Alison McCurdy

Associate Dean, College of Natural and Social Sciences
California State University Los Angeles
Los Angeles, CA 90032

EDUCATION

1995 Ph. D. (Organic Chemistry), California Institute of Technology, Pasadena, CA.
Dissertation: Cation-pi and Polarizability Effects in Biomimetic Catalysis and the Design of a Photoactive Donor-Cyclophane-Acceptor-Triad.
1988 B. S. (Biological Chemistry), University of Chicago, Chicago IL.

PROFESSIONAL APPOINTMENTS

July, 2023- present	Associate Dean, College of Natural and Social Sciences, California State University, Los Angeles
2022- 2023	Interim Associate Dean, College of Natural and Social Sciences, California State University, Los Angeles
2019-2022	Interim Associate Director, Honors College, California State University, Los Angeles
2016-2019	Department Chair, Department of Chemistry and Biochemistry, California State University, Los Angeles
2012-Present	Professor, Department of Chemistry and Biochemistry, California State University, Los Angeles
2008-2012	Associate Professor, Department of Chemistry and Biochemistry, California State University, Los Angeles
2002-2008	Assistant Professor, Department of Chemistry and Biochemistry, California State University, Los Angeles
1996-2002	Assistant Professor, Department of Chemistry, Harvey Mudd College, Claremont CA
1994-1996	Camille and Henry Dreyfus Postdoctoral Fellow, Department of Chemistry and Biochemistry, CSU Fullerton, Fullerton CA

LEADERSHIP DEVELOPMENT

2024 CSU Leadership Academy. (July-October, 2024)
2022 UCLA University Women's Leadership Academy. UCLA School of Education Information Studies, virtual (45 hours over 5 months)
2018 Higher Education Resource Services (HERS) 2-part Inclusive Leadership Series, virtual
2016 Project Kaleidoscope (PKAL) Summer Leadership Institute for STEM Faculty. Adamstown, MD, (1-week residential program)

ACADEMIC LEADERSHIP AND MANAGEMENT EXPERIENCE

Associate Dean, College of Natural and Social Sciences, Cal State LA (July 2023-Present, Interim July 2022-23).
Under the direction of the College Dean, and as a member of the College leadership team, primary responsibilities include: Student Success Initiatives, College of Natural and Social Sciences (NSS) Advisement Center (5-10 staff advisors and one director), Curriculum, Program Review, Assessment, Graduate Dean, Supervision Course Pre-approval, Professional and Global Education, Introduction to Higher Education Course Coordination, Lecturer review, College Liaison for Grant/Foundation Projects, Faculty Professional Development, Honors Convocation and Commencement liaison, Enrollment Management, Faculty Affairs, Space Utilization, Lab Safety, Oversight of the Urban Ecology Center. The College of Natural and Social Sciences is committed to programs of academic excellence in the fields of natural and social sciences that provide access and opportunity for a uniquely diverse student body. The College of NSS reflects a diversity of disciplines through its inclusion of 11 departments and interdisciplinary programs that serve nearly 4,000 undergraduate majors and over 450 graduate students. Departments and programs include: Anthropology, Biological Sciences, Chemistry & Biochemistry, Geography Geology & Environment, History, Latin American Studies, Mathematics, Physics & Astronomy, Political Science, Psychology, Sociology. These departments have 134 Tenured/tenure track faculty and 144 lecturers.

- Developed and implemented New Faculty Mentoring Circles to provide interdisciplinary support for pairs of new faculty in different departments to promote faculty retention.
- Reviewed and approved grant proposal budgets (49 approved and $5.2M awarded in FY 24-25); worked with faculty on NSS matching requests and letters of support; supported institutional grants housed in NSS.
- Guided department chairs to adopt strategic scheduling approaches, achieving cost savings without reducing student access, part of a response to a 16% decrease in instructional budget relative to last year's spending.
- Overseeing operations of the Department of Geography, Geology, and Environment AY25-26, supporting and facilitating faculty reimagining their curriculum to be career-focused, distinctive, and attractive to students.
- Administratively supported Voices Opposing Injustice through Community-Engaged Scholarship – a DoE MSEIP grant to increase the capacity for community-based learning at Cal State LA and Pasadena City College and increasing the enrollment, retention, and transfer of underserved students in STEM.
- Supervised the NSS Director of Student Success and Advising to improve the quality of service, availability of advisors, re-enrollment efforts, and communication between staff and faculty advisors.
- Collaborated with the Career Center and Procurement to create a pipeline for paid internships with industry partners; implemented campus procedures for internships for academic credit and department-based procedures for clinical placements.
- Facilitated the creation of action plans and curriculum innovation to address low-degree-conferring academic programs and the development of interdisciplinary programs.
- Piloted the consolidation of first-year math multisection coordination duties (~1100 sections) to one coordinator as part of a larger strategy to increase student success in quantitative reasoning courses

