

# *Carolyn L. Sandoval*

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## *Education*

- Ph.D. Texas A&M University, 2013  
Specialization: *Educational Administration and Human Resource Development*  
Dissertation: *“Doin’ whatever I had to do to survive”*: A study of resistance, agency, and transformation in the lives of incarcerated women
- M.S. Texas A&M University, 2001  
Specialization: *Adult Education*
- M.A. University of New Mexico 1994-1997  
Specialization: *Counseling, Completed 25 hours*
- B. S. California State Polytechnic University, Pomona, 1990  
Major: Communications    Emphasis: Journalism

## *Certifications*

Multicultural Conflict Negotiation/Mediation, Texas A&M University, 2001  
Difficult Dialogues Facilitator, 2013  
Applying the Quality Matters Rubric, 2013  
Quality Matters Peer Reviewer Course, 2014

## *Appointments*

Senior Director, Instruction and Pedagogy, Teaching + Learning Commons and Director, Engaged Teaching Hub, *UC San Diego, La Jolla, CA—Teaching & Learning Commons*, May 2018 – Present

Interim Director, *UC San Diego, La Jolla, CA—Teaching + Learning Commons*, April 2020 – July 2020

Associate Director, *Texas A&M University, College Station, TX—Center for Teaching Excellence*, July 2017 – May 2018

Instructional Consultant, *Texas A&M University, College Station, TX—Center for Teaching Excellence*, February 2011 – June 2017

Lecturer, *Texas A&M University, College Station, TX—College of Education and Human Development*, September 2014 – Present

Senior Employee Development Specialist, *Texas A&M University, College Station, TX—Employee & Organizational Development*, January 2008 –February 2011

Assistant Lecturer, *Texas A&M University, College Station, TX—Student Learning Center*,

September 2001– December 2007  
Managing Editor, *International Journal of Qualitative Studies in Education*, August 2004 – September 2007  
Coordinator of Diversity Education, *Texas A&M University, College Station, TX—Department of Multicultural Services*, August 1998 – September 2001  
Student Activities Advisor, *Texas A&M University, College Station, TX—Department of Student Activities*, January 1998 – August 1998  
Senior Advisor-Retention Specialist, *University of New Mexico, Albuquerque, NM—El Centro de la Raza (Hispanic Student Services)*, August 1994 – January 1998  
Academic Advisor, *University of New Mexico, Albuquerque, NM—Undergraduate Studies*, October 1993 – August 1994  
Student Affairs Officer, *University of California, Riverside, CA—Chicano Student Programs*, April 1991 – October 1993

### **Research Interests**

Adult learning and development  
Faculty development  
Qualitative methods of inquiry  
Social justice education  
Women and mass incarceration

### **Research Grants**

#### *Improving Student Experiences to Increase Student Engagement (ISE-2)*

Sponsor: NSF-Broadening Participation in Engineering

PI: John E. Hurtado. Co-PIs: Mindy Bergman, Jeffrey E. Froyd, Carolyn L. Sandoval

\$791,000 – Funded

#### *REvolutionizing Diversity Of Engineering (REDO-E)*

Sponsor: NSF IUSE/Professional Formation of Engineers: Revolutionizing Engineering Departments

PI: Rodney Bowersox. Co-PIs: Kristi Shryock, Edward White, Jeff Froyd, Isaac Sabat. CI: Carolyn L. Sandoval

\$1,999,999.00 – Funded

(Changed institutions)

#### *Deep Teaching Residency—A faculty development program for the development and implementation of inclusive teaching practices (DTR)*

Sponsor: NSF-IUSE-Exploration and Design Tier for Institution and Community Transformation

PI: Bryan Dewsbury. Co-PIs: Tess Killpack, Carolyn L. Sandoval

\$300,000 – Funded

#### *Improving the Conceptual Mastery of Engineering Students in High Enrollment Engineering Courses through Oral Exams*

Sponsor: NSF-IUSE-Education and Human Resources

PI: Huihui Qi. Co PIs: Nathan, Delson, Marko Lubarda, Carolyn L. Sandoval, Curt Schurgers

