

Lourdes E. Echevoyen

Director, Campus Office of Undergraduate Research Initiatives (COURI)

<http://couri.utep.edu>

Director, BUILDing SCHOLARS Center

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University of Texas at El Paso

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EDUCATION

University of Miami, Coral Gables, FL	B.S.	Major: Chemistry Minor: Mathematics	1982
University of Miami, Coral Gables, FL	Ph.D.	Physical Chemistry	1990

DISSERTATION

Lariat Ethers: From Electrochemically Enhanced Cation Transport to Supramolecular Assemblies

LANGUAGES

Fully proficient in both English and Spanish (speak, read and write)

PROFESSIONAL POSITIONS

Date	Title(s)	Employer
Oct 2014 – present	Director and Principal Investigator, BUILDing SCHOLARS Center (NIH funded)	University of Texas at El Paso 500 West University Ave. El Paso, TX 79968 915-747-5725
Aug 2010 – present	Director, Campus Office of Undergraduate Research Initiatives & Research Associate Professor of Chemistry	University of Texas at El Paso 500 West University Ave. El Paso, TX 79968 915-747-5725
Oct 2008 – Aug 2010	Manager, Global Education and Exchanges & Director, International Research Experiences for Undergraduates Exchange Program	American Chemical Society Office of International Activities 1155 Sixteenth Street, NW Washington, DC 20036 202-872-4088
Jan 2008 – Oct 2008	Consultant	American Chemical Society Education Division and Office of International Activities

		1155 Sixteenth Street, NW Washington, DC 20036 202-872-4587
Aug 2003 – Dec 2007	Director, Undergraduate Research Program	Clemson University Department of Chemistry 219 Hunter Laboratories Clemson, SC 29634-0973 864-656-3065
Jan 2001- Dec 2007	Lecturer	Clemson University Department of Chemistry 219 Hunter Laboratories Clemson, SC 29634-0973 864-656-3065
1998 – 2001	Post-doctoral Research Associate & Lecturer	University of Miami Department of Chemistry 103 Memorial Drive Coral Gables, FL 33146-0431 305-284-2174
1993 – 1996	Science Teacher	Belen Jesuit Preparatory School 500 SW 127 th Ave Miami, FL 33184 305-223-8600

OTHER POSITIONS

Date	Title	Employer
1987 – 1989	Teaching Assistant, Nuclear Magnetic Resonance Facilities	University of Miami, Department of Chemistry
1985 – 1987	Research Assistant	University of Miami, Department of Chemistry
1984 – 1985	Teaching Assistant, General & Physical Chemistry Laboratories	University of Miami, Department of Chemistry
1984 -1985	Science, Mathematics & Spanish Tutor	Jacksonville, FL
1983	Undergraduate Teaching Assistant, Organic Chemistry Laboratories	University of Miami, Department of Chemistry
1980 – 1982	Undergraduate Research Assistant	University of Miami, Department of Chemistry

TEACHING EXPERIENCE

Workshops

- Responsible Conduct of Research (for undergraduate students)
- Communicating Research to Technical & Non-technical Audiences (for undergraduate students)
- The Research Notebook and Writing Research Reports
- Writing a Personal Statement (for students)
- Developing a Professional Path (for undergraduate students)
- Preparing Abstracts and Conference Presentations (for undergraduate students)
- Mentoring Triads in Science (Faculty - Graduate Students - Undergraduate Students)
- Proposal Development (for faculty)
- Applying to Graduate School
- Finding Work-Family Balance in a Research Career

Higher Education Courses

- General Chemistry Honors I & II
- General Chemistry I & II
- General Chemistry I & II for non-science majors
- Lectures in Physical Chemistry
- ESR Spectroscopy Basic Principles and Application/ Instrument Operation Instructor
- Physical Chemistry Laboratory
- Advanced Physical Chemistry Laboratory
- Organic Chemistry Laboratory
- General Chemistry Laboratory

OTHER PROFESSIONAL SKILLS

- Grant writing
- Grant management
- Editing (English and Spanish)
- Proposal review
- Symposium organization
- Leading & supervising faculty and staff teams
- Laboratory equipment glassblowing
- Operation and maintenance of large chemical instrumentation: High Performance Liquid Chromatographers, Gas Chromatographers, Electron Spin Resonance Spectrometers, Nuclear Magnetic Resonance Spectrometers, Electrochemical Analyzers, Atomic Absorption Spectrophotometers

OTHER PROFESSIONAL & SERVICE ACTIVITIES

- Member at large, Executive Board of Directors, Council on Undergraduate Research (June 2023 – Present)
- Member, Hispanic Serving Research Universities (HSRU) Task Force (August 2022 - Present)
- Member, UTEP Hispanic Servingness Task Force (June 2020 – August 2022)