- Oversaw curriculum proposal review at the College faculty level and reviewed proposals at the College Dean level (140 proposals during AY 24-25); Identified curriculum from other colleges that requires consultation with NSS faculty; supported faculty program review cycle (annual reports and 5-year reviews)

Associate Director, Honors College, Cal State LA, (2019-2022).
This fully administrative position combines subsets of responsibilities of a Department Chair, an Associate Dean, and a Director of Student Success and Advising. Under the direction of the College Director, responsibilities included recruitment, admissions, advising (as the Director of Student Success and Advising for the Honors College), scholarships, community engagement, leadership development, scheduling, staffing, assessment, and Honors College Thesis requirements. The Honors College had approximately 300 students from all majors across the University, and also housed the Early Entrance Program (for select students 11-15 years old entering College). Honors College curriculum consisted largely of General Education courses.

- Overhauled recruitment, application, and reviewing processes to increase the diversity of the entering class of Honors College students, increasing, for example, the % Hispanic freshmen students from a 3-year average of 34% (F17-19) to 53.5% (F20-22)
- Transformed budgeting, planning, recordkeeping, and communications related to single and multiyear scholarships (~$750,000 awarded annually), resulting in a sustainable fiscal model, fewer errors, and improved transparency to students.
- In the context of a cohort model for both entering freshmen and entering juniors, implemented longer-term enrollment planning and implementation in response to significant changes to the Honors College Program course requirements and a quadrupling of the entering junior cohort from approximately 10 to 40
- Collaborated with the Registrar and Institutional Effectiveness to correct and validate past records, devise a new student coding process, and create an equity dashboard for Honors College students, resulting in improving the ability to identify alumni for Advancement, and for the first time enabling the analysis of Honors College student characteristics, graduation rates, and Honors College Plan completion rates by equity variable
- Partnered with the University Career Center to transform a required career and leadership development course from a one-size-fits-all approach to one that meets students where they are, developing students' career planning skills through professional career advisor instruction and feedback on student work
- Developed and implemented advising processes and practices with the Honors College staff advisors that were more aligned with those adopted by the other College Advising Centers, resulting in more consistent, documented, and proactive advising for students beyond their first year
- Coordinated the Honors College Introduction to Higher Education to ensure a core set of content and assignments were delivered across sections
- Created, implemented, and assessed the first scaffolded multiyear Leadership Development Program for the Honors College students in consultation with the Honors College Steering Committee, filling a significant gap in direct instruction supporting the Honors College Program outcome relating to Leadership

- Revised Honors College Culminating Project Guidelines to provide flexibility so reports can reflect disciplinary norms across the university and consistency with Honors College Program outcomes

Chair, Department of Chemistry and Biochemistry, Cal State LA (2016-2019)
During this time period the department was the 4th largest in the College (560 - 753 undergraduate majors; 38-56 graduate students), serving significant numbers of other majors' cognate courses. There were 15 tenure-track faculty, 30 lecturers, and 8 staff. Department Chair areas of responsibility included: Administration, Leadership, Course programming (scheduling and staffing ~130 - 170 sections), Personnel Actions, Representation, Budget, Staff Appointment and Supervision, Planning and Coordination, Collaboration, Liaison, and Conflict Resolution.