\$298,659– Funded

LEAD: LEarning and Assessment Diversity for Equitable Academic Progress

Sponsor: NSF- IUSE

PI: Bill Lin. Co PIs: Saharnaz Baghdadchi, Karcher Morris, Carolyn L. Sandoval, Curt Schurgers  
\$750,000—Pending

### **Publications**

Qi, H., Schurgers, C., Sandoval, C., Klement, L., Lubarda, M., Kim, M., Phan, A. Liu, H., Minnes, M., Delson, N., Baghdadchi, S., Ghazinejad, M., Relaford-Doyle, J., Pilegard, C., & Gedney, X. (2022). Insights from the First Year of Project# 2044472 “Improving the Conceptual Mastery of Engineering Students in High Enrollment Engineering Courses through Oral Exams. Peer reviewed conference paper, *American Society for Engineering Education*, Minneapolis, MN. <https://peer.asee.org/42102>

Baghdadchi, S., Qi, H., Lubarda, M., Phan, A., Delson, N., & Sandoval, C. (2022). Student perceptions of oral exams in undergraduate engineering classes and implications for effective oral exam design. Peer reviewed conference paper, *American Society for Engineering Education*, Minneapolis, MN. <https://peer.asee.org/41123>

Macik, M., Wu, X. B., Sandoval, C. (2022). Impact of Authentic Inquiry on Undergraduate Students’ Self-Reported Understanding of Scientific Practices. *Education Research International*. doi.org/10.1155/2022/8137386

Wu, X. B., Sandoval, C. L., Knight, S., Jaime, X., Schielack, J. F. (2021). Authentic inquiry experiences in large introductory classes consistently associated with significant learning gains for all students. *International Journal of STEM Education*, 8 (31) doi.org/10.1186/s40594-021-00290-3.

Lubarda, M., Delson, N., Schurgers, C., Ghazinejad, M., Baghdadchi, S., Phan, A., Minnes, M., Relaford-Doyle, J., Klement, L., Sandoval, C., & Qi, H. (2021). Oral exams for large-enrollment engineering courses to promote academic integrity and student engagement during remote instruction. In *2021 IEEE Frontiers in Education Conference (FIE)*, Lincoln, Nebraska, USA, pp. 1-5. doi: 10.1109/FIE49875.2021.9637124.

Morimoto, T.K., Liu, H., Tharin, C., Sandoval, C. L., Cassidy, C. J. (2021). Design and build at home: Development of a low-cost and versatile hardware kit for a remote first-year mechanical engineering design class Peer Reviewed Conference Paper. *American Society for Engineering Education*, remote conference. doi:10.18260/1-2—36903

Qi, H., Sandoval, C. L., Liu, H., Kohanfars, M. R., Lan, E. I., Tharin, C. H., Morimoto, T.K. (2021). Transforming the hands-on learning experiences in a first-year engineering design class to a remote learning environment. Peer reviewed conference paper. *American Society for Engineering Education*, remote conference. <https://peer.asee.org/37933>

West, C.L. & Sandoval, C.L. (2020). Humanizing learning outcomes for diversity requirement

