

Antoinette S. Linton

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A. Professional Preparation

<u>Institution</u>	<u>Location</u>	<u>Major</u>	<u>Degree & Year</u>
San Diego State University	San Diego, CA	Biology	B.S., 2001
National University	San Diego, CA	School Psychology	M.S., 2007
University of Southern California	Los Angeles, CA	Teacher Education in Multicultural Societies	Ed.D., 2011

B. Appointments

2020-Present	Associate Professor of Secondary Science Education California State University, Fullerton
2014-2020	Assistant Professor of Secondary Science Education California State University, Fullerton
2011-2014	Adjunct Faculty, Rossier School of Education University of Southern California
2010-2011	Co-instructor, Urban Teacher Residency Program/Math- Science

C. Publications

Refereed Journal Articles Total: 4

1. Choi, D. and Linton, A. (2020). "Early Pre-service" STEM Education and the Teacher Pathway Partnership: The Impact of a University-Based Summer STEM Institute on Community College Students. *Journal of STEM Teacher Education*
2. Linton, A. and Grant, M. (2020). Developing a Mentorship Practice Through Self-Study. *Journal of School Leadership*

3. Linton, A., Luna, C., and Arnak, S. (2018). High School Biology in the Age of the Next Generation Science Standards: A Student-Centered Approach. Center for Leadership Equity and Research *CLEARvoz Journal*
4. Do, B., Linton, A. and Tran, A. (2018). Teaching Learners of Vietnamese Heritage: Applying Social Linguistic Knowledge to Science Teaching. *Multilingual Educator*

Peer Reviewed Book Chapters Total: 2

1. Linton, A. S. (2021). Science Teacher Education, Epistemic Agency, and Multicultural Education. In *Evolving Multicultural Education for Global Classrooms* (pp. 109-136). IGI Global.
2. Linton, A (2018). Teaching Biology in the Age of The Next Generation Science Standards: Methodology for Teaching in High Needs Schools. *Volume: Multicultural Curriculum Transformation in Science, Technology, Engineering, and Mathematics (STEM)*. New York: Rowman & Littlefield
3. Linton, A. & Gordon, R. (2015) Clinical classroom rotation for STEM preservice candidates. Etta R. Hollins (editor). *Designing Teacher Preparation for Quality Teaching*. New York: Routledge

Pragmatic Publications

1. Mayoral, S., & Linton, A. S., & Yousefi, H., & Huang, J. (2021, July), Work in Progress: Implementing Elements of Engineering Design into Calculus Paper presented at 2021 ASEE Virtual Annual Conference Content Access, Virtual Conference. <https://peer.asee.org/38169>
2. Do, B., Linton, A. and Tran, A. (2018). Teaching Learners of Vietnamese Heritage: Applying Social Linguistic Knowledge to Science Teaching. *Multilingual Educator*
3. Linton, A. (2016). Applied Pedagogies Curriculum for NGSS, Orange County Teacher Pathway Partnership
4. Linton, A. (2015). OCTPP Next Generation Science Standards Handbook for Professional Development, Orange County Teacher Pathway Partnership Grant.
5. Linton, A. & Choi, D. (2015). OCTPP Program Design for Professional Development, Community College, and High School Lines. Orange County Teacher Pathway Partnership

Peer Reviewed presentations at national conferences (Total: 9)

4. Williams, T. and Linton, A. (2018). *A Community of Learners Developing a Conscious Positionality in Teacher Education* Paper submitted for presentation at the 2019 Annual Conference of the American Educational Studies Association. Greenville, South Carolina
5. Linton, A. (2018). *Assessing the Dispositions of Science Preservice Candidates*. Paper submitted for presentation at the 2018 2nd Annual Conference on Academic Research in Education (CARE). Las Vegas, NV
6. Linton, A. & Williams, T. (2018). *Teacher Awareness, Conscious Positionality and Academic Achievement: Learning form out Teacher Identities*. Paper Submitted for presentation at the 2018 annual conference of the American Educational Research Association, New York, NY.
7. Linton, A. (2018). *Trustworthy Science Teaching: 6 Tenets for Cultivating a Healthy Productive Science Classroom for All*. Paper Submitted for Presentation at the 2018 annual conference of the National Science Teachers Association, Atlanta, Ga.
8. Linton, A. (2017). *Rethinking Teaching Practices in Urban School*. Paper Presented for presentation at the 2017 annual conference for Leadership in Teacher Education, La Verne, Ca.
9. Linton, A. (2017). *Preparing Science Teachers for a Multicultural Society*. Presentation at the 2017 annual conference of the National Science Teachers Association, Los Angeles, Ca.
10. Williams, T. & Linton, A. (2016). *Epistemic Practices to Prepare Preservice Teaching Candidates for the Common Core*. Paper presented at the 2016 American Educational Research Association. Washington D.C.
11. Linton, A. (2016). *Teaching for Equity Action and Change in Higher Education (T.E.A.C.H)*. Presentation at the 2016 annual conference of the American Educational Research Association. Washington D.C.
12. Linton, A. (2014). *An Exploration of Science Teacher Knowledge, Skills, and Understandings*. Paper presented at the fourth annual Division K Summit on Teacher Education for the American Educational Research Association.

Peer Reviewed presentations at state and regional conferences (Total: 8)

1. Richards-Tutor, Linton (2022). *Anti-Racist and Anti-Biased Practices: An Examination of the Work of the CSU Center ot Close the Opportunity Gap*. Paper presented at the annual California Council on Teacher Education Fall Conference. San Diego, CA.
2. Linton & Tierney (2021). *Using Just, Equitable, and Inclusive Education Practices to Assess Candidate learning in a Science Methods Course*. . Paper presented at the annual California Council on Teacher Education Fall Conference. San Diego, CA.