- Addressed significant student demand (200 students waitlisted) for lower division gateway courses for majors and nonmajors in collaboration with a faculty and staff working group through changes in scheduling, glassware and equipment sharing, and utilization of instructional support technicians, increasing the laboratory class capacity from 936 to 1248 students.
- Monitored low-enrolled courses in the upper-division undergraduate Chemistry and graduate Chemistry program offerings during the academic year and self-support summer
- Developed and implemented a billing system for all users of shared instrumentation (Nuclear Magnetic Resonance (NMR) and Mass Spectroscopy (MS), allowing these instruments to be maintained when significantly less indirect cost funds were returned to the department
- Produced a graduate student handbook in consultation with the Graduate Studies Committee, and implemented a staff review of prospectus completion before issuing permits, improving graduate student advising
- Increased faculty engagement in improving general chemistry as well as improved student experiences in the course through a series of department-wide discussions about general chemistry completion rates and equity/opportunity gaps, and mentored the faculty involved in the Low Completion Rate Course Redesign
- Developed a new lecturer handbook, improving onboarding of new lecturers as well as providing helpful information to which all instructors could refer

Faculty Director of PrESTIGE program (2011-2014)
This funded project (Progress and Engage Students Through Integrated General Education) was a partnership with East Los Angeles College to create a GE learning community across institutions with an environmental theme, working with the nonprofit Friends of the LA River. The curriculum involved linked English Composition, Chemistry, and Statistics courses.

- Facilitated a series of challenging conversations among English, statistics, and chemistry faculty with the aim of re-thinking what and how to teach non-majors science and math courses to engage and support students using an environmental theme and identifying how to embed teaching the essential skills of reading and writing in science and math classes.
- Managed problem-solving surrounding inter- and intra-institutional barriers to creating a cross-institutional and multi-disciplinary learning community

SCHOLARLY INTERESTS

I am a physical organic chemist focused on using organic chemistry as a tool to answer fundamental questions about molecular life processes. My research goal was to develop a light-triggered molecular switch that could control calcium concentrations *in vitro* and *in vivo*. I also have worked to understand intermolecular forces such as the cation-pi interaction that give shape and function to proteins. Finally, I am interested in chemistry education research.

PROFESSIONAL ORGANIZATIONS

American Chemical Society; American Association of the Advancement of Science; Council on Undergraduate Research; American Association of University Women; Association of Women in Science

TEACHING EXPERIENCE

California State University, Los Angeles (2002-2021):
Introduction to Higher Education (lower division General Education), Molecules Matter (lower division General Education), General Chemistry Laboratory, General Chemistry Lecture, Organic Chemistry Lecture, Organic Chemistry Laboratory, Drug Discovery and Design, Modern Photochemistry and Photobiology, Advanced Organic Chemistry, Bioorganic and Bioinorganic Chemistry, Writing for Chemists, Honors Declaration, Honors Declaration for Juniors.

Harvey Mudd College (1996-2002):
General Chemistry, Organic Chemistry, and Biochemistry lecture and laboratory courses; Bioorganic Chemistry; The Origin of Life in the Universe

California State University, Fullerton (1994-1996)
Organic Chemistry Lecture, Biochemistry Laboratory

HONORS AND AWARDS

2018-19	Cal State LA College of Natural and Social Sciences Grand Marshal
2012	Early promotion to Full Professor
2009-10	Cal State LA Grand Marshal
2009	Cal State LA Distinguished Woman Award
1996-1999	Barbara Stokes Dewey Assistant Professorship at Harvey Mudd College

SELECTED PUBLICATIONS

Research Publications (undergraduate and graduate research students in bold)**:**

"A Photoprotective Effect by Cation-pi Interaction? Quenching of Singlet Oxygen by and Indole-Cation-pi Model System" **Arevalo, G. E.; Cagan, D. A.; Monsour, C. G.; Garcia**, A. McCurdy, A.; Selke, M. *Photochem. PhotoBiol*, **2020**, *96*, 1200-1207.

"X-ray, kinetics and DFT studies of photochromic benzothiazolinic spiropyrans" Kumar, S.; **Velasco, K**.; McCurdy, A. *J. Mol. Struct*. **2010**, *968*, 13-18.

