

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

***EDUCATION***

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***

CU Engage, University of Colorado Boulder	2020-Present
Faculty 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***

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***

Undergraduate Research Opportunities Program (UROP) Follow-up - \$3,000	2022
Undergraduate Research Opportunities Program (UROP, Summer) Follow-up - \$3,000	2021
Undergraduate Research Opportunities Program (UROP) Follow-up - \$3,000	2021
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
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 Aquetza. *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***

- Lopez, E.**; Agnoletti, C.; Corral-Robles, C.; Martinez, M.; Ornelas, T. (2023, April 13-16) Nurturing High School Students of Color's Transformative Agency in a Critical Civic Engagement Program. [Roundtable presentation] AERA 2023, Chicago, IL, United States.
- Lopez, E.**; Romero, J. (2023, April 13-16) Testimonio as a Bridge Toward Conocimiento Among Chicanx and Latinx Youth. [Roundtable presentation] AERA 2023, Chicago, IL, United States.
- 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 17<sup>th</sup>, 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 4500: Community-Based Research  
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)