- courses: Advocating for and supporting social justice education. In E. Sengupta, P. Blessinger, & M.S. Makhanya (Eds.) *Developing and supporting multiculturalism and leadership development: International perspectives on humanizing higher education* (pp. 15-31). Emerald Publishing Limited, Vol. 31. *Innovations in Higher Education Teaching and Learning*. <https://doi.org/10.1108/S2055-364120200000030004>
- Morimoto, T., Sandoval, C. L., & Delson, N. (2020). Assess Experiential Learning Outcomes: Integration of weekly reflections in an introductory design class to assess experiential learning objectives. Peer reviewed conference paper, *American Society for Engineering Education*, remote conference.
- Baghdadchi, S., Nemerever, Z., Ghanbari, S., Hadjiperis, P., & Sandoval, C. L. (2019). Creating Environments for Critical Thinking in Electrical and Computer Engineering Education. Peer reviewed conference paper. *American Society for Engineering Education*, Tampa, FL. doi:10.18260/1-2--32559
- Martin, R. C., Lang, C., Liu, S. C., Sandoval, C. L., Bergman, M. E., Froyd, J. E. (2019). Resources for faculty development: Implicit bias, deficit thinking, and active learning. Peer reviewed conference paper, *American Society for Engineering Education*, Tampa, FL.
- Liu, S. C., Lang, C. K., Merrill, B. A., Leos, A., Harlan, K. N., Sandoval, C. L., Bergman, M. E., Froyd, J. E. (2018). Developing emergent codes for the Classroom Observation Protocol for Undergraduate STEM (COPUS). Peer reviewed conference paper. *IEEE Frontiers in Education Conference*, San Jose, CA.
- Liu, S. C., Lang, C. K., Sandoval, C. L., Bergman, M., Froyd, J. E. (2018). Improving student experiences to increase student engagement (ISE-2). Peer reviewed conference paper. *American Society for Engineering Education*, Salt Lake City, UT.
- Baumgartner, L. M., & Sandoval, C. L. (2018). "Being a presence to each other": Adult educators who foster empowerment with incarcerated women. *Adult Education Quarterly*. 68(4) 263-279 doi.org/10.1177/0741713618774412.
- Sandoval, C. L. & Baumgartner, L. M. (2017). Counterstories of agency in the lives of women offenders. *Journal of Ethnographic and Qualitative Research*. 11(3) 215-228.
- Sandoval, C. L. & Baumgartner, L. M. (2017). Educators' reflections on empowerment in a gender responsive program for women offenders. *Proceedings of the Adult Education Research Conference*, Norman, OK.
- Baumgartner, L. B. & Sandoval, C. L. (2017). The impact of positionalities and identities on women's lives and experiences in a gender-responsive program (GRP) in a jail setting. *Dialogues in Social Justice: An Adult Education Journal*. 2(2) 52-67.
- Sandoval, C. L., & Baumgartner, L. M. (2016). Stories of agency in the lives of women offenders. *Proceedings of the Adult Education Research Conference*, Charlotte, NC.

Fowler, D., Macik, M., Sandoval, C. L., Bakenhus, C., MacWillie, S. (2016). Program (re)design model: A sustainable, system-level approach to faculty development. *Journal of Faculty Development*. 30(2) 17-25.

Sandoval, C. L., Baumgartner, L. M., & Clark, M. C. (2016). Paving paths toward transformation with incarcerated women. *Journal of Transformative Education*. 14(1) 34-52. doi: 10.1177/1541344615602758

Sandoval, C. L., & Baumgartner, L. M. (2015). Resolana: Paving paths toward transformation with incarcerated women. *Proceedings of the Adult Education Research Conference*, Manhattan, KS.

Sandoval, C. L. (2014). The making of a “Star”: An ethnodramatic representation of Jasmine’s story. *Qualitative Inquiry*, 20(4), 522-532. doi:10.1177/1077800413513727. **(Awarded the Anselm Strauss Award for innovative qualitative research from the Qualitative Family Research Council, 2015).**

Sandoval, C. L. (2013). “Doin’ whatever I had to do to survive”: A study of resistance, agency, and transformation in the lives of incarcerated women (Unpublished doctoral dissertation). *Texas A&M University, College Station, TX*.

Clark, M. C., Petitt, B., & Sandoval, C. (2003). Invisible women: Domestic and custodial workers and their construction of self. *Proceedings of the Adult Education Research Conference*, San Francisco, CA.

### **Peer-Reviewed Conference Presentations**

Sandoval, C. L., Viaud, K., Klement, L. (2022). Anti-racist pedagogy: Leveraging assessment to effect institutional change. *AAC&U Conference on General Education, Pedagogy, and Assessment*. San Diego, CA.

Klement, L., Hadjipieris, P., & Sandoval, C. L. (November 2019). A blended learning approach for faculty course design workshops. *Professional and Organization Development Network in Higher Education conference*, Pittsburgh, PA.