"Synthesis, photochromic properties, and light-controlled metal complexation of a naphthopyran derivative" Kumar, S.; **Hernandez, D.; Hoa, B.; Lee, Y. Yang, J. S.**; McCurdy, A. *Org. Lett.* **2008**, *10*, 3761- 3764.

"Synthesis and metal complexation properties of bisbenzospiropyran chelators in water" Kumar, S.; **Chau, C.**; **Chau, G**.; McCurdy, A. *Tetrahedron* **2008**, *64*, 7097-7105.

"Intramolecular Arene Epoxidation by Phosphadioxiranes" Zhang, D.; Gao, R. **Afzal, S.**; **Vargas, M**; Sharma S.; McCurdy, A; Yousufuddin, M.; Stewart, T. Bau, R. Selke, M. *Org. Lett*. **2006**, *8*, 5125-5128.

"Substituent effects on thermal decolorization rates of bis-benzospiropyrans" **Lu, N.T.**; **Nguyen, V. N.**; Kumar, S.; McCurdy, A. *J. Org. Chem*. **2005**, *70*, 9067-9070.

"Synthesis and Characterization of a Novel Calcium-Selective Chelator." McCurdy, A.; **Kawaoka, A. M.**; **Thai, H.; Yoon, S.** *Tetrahedron Lett.* **2001**, *42*, 7763-7766.

"Experimental and computational studies of cation-pi interactions in natural and synthetic receptors. Benzene as a pseudoanion." Dougherty, D. A.; Kearney, P. C.; Mizoue, L. S.; Kumpf, R. A.; Forman, J. E.; McCurdy, A. In *Computational Approaches in Supramolecular Chemistry*, Wipf, G., Ed. NATO ASI Series, Series C: Mathematical and Physical Sciences 1994; Vol. 426, pp 301-9.

"Molecular Recognition in Aqueous Media. New Binding Studies Provide Further Insights into the Cation-p Interaction and Related Phenomena." Kearney, P. C.; Mizoue, L.S.; Kumpf, R.A.; Forman, J. E.; McCurdy, A.; Dougherty, D. A. *J. Am. Chem. Soc.* **1993**, *115*, 9907-9919.

"Biomimetic Catalysis of S_N2 Reactions through Cation-π Interactions. The Role of Polarizability in Catalysis." McCurdy, A.; Jimenez, L.S.; Stauffer, D. A.; Dougherty, D. A. *J. Am. Chem. Soc.* **1992**, *114*, 10314-10321.

Textbook co-author**:**

Momand, J.; McCurdy, A. Concepts of Bioinformatics and Genomics, 1st Ed. Oxford University Press USA: New York, 2016.

SELECTED PRESENTATIONS

November, 2022. Talk. "Developing sophomore honor students' career self-authorship with an adaptable curricular model: A Student Life and Academic Affairs Collaboration.: 2022 NASPA Western Regional Conference. Co-presenter: Michelle Lovasz, Cal State LA Career Center

April, 2021. Panel Organizer and Moderator. "Making A Difference Through Inclusive Leadership" (virtual). 10th Anniversary of the Honors College. Panelists: Melody Klingenfuss

(Organizer California Dream Network), Brian Luckett (Industrial Engineering Manager, UPS), Monica Sharif (Assistant Professor of Management, Cal State LA)

October, 2020. Panel. "Re-visioning recruitment, admissions, and programming for a more diverse Honors College" National Society for Minorities in Honors National Conference. Co-presenters: Dr. Rennie Schoepflin; Ms. Marylu Castillo

April, 2016. Panel. 'Making the Transition to Civic Engagement: Shifting Student and Faculty Mindsets about Civic Learning in a Transition to Higher Education Course." Co-presenters: Dr. Cat Haras; Dr. Mike Willard, Dr. Harry Conley. WASC Academic Resource Conference. Garden Grove, CA.

February, 2015. Poster. "HIP times 4 = higher graduation rates?" (co-presenters: M. Willard, H. Ye, S. Landsberger). New Paradigms and Pathways in General Education (Give Students a Compass Initiative). CSU Sacramento.

October, 2013. Poster. "Reinventing a GE Chemistry Course for an Integrated Environmentally-Themed Learning Community." AAC&U Conference on Transforming STEM Education: Inquiry, Innovation, Inclusion, and Evidence. Sand Diego, CA. Co-Presenter: Dr. V. Jaramillo, East Los Angeles College.

