEM settings. *Journal of Women & Minorities in Science and Engineering*, 24(4), 361-379.
- Lopez**, E.J. & Romero, J. (2017). Integrating Civic Engagement and Ethnic Studies in Campus Outreach: The Case of Aquetzta. *Journal of College and Character*, 18(4), 296-305.
- Basile, V., **Lopez**, E.J. (2015). And Still I See No Changes: Enduring Views of Students of Color in Science and Mathematics Education Policy Reports. *Science Education*, 99(3), 519-548.
- Lopez**, E.J.; Shavelson, R.J.; Nandagopal, K.; Szu, E.; & Penn, J. (2014). Factors Contributing to Problem-Solving Performance in First-Semester Organic Chemistry. *Journal of Chemical Education*, 91(7), 976-981.
- Lopez**, E.J., Shavelson, R.J., Nandagopal, K., Szu, E., & Penn, J. (2014). Ethnically Diverse Students' Knowledge Structures in First-Semester Organic Chemistry. *Journal of Research in Science Teaching*, 51(6), 741-758.
- Lopez**, E.J., Nandagopal, K., Shavelson, R.J., Szu, E., & Penn, J. (2013). Self-regulated learning study strategies and academic performance in undergraduate organic chemistry: An investigation examining ethnically diverse students. *Journal of Research in Science Teaching*, 50(6), 660-676.
- Lopez**, E., Kim, J., Nandagopal, K., Cardin, N., Shavelson, R. J., & Penn, J. H. (2011). Validating the use of concept-mapping as a diagnostic assessment tool in organic chemistry: implications for teaching. *Chemistry Education Research and Practice*, 12(2), 133-141.
- Szu, E., Nandagopal, K., Shavelson, R. J., **Lopez**, E. J., Penn, J. H., Scharberg, M., Hill, G.W. (2011). Understanding Academic Performance in Organic Chemistry. *Journal of Chemical Education*, 88(9), 1238-1242.

Journal Articles Under Revision

- Lopez**, E.J. & Sepúlveda, E. Latinx Youth and the Transformation of the Self. *Urban Education*.

PRESENTATIONS

Selected Conference Presentations

- López, E.J., Valenzuela, C., Garcia, A., Leon, J., Juarez-Delgado, Z., Sandoval, C.** (2019, April). *Yo soy Joaquin*. Presented at the Latinx Youth Conference, Longmont, CO.
- López, E.J., Banda, N., Leon, J., Moreno-Romero, C., Tovar, C.** (April, 2019). *Testimonio as a Tool Towards Decolonial and Transformative Education for Chican@ and Mexican Youth*. Presented at the National Association for Chicana and Chicano Studies Conference, Albuquerque, NM.
- Ortiz, J., **López, E.**, Moreno-Romero, C. Exploring the Role of Indigenous Spirituality and Philosophies can have on Students' Educational Aspirations. To be presented at the National Association for Chicana and Chicano Studies Conference, Albuquerque, NM on April 17th, 2020).
- López, E.J., Ortiz, J., Valenzuela, C., Hinojosa, A.** (2018, April). *Exploring Mexican and Mexican American Youth Empowerment in a Social Justice Summer Enrichment Program: A Case Study Approach*. Presented at the American Education Research Association Conference, New York, NY.
- López, E.J., Romero, J, Watts, R.** (2018, May). *Co-creating spaces for intergenerational sociopolitical and cultural development*. Presented at the URBAN Conference, Denver, CO.
- Landa-Posas, M., Romero, J., **López, E.J.** (November, 2017). Students as Holders and Producers of Knowledge. Presented at the Diversity and Inclusion Summit, Boulder, CO.
- López, E.J., Basile, V., Landa-Posas, M., Ortega, K., Ramirez, A.** (April, 2017). Latina/os' Sense of Familismo in Undergraduate STEM. Presented at the American Educational Research Association, Baltimore, MD.
- López, E.J.** (April, 2016). Examining Latinas Strategic Uses of Academic and Social Resources to Thrive in Undergraduate Science: A Case Study Approach. Presented as part of symposia on Critical Perspectives on Science Education at the National Association for Research in Science Teaching meeting, Baltimore, MD.
- López, E.J., Shavelson, R.J., Nandagopal, K., Szu, E., & Penn, J.** (2014). Factors Contributing to Problem-Solving Performance in First-Semester Organic Chemistry, American Educational Research Association, Philadelphia PA.
- López, E.J., Shavelson, R.J., Nandagopal, K., Szu, E., & Penn, J.** (2011). The Development of Knowledge Organization in Undergraduate Organic Chemistry, American Educational Research Association, New Orleans.
- López, E.J.; Shavelson, R.J.; Nandagopal, K.; Szu, E.; & Penn, J.** (2011). Investigating Factors Contributing to Underrepresented Minority Students' Academic Achievement in First-Semester Organic Chemistry, American Educational Research Association, New Orleans, LA.

COURSES TAUGHT

- EDUC. 1080: Decolonial Praxis in Education: Designing for New Futures
- EDUC. 4822: Teaching and Learning Chemistry
- EDUC. 5315: Perspectives on Science
- EDUC. 2020: STEP 1 Inquiry Approaches to Teaching
- EDUC. 8175: Social Justice and Equity in Science and Math Education
- EDUC. 4610: Becoming a Learning Assistant
- EDUC. 4050: Knowing and Learning in Math and Science Education
- EDUC. 4800: Constructions of Race and its Implications for Science Education

PROFESSIONAL MEMBERSHIPS

American Educational Research Association (AERA)

National Association for Research in Science Teaching (NARST)

National Association for Chicana and Chicano Studies (NACCS)

Science Educators for Equity, Diversity, and Social Justice (SEEDS)