West, C. L. & Sandoval, C. L. (November 2019). Supporting instructors who teach social justice and diversity requirement courses. *Professional and Organization Development Network in Higher Education conference*, Pittsburgh, PA.

Sandoval, C. L. (November 2017). Program (re)design for a learner-Centered curriculum. *Professional and Organization Development Network in Higher Education conference*, Louisville, KY.

Sandoval, C. L. & Baumgartner, L. M. (June 2016). Stories of agency in the lives of women offenders. *Adult Education Research Conference*, Charlotte, NC.

- Fowler, D., Macik, M., & Sandoval, C. (June 2016). Program (re)design for a learner-centered curriculum. *The Teaching Professor Conference, Washington, D.C.*
- Sparks, D. W., Newman, J., Fowler, D., Ewing, R., Macik, M., Miller, B., Olszewski, T. D., Reece, B., Sandoval, C. L., Marcantonio, F. (November 2015). Designing geology and geophysics curricula from the ground up. *The Geological Society of America Annual Meeting, Baltimore, MD.* (poster)
- Sparks, D., Newman, J., Ewing, R., Fowler, D., Macik, M., Marcantonio, F., Miller, B., Olszewski, T., Reece, B., Rosser, S., & Sandoval, C. (2015). *Redesigning curricula in geology and geophysics.* Poster presentation at the 2015 Meeting of the American Geophysical Union, San Francisco, CA.
- Sandoval, C. L., & Baumgartner, L. M. (May 2015). Resolana: Paving paths toward transformation with incarcerated women. *Adult Education Research Conference, Manhattan, KS*
- Sandoval, C. L. (February 2015). Teaching cultural competence through critical thinking and social justice frameworks. *Lilly Conference on College and University Teaching, Newport Beach, CA.*
- Sandoval, C. L. & Baumgartner, L. M. (November 2014). I'm a convicted felon, but I actually love myself more:" Incarcerated women's narrative identities. *American Association for Adult and Continuing Education conference, Charleston, SC*
- Sandoval, C. L. (November 2013). Paving paths toward transformation with incarcerated women. *American Association for Adult and Continuing Education conference, Lexington, KY.*
- Sandoval, C. L., Lazo, M., & Wu, X. B. (October 2012). From skepticism to collaboration: Supporting peer review of teaching across disciplines. *Professional and Organization Development Network in Higher Education conference, Seattle, WA.*
- Lazo, M., Sandoval, C. L., & Wu, X. B. (February 2012). *Supporting faculty teaching performance evaluation through peer review of teaching.* 12<sup>th</sup> Annual Texas A&M Assessment Conference, College Station, TX.
- Wu, X. B., Sandoval, C. L., & Sheather, S. (October 2011). Supporting customized and sustainable programs of peer review of reaching. *Professional and Organization Development Network in Higher Education conference, Atlanta, GA.*
- Clark, M. C., Sandoval, C., & Villa, C. (May 2010). The tangled skein: American women inmates use of instability to create coherence. *Narrative Matters Conference. St. Thomas University, Frederickton, New Brunswick, Canada.*
- Sandoval, C. L. (October 2007). Engaging students in valuing difference through critical thinking. *College Academic Support Programs Annual Conference, The Woodlands, TX.*

Clark, M. C. & Sandoval, C. L. (May 2006). Creating spheres of freedom through narrative. *Congress of Qualitative Inquiry. University of Illinois at Urbana-Champaign.*

Sandoval, C. L. & Pettit, B. (June 2005). Learning to value diversity. *The National Conference on Race and Ethnicity in American Higher Education, New York, NY.*

Sandoval, C. L. (November 2003). Learning to value diversity: A cognitive and social approach. *Tenth National Conference on Students in Transition, Lake Buena Vista, FL.*

Sandoval, C. L. (October 2003). Critical thinking and cultural competence. *College Reading and Learning Association 36<sup>th</sup> Annual Conference, Albuquerque, NM.*