February, 2013. Poster. "Compass II Engaged Environmental GE for Accelerated Student Success." Give Students a Compass Meeting March 2013. "The future of General Education Context, Collaboration, and Competencies.

July, 2012: Invited speaker, Telluride Science Research Center Workshop: Making and Breaking Bonds with Light: "Optimizing a Reversible Photocage for Calcium Ions."

February, 2012: Invited speaker, East Los Angeles College "Molecular Attractions: Peptides and Photoswitches"

February, 2011: Invited speaker, UCSD Department of Chemistry & Biochemistry Organic Chemistry Seminar Series: "Controlling molecular shape to explore biochemical processes: Peptides and Photochromes"

March, 2011: Invited speaker (Remsen Bird Lecturer), Occidental College Department of Chemistry Seminar Series: "Small Molecule Mimics of Protein Structures and Biological Calcium Signals"

June, 2009: Poster, American Peptide Symposium, Bloomington, IN: "Cation-pi interactions in model helical peptides"

June, 2008: Poster, American Society for Photobiology, Burlingame, CA: "Binding characteristics of a photochromic calcium-chelating naphthopyran"

June, 2007: Poster, Gordon Research Conference on Bioorganic Chemistry, Andover, NH: "Pairwise Side Chain Interactions"

January, 2006: Talk, Western Regional ACS Meeting, Anaheim, CA: "Designing a reversible photocage for calcium ions"

January, 2005: Poster, Inter-American Photochemical Society Conference, Clearwater Beach, FL: "Substituted bis-benzospiropyran as a potential scaffold for photoswitchable calcium chelators"

September, 2004: Poster, 4th Annual International Symposium on Photochromism, Arcachon, France: "Bis-benzospiropyran as a potential scaffold for photoswitchable calcium chelators"

October, 2003: Talk. Western Regional ACS Meeting, Long Beach, CA: "Design and Synthesis of Photochromic Calcium Ion Chelators"

FUNDING

Selected Education grant proposals funded**:**

California State University Los Angeles Assessment Mini-Grant Program AY 19-20. Assessing the "Inquiry, Analysis and Research" Honors College Program Learning Outcome. $2000

California State University Chancellor's Office Give Students a Compass II, (A. McCurdy, PI). Winter, 2011. Engaged Environmental General Education for Accelerated Student Success. $82,000.

California State University Center for Community Engagement 2011-2012 Engaged Department Implementation Grants for Science Teams (A. McCurdy, PI). Fall, 2011. "Empowering and Advancing Science Literacy Throughout Los Angeles (STEM in East LA)." $5,000.

California State University Program for Education and Research in Biotechnology (CSUPERB), (A. McCurdy, PI, P. Krug co-PI). Spring, 2005. Development of a Drug Discovery Course at CSULA. $14,998.00.

National Science Foundation ILI-ID (K. Karukstis, PI; A. McCurdy co-PI) 1997. Introduction of Circular Dichroism and Stopped Flow Spectroscopy in Chemistry Laboratories -- $36,442.

Selected Research grant proposals funded:

National Institute of Health NIGMS SC3. Development of a novel photoreversible Ca^{2+} chelator to mimic calcium signaling. A. McCurdy, PI. 4/1/2010-3/31/2014. $433,500.

National Institutes of Health – CSULA-RIMI: Faculty Career Development, Core Facility, and Biomedical Research Capacity Building. (D. Cardoza, PI; F. Zhou PD; A. McCurdy, Co-PI). 2005-2010. $4,563,497

National Science Foundation – Major Research Instrumentation (J. Momand, PI; A. McCurdy, co-PI) Acquisition of a Proteome Analyzer: 2004-2007. $347,328

National Science Foundation – Major Research Instrumentation (Y. Ba, PI; A. McCurdy, co-PI). Instrument Acquisition for Upgrading NMR Facilities at CSULA. 2006-2008. $542,162

PREM SEED Grant awarded by Dr. F.Gomez, director of CSULA's NSF-PREM Program. Molecular Recognition in Peptides: Fundamental Studies for Materials Science Applications. 2006-2007. $25000