3. Linton, A (2018). *Changemaking in Teacher Education: Transforming a Multicultural Education Course*. Paper presented at the annual California Council on Teacher Education Fall 2018
4. Linton, A. (2017). *Science and the Social Justice Classroom*. Paper presented at the annual California Council on Teacher Education Fall Conference. San Diego, CA.
5. Ruiz, M., **Linton, A.**, Lalas, J., Cadiero-Kaplan, K., Berta-Avila, M. (2016). *Collaborative Partnership in Nurturing a Paradigm Change for the Empowerment of Faculty and Students of Color*. Paper presented at the annual California Council on Teacher Education Fall Conference. San Diego, CA.
6. Linton, A. (2016). *Next Generation Science Standards for All*. Thirteenth Annual Teaching Tomorrow's Teachers Conference. Fullerton, CA.
7. Linton, A.S. (2016) *A Theoretical Framework for Understanding an Indigenous African Social Context for Teaching Biology* California-National Association of Multicultural Education. Humboldt, CA
8. Linton, A.S. and Gordon, R. (2015). PDC to UTR: twenty years of improving teacher preparation. California Council on Teacher Education Spring 2015 Conference. San Jose, CA (March 21, 2015).
9. Linton, A.S. (2015). Cultural Relevancy in Science. Proposal accepted to the California-National Association of Multicultural Education. San Diego, CA (January 5, 2015).
10. Linton, A.S. (2015). Jazzy state of mind: Using the concept of Jazz to improve science professional development, teacher practice and the implementation of the Next Generation Science Standards *Transforming Teacher Education Through the Arts*. California Council on Teacher Education (CCTE) Fall 2014 Conference. San Diego, CA (October 23, 2014).

Awarded Grants

1. 2020 Director of CSUF Chancellor's Office Center Closing the Opportunity Gap Grant \$300,000
2. Kurwadkar, Huang, Bein, **Linton**, Mayoral, Reina and Bai., National Science Foundation, for *Building Capacity: Advancing Student Success in Undergraduate Engineering and Computer Science (ASSURE)* October 1, 2018 (Co-PI \$1,496, 967)
3. Behseta, Sam, Drunken, Bridget, **Linton, Antoinette.**, National Science Foundation, for *Stem Teacher Retention and Effectiveness: Analytics and Modeling for Success for Noyce (STREAMS 4 NOYCE)* August 30, 2019 (Co-PI \$1,813,472)

Service

Professional

Article Reviewer

1. Journal of Science Education Manuscript Reviewer
2. International Journal of Mentorship and Coaching in Education

Conference Proposal Reviewer

3. American Educational Research Association: Division T.E.A.C.H Pre-conference Review Board
4. California Council on Teacher Education

University

Service to California State University, Fullerton, 2014- present

Service to the University

5. Representative for California Faculty Association 2017-present
6. Associate Director of CATALYST Center, April 2018-present
7. CATALYST Center for the Advancement of Research in Teaching and Learning Math and Science member, 2014- present
8. *Lead Faculty* in Credential Ceremony and Commencement, 2015-present
9. Science Credential Preparation Advisory Committee Member 2014-present
10. Teacher Educators, Partners, and Collaborators Annual Conference October 2015-present

Service to the College

1. JEIE Professional Development Committee Member—Fall 2018 present
2. Dissertation Advisor—Department of Education Leadership Fall 2018-Spring 2019
3. Associate Dean Search Committee-Spring 2017
4. Center for Research on Educational Access and Leadership—October 2017
5. Dissertation Advisory for Education Leadership-Spring 2017
6. Secondary Cooperative Teacher Education Program (SECTEP) Committee Member, 2014-present
7. Commencement Committee Member for College of Education, 2015-present
8. Titan Educator Advisor-Fall 2014-Spring 2015
9. Education Week Committee Member 2015

Service to the Department

1. Co-Director of Partner District Cohort-July 2018
2. *Lead Faculty* for Department Chair Elections-Spring 2017
3. Supervisors Training Meeting, 2014-present
4. Interview Applicants for the Single Subject Credential Program
5. Subject Area Coordinator for Secondary Science
6. Providing Letters of Recommendations and advising for students

Community

1. Keynote Speaker for Commencement at View Park Charter High School-June 2017
2. OC STEM Ecosystem Collaboration group-Spring 2017
3. NAACP Academic Advisor for College and Youth, June 2016-present
4. Speaker for the National Black MBA Leaders of Tomorrow Mentoring Program
5. Dissertation Committee for University of Southern California Educational Doctorate Program, 2015-present
6. Advisory Board for Loyola Marymount University's National Science Foundation Discovery K-12 Project QUEST (Quality Urban Ecology Science Teaching for Diverse Learners).
7. Representative from CSUF for the Orange County Education Pathway Industry Council (OC EPIC). May 2015-present

Professional Associations and Development

Professional Associations

1. American Educational Research Association, 2008-present
 - a. Division K, Teaching and Teacher Education
2. National Science Teacher's Association, 2015-present
3. California Science Teacher's Association, 2005-present

Professional Development

1. American Education Research Association, 2008-present
2. National Science Teachers Association, 2015-present
3. Discover the NGSS Train-the-Trainer Workshop March, 2016
4. NGSS State Roll Out Los Angeles/ Orange County May 16-17, 2016