Sandoval, C. L., Mathews, K. (July 2003). Lessons learned: Implementation of a comprehensive retention program for general studies students at a major research university. *National Conference on Student Retention, San Diego, CA.*

Clark, M. C., Pettit, B., & Sandoval, C. L. (June 2003). Domestic workers and the construction of self. *Adult Education Research Conference, San Francisco, CA.*

Mathews, K., Perez, D. & Sandoval, C. L. (July 2002). AggieLincs: Implementing a comprehensive retention program for general studies students at a major research university. *National Conference on Student Retention, Washington, D.C.*

Sandoval, C. L., & Ornelas, G. & Mitchell, C. (April 1997). Sexual Orientation in Cultural Context: Toward a Holistic Framework. *American Counseling Association World Conference, Orlando, FL.*

Sandoval, C. L. & Ornelas, G. (April 1996). Making counseling relevant in our community: What works? *American Counseling Association World Conference, Pittsburgh, PA.*

### **Invited International Presentations and Workshops**

Sandoval, C. L. & Hadjipieris, P. (Winter 2022). Provided teaching workshops for Kyushu University faculty on teaching methods for active learning as part of their Diversity and Super Global Training Program for Female and Young Faculty. *Kyushu University, Japan (remote).*

Sandoval, C. L. & Fowler, D. (April 2017). Provided consultations and workshops on Teaching Effectiveness and Efficiency for New Faculty, Interactive Teaching Methods and Approaches to Engage Students, and Effective Peer Review of Teaching. *Texas A&M University, Qatar, Doha, Qatar.*

Sandoval, C. L. (November 2015). The power of narrative in researching the lives of incarcerated women. *The National Council on Family Relations, Vancouver, British Columbia, Canada.*

Sandoval, C. L., & Poling, N. (April 2015). Provided individual faculty consultation and coaching, and presented workshops on effective teaching. *Texas A&M University, Qatar, Doha, Qatar.*

August, J. A., Sandoval, C. L., & Wu, X. B. (November 2014). Advanced training program for academic administrators on teaching and learning, three-day workshop. *Southeast University, Nanjing, China.*

### **Invited National Presentations and Workshops**

Dewsbury, B., Killpack, T., & Sandoval, C. L. (2021) HHMI Summer STEM Workshop Series on Inclusive Pedagogy. DePauw University, Chicago, IL (remote).

Dewsbury, B., Imad, M., McGowan, S., Killpack, T. & Sandoval, C. L. (2020). Deep Teaching Residency. *Howard Hughes Medical Institute, Chevy Chase, MD.*

Sandoval, C. L. & Dewsbury, B. (April, 2017). Improving access, inclusion, and persistence in STEM. *Howard Hughes Medical Institute Grantees Synthesis Meeting.* Chevy Chase, MD.

Dewsbury, B., Sandoval, C. L. & Allen, D. (December 2015). Teaching all students: Inclusive pedagogy in higher education. *American Society for Cell Biology, San Francisco, CA.*

Sandoval, C. L. (March 2011). Inside out: Women of color and leadership. *Hispanic and African-American Leadership & Learning Symposium, College Station, TX.*

Sandoval, C. L. & Petitt, B. (2008, 2009, 2010). *Understanding ourselves, others and valuing diversity. Lonestar Community College Annual LEAD! Conference, Houston, TX.*

Sandoval, C. L. (March 2001). Women in higher education. Annual Latina Appreciation Conference. College Station, TX).

Sandoval, C. L. (August 2001). Overcoming obstacles and seizing opportunities *ExCEL (Excellence Uniting Culture, Education and Leadership) 14<sup>th</sup> Annual Conference, College Station, TX.*

Sandoval, C. L. & Petitt, B. (October 2001). Successfully communicating across differences. *Texas Association of Student Financial Aid Administrators, Galveston, TX.*

Sandoval, C. L. (February 2000). Reclaiming our past and creating our future. *Annual Southwest Conference on Latino Affairs, College Station, TX.*

Sandoval, C. L. & Ornelas, G. (March 1997). The interwoven fabric of identity. *University of New Mexico Women Studies Conference, Albuquerque, NM.*