National Institute of Health MBRS-SCORE Program. Development of a novel photoreversible Ca^{2+} chelator to mimic calcium signaling. (C. Gutierrez, PD; A. McCurdy PI of subproject). 2004-2008. $644,961

National Science Foundation Major Research Instrumentation. Acquisition of a 300MHz NMR Spectrometer for Research in Chemistry by Harvey Mudd College. (H. Van Ryswyk, PI; A. McCurdy, co-PI). 1997-2000. $149,100

American Chemical Society PRF-G, "Synthesis, Characterization, and Applications of a Photoreversible Calcium Chelator" (A. McCurdy, PI). 1997-1999. $20,000

PROFESSIONAL DEVELOPMENT

Selected conferences and workshops:

- 2026 AAC&U Transforming STEM Higher Education Conference (March18-20, 2026).
- 2026 CSU Natural Science Dean's retreat, Sonoma State (Feb 1-3, 2026)
- 2024 CSU Natural Science Dean's retreat, CSU Fresno
- 2023 CSU Natural Science Deans retreat, CSU Channel Islands
- 2023 CSU Deans of Arts, Humanities, and Social Sciences gathering at Cal State Northridge
- 2023 CSU Professional Fundraising for Deans and Academic Leaders (virtual)
- National Collegiate Honors Council Annual Conference "Centering Community", September - November, 2020 [virtual]
- National Collegiate Honors Council Annual Conference "Disrupting Education – Creativity and Innovation in Honors", November, 2019, New Orleans, LA
- 2019 AAC&U TIDES (Teaching to Increase Diversity and Equity in STEM) Institute, Los Angeles, CA June 10-14, 2019.
- Annual Chair's Workshop, CSU Long Beach, Fall, 2016
- Annual AHSIE (Alliance of Hispanic Serving Institution Educators) Best Practices Conference, CSU Channel Islands. March, 2016
- 2014-2015 Faculty Learning Community for New and Future Chairs (A. Young and C. Koos, facilitators)
- 18th CSU Symposium on University Teaching "Grit - Exploring Perseverance, Mindset, and Character in the Classroom." Cal State LA March, 2015.
- Building the CSU's Capacity to Institutionalize High Impact Practices San Diego Westin Gaslamp, San Diego, CA. March, 2015
- AAC&U Diversity, Learning, and Student Success: Assessing and Advancing Inclusive Excellence, San Diego, CA. March, 2015

- 2015-16 Faculty Learning Community - Introduction to Higher Education Pilot Projects: Civic Learning as Problem Solving.
- 2013-2014 STEM Academic Success Academy (by CETL) Faculty Learning Community (N. Warter-Perez and J. Dong, facilitators)
- 2013 STEM Faculty Summer Institute (by Center for Effective Teaching and Learning at Cal State LA)
- "Environmental Education and Sustainability at CSULA" CSULA, February, 2013.
- "New Partnerships for a New Economy: A Guide to Effectively Prepare STEM Students for Careers of Choice," STEM C3 Symposium, CSU Fullerton, February, 2012.
- AAC&U Institute on High Impact Practices and Student Success. Burlington VT, June 14-18, 2011.
- CSU Engaged Department Institute: The Sciences. Long Beach, CA, June 20-22, 2011.
- "The Chemistry of Leadership" sponsored by the Committee on the Advancement of Women Chemists. Anaheim, CA. March, 2011.
- "Networking for Engaged STEM Learning" Project Kaleidoscope Southern California Network Gathering, University of La Verne, February, 2011.
- Supporting Women in STEM: Sharing Best Practices – A CSU-Wide Conference for STEM Faculty and Academic Administrators Pomona, CA. September, 2010
- 2009 AAC&U Institute on General Education. Minneapolis, MN. May 30-June 3, 2009.