- Member, External Advisory Board, (NSF-CREST funded) Center for Innovation, Research, and Education in Environmental Nanotechnology, University of Puerto Rico, Rio Piedras (2019 - 2021)
- Member, Advisory Council, ALRISE Alliance, an NSF INCLUDES grant to Arizona State University (Jan 2022 -)
- Contributor/consultant, Workshop series to determine best practices at the student, faculty and institutional levels for different types of HSIs, University of Arizona, January 2021 to December 2021.
- Reviewer, NIH Review Panels (R-25, INBRE, P-20) (2017 -)
- Co-Chair, Executive Steering Committee, NIH Diversity Program Consortium (October 2015- August 2019)
- Member, Provost Advisory Board for UTEP Edge (September 2015 -)
- Reviewer, NIH Study Section for P20 Proposals (October 2018)
- Co-convenor, Working Group for “Reducing Achievement Gaps in STEM International Conference” (NSF-funded), Arlington, VA (May 2017)
- Member, UTEP Latino Alcohol and Health Disparities Research Center Advisory Board (Jan 2015 - Oct 2017)
- Member, UTEP Mexico Engagement Task Force, (September 2014-2015)
- Member, Internal Advisory Committee, NIDA funded UTEP VIDA (Vulnerability Issues in Drug Abuse) Project (September 2013-2017)
- Director, UTEP-Shantou University (China) Summer Research Exchange Program for Chemistry Undergraduates (May 2012 – August 2019)
- Chair, Undergraduate Research Committee, Provost STEM Council, University of Texas at El Paso, (October 2011-2015).
- Member, Task Force & Planning Committee – American Chemical Society - NSF funded ChemEd Bridges Workshop “Facilitating Student Transfer Between Two and Four Year Institutions”, (Oct 2011-May 2013).
- Member, Global Readiness Task Force – Jointly between the Committee on Economic and Professional Affairs and the International Activities Committee, American Chemical Society, (2011-2012).
- Organizer, Symposium on “Water, Energy, Health and Education: Working Together for Global Solutions”, 245th American Chemical Society National Meeting & Exposition, New Orleans, LA, (April 8, 2012)
- Co-organizer symposium on Fullerenes and Supramolecular Chemistry, 43rd IUPAC Congress, San Juan, PR, (July 31-August 6, 2011).
- Organizer, Spring and Summer COURI Symposia, University of Texas at El Paso, (2011-present).
- Editor, COURI Symposium Online Abstract Series, University of Texas at El Paso, (2011-present).
- Member, Committee on Minority Affairs, American Chemical Society, (2010-2015) and Chair, Communications Sub-Committee, (2012-2014).

- Member, Committee on International Activities of the Division of Chemical Education, American Chemical Society, (2010-2015).
- Associate Member, International Activities Committee, American Chemical Society, (2010-2011).
- Recruiter for the American Chemical Society International REU program in Chemistry, Southwest Regional Meeting (SWRM) of the American Chemical Society, El Paso, TX, (November 4-7, 2009).
- Judge, undergraduate research presentations in chemistry, Historically Black Colleges and Universities Undergraduate Program (HBCU-UP) National Research Conference, Washington, DC, (October 30, 2009).
- Recruiter for the American Chemical Society International REU program in Chemistry, Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) National Conference, Dallas, TX, (October 15-18, 2009).
- Judge, undergraduate research presentations in physical chemistry, Southeastern Regional Meeting of the ACS (SERMACS), San Juan, PR, (October, 2009).
- Reviewer of Spanish translations and recorder of podcasts (female voice) for ACS National Chemistry Week: Nuevos Combustibles, Atomos, & Elemento, (2008 & 2009).
- Organizer, ACS International REU symposia, ACS National Fall Meetings (2008-2010).
- Review panelist, National Science Foundation -Science & Technology Centers, Research Experiences for Undergraduates Program, Math & Science Partnership Program, Scholarships in STEM Program, (2005-present).
- Recruiter for Graduate and REU programs in Chemistry at Clemson University, University of Puerto Rico - Rio Piedras, Cayey, Humacao, and Mayaguez. Recruiting presentation conducted in English and Spanish, (January & October 2007).
- Sabbatical replacement advisor to the Student Affiliates Chapter of the American Chemical Society (SAACS) at Clemson University, (2004-2005).
- Member, Committee of Undergraduate Curriculum, Clemson University, Chemistry Department, (August 2004-2008).
- Editor, Summer Undergraduate Research Program Final Symposium Abstract Books, (2003-2007).
- Organizer, College-wide REU Symposia, Clemson University, (2003-2007).

HONORS AND AWARDS

- President's Meritorious Service Award, The University of Texas at El Paso, August 2023.
- Hispanos Triunfadores 2022 Award, City of El Paso Chamber of Commerce
- NSF-DUE: "Accelerating STEM Success through Experiences for Transfer and Third-Year Students (ASSETS)". Award No 2130075 (2021-2027) – co-PI
- DOE-NNSA (MSI Program): "Consortium for Hybrid and Resilient Energy Systems (CHRES)". Award No DE-NA00003982 (Sub-award from Universidad Ana G. Mendez, Gurabo, PR) (2020-2025) – co-PI/co-Director

Karina Canaba	Program Manager of COURI	July 2012 - Sep 2013
Luis Gutierrez	Work-study - Web Design & Maintenance	Jan 2012-Aug 2013
Karina Canaba	Associate Director of COURI	Sep 2013 - present
Eduardo Corral	Work-study - Web Design & Maintenance	Jun 2012 - Sep 2012
Joseph Ramos	Program Manager (COURI)	Nov 2013 - present
Hector Daniel Villareal	Work-study - Web Design & Maintenance	Sep 2012-May 2013
Brenda Velazquez	Program Manager	Sep 2013 - Mar 2015
Nallely Medina	Work-study - Web Desing & Maintenance	Sep 2013-Dec 2018
Erin Messermith	Project Specialist - BUILD Planning Grant	Oct 2013 - May 2014
Enrique Martinez	Work-study - IT Assistance	June 2014 - July 2015
Evelyn Lopez	Assistant Director of BUILDing SCHOLARS	Dec 2014 - present
Laura Diaz-Martinez	Associate Director of COURI	Jan 2015 – Aug 2019
Carlos J. Gonzalez	Education & Outreach Coordinator for BUILDing SCHOLARS	Jan 2015 – Nov 2016
Lorena Orozco	Project Specialist for BUILDing SCHOLARS	Jan 2015 - present
Yoliet Vela-Garcia	Administrative Assistant for BUILDing SCHOLARS	Feb 2015 – May 2017
Alejandro