### **Editorial Service**

Reviewer for *Journal of Microbiology and Biology Education*



Reviewer for *Adult Education Quarterly*  
Reviewer for *Adult Learning*  
Reviewer for the *International Journal of Qualitative Studies in Education*  
Reviewer for *Studies in Continuing Education*

### **Courses Taught**

- Adult Learning—Graduate course (online)
- Diversity and Globalization in the Workplace-Undergraduate course (online and face-to-face)
- Applied Learning Principles-Undergraduate course (Writing Intensive Course with Study Abroad field trip to Costa Rica)
- Application of Learning Theories to College Studies-Undergraduate course
- Introduction to Scholarly Research-Undergraduate course
- Advanced Qualitative Research Methods—Narrative Analysis-Graduate course (co-instructor)
- Social Justice Issues in Higher Education-Undergraduate course (co-instructor)
- Leadership of the Civil Rights Movement-Undergraduate course (co-instructor)

### **Professional Memberships**

- American Society for Engineering Education
- Professional and Organizational Development Network

### **Independent Consulting**

- Brazos Valley Juvenile Services
- LoneStar College, North Harris
- University of Notre Dame
- State University of New York—The College at Brockport
- Professional Careers Institute

### **Selected Service Activities**

- Co-Chair—*Collective Impact Workgroup on Inclusive Instruction*
- Member—*Diversity, Equity, and Inclusion (DEI) Program Taskforce*
- Member—*Eighth College Academic Plan Workgroup*
- Member—*HSI workgroup*
- Member—*UC Teaching & Learning Center Director Consortium, holistic teaching evaluation workgroup, UC San Diego*
- Member—*Holistic evaluation of teaching workgroup, UC San Diego*
- Member—*DEI course workgroup, UC San Diego*
- Member—*Committee to support faculty, UC San Diego*
- Member—*Search committee, Assistant Vice Chancellor for Student Retention and Success, UC San Diego*
- Member—*Transfer student experience workgroup, UC San Diego*
- Member—*New student onboarding workgroup, UC San Diego*
- Member—*Student Success Collaborative, gateway course subcommittee, UC San Diego*
- MANA de San Diego—*General member and Scholarship Committee member*

- Selection Committee Member—*Association of Former Students Faculty Teaching Awards, Texas A&M University*
- Selection Committee Member—*Hispanic Studies Graduate Assistant Awards, Texas A&M University*
- University Research Team Member—*Non-Matriculating Hispanic Student Study Team, Texas A&M University*
- President—*Aggie Allies, a program that provides support and resources to the gay, lesbian, bisexual, transgender community, Texas A&M University*
- Treasurer—*Brazos Valley American Society for Training & Development, College Station, TX*
- Aggie Access Learning Community Mentor—*Mentor to first year students, Texas A&M University*
- Division of Finance Representative—*Diversity Operations Committee, Texas A&M University*
- Treasurer—*Professional Hispanic Network, Texas A&M University*

### **Selected Honors and Awards**

- Finalist for the 2017 POD Innovation Award for the Center for Teaching Excellence’s *Program (Re)Design Model for a Learner-Centered Curriculum* (team award).
- Anselm Strauss Award for innovative qualitative research from the Qualitative Family Research Council for: The making of a “Star”: An ethnodramatic representation of Jasmine’s story. *Qualitative Inquiry*, 20(4), 522-532. doi:10.1177/1077800413513727
- President’s Meritorious Service Award nominee, 2014, Texas A&M University
- Division of Finance Keys to Excellence Team Award, 2010, Leadership Institute Implementation Team, Texas A&M University
- Aggie Access Namesake for the “Sandoval House” Learning Community, 2008-2010
- Service Award (Advisor), 2007, Kappa Delta Chi Sorority, Inc., Texas A&M University
- Staff of the Year Award, 1997, University of New Mexico, El Centro de la Raza
- Service Award, 1993, presented by Mujeres Unidas, University of California, Riverside
- Service Award, 1993, presented by *Nuestra Cosa*, University of California, Riverside