<u>Professional Service and Accomplishments Related to General Education, Curriculum Policy, and Curriculum Development</u>**:**

- Course Outline of Record Evaluator for C-ID (Course Identification Numbers) – community college articulation agreements in chemistry - ongoing
- Course development:
    - Redesigned HNRS 2900/3900 to focus on both career development and leadership development for Cal State LA Honors College students. (2022)
    - Created and implemented a Cal State LA Honors College Leadership Development curriculum effective Fall, 2021.
    - Piloted civic learning embedded in NSS 101. Adapted an AACU-STIRS case study on Growth mindset as part of a campus civic engagement project to address academic challenges through the promotion of growth mindset. (2016)
    - Organic Chemistry course redesign to include group projects to increase scientific literacy through the creation of Public Service Announcements about organic chemicals in the news. (2013-14)
    - Redesigned the lower division GE chemistry course CHEM 158/CHEM 1000 Molecules Matter (2012). Transformed it from a general chemistry survey course into one that explores various well-known environmental concerns, which become a vehicle to learn "just in time" about selected relevant chemistry knowledge and skills.
    - Co-Developed the approved new course CHEM/BIOL 444 Drug Discovery and Design with Patrick Krug (2004)
- Both member and chair of the following committees: University Educational Policy Committee member (2008-2011, 2014-2016) and Chair (2015) College of Natural and Social Sciences Educational Policy Committee member (2005-2014), and Chair (two years); Department Instructional Affairs committee member, chair (2005-2009; 2010-

present as Associate Chair, ex-officio member); Curriculum Subcommittee of the Educational Policy Committee member, Chair (2011-2014); General Education Revision Committee (2011-2014)

- Faculty Leadership Roles in Quarter to Semester (Q2S) Curriculum Conversion (2014-2015): University Q2S Steering Committee, College Curriculum Conversion Coordinator for NSS, Co-chair of the Q2S Recruitment and Pre-Enrollment Services Subcommittee, Department of Chemistry and Biochemistry Q2S Curriculum Conversion Committee

Additional Professional and Committee Service

UCLA University Women's Leadership Academy Advisory Board member and Panelist for entering cohorts (2024-present)

Administrative appointee to the search committee for Associate Dean, College of Business and Economics, Spring 2026

Administrative appointee to the search committee for Associate Dean, College of Engineering, Computer Science and Technology, Spring 2025

Administrative appointee to the search committee for the Vice President for Student Affairs and Enrollment Management, Fall 2024.

Ad hoc reviewer for papers submitted to *Organic Letters, Journal of Organic Chemistry, Tetrahedron, Tetrahedron Letters, Journal of Photochemistry and Photobiology-A Chemistry, Molecular Crystals and Liquid Crystals, Dyes and Pigments, Molecular Diversity, Letters in Organic Chemistry,* and *Journal of Chemical Education, Letters in Organic Chemistry, Journal of Undergraduate Chemistry Research*

Reviewer for proposals submitted to NSF-GRF (National Science Foundation-Graduate Research Fellowships), NSF-RUI (National Science Foundation - Research at Undergraduate Institutions), NSF, ACS-PRF (American Chemical Society - Petroleum Research Fund), and CSUPERB (California State University Program for Education and Research in Biotechnology)

External Reviewer for the Department of Chemistry and Biochemistry Cal Poly Pomona Program Review, March 12-13, 2018; March 3-4, 2025.

University Level: Academic Senator; Academic Senate Executive Committee; Enrollment Implementation Team Chair Representative; University Library Subcommittee; Student Educational Equity Advisory Committee; Honors Convocation and Commencement Committee; University Invention and Patent Evaluation Committee; Southern California Conference for Undergraduate Research (SCCUR) Planning Committee (Cal State LA hosted this conference in 2007)

College of Natural and Social Sciences (NSS) Level: 2017-18 NSS Strategic Planning Committee; Graduate studies Subcommittee; Student Affairs Subcommittee; NSS Steering Committee; Personnel Committee B; Personnel Committee A; Instructionally Related Activities Committee; 2015-16 Dean Search Advisory Committee

Department of Chemistry & Biochemistry Level: Associate Chair (2010-2016); Elections; Assessment Committee; Fiscal Affairs; Faculty Affairs; Graduate Studies Committee; Recruitment and Retention Committee; Organic Coordinator; Co-Advisor of the Chemistry & Biochemistry Club; Personnel Committee B; Personnel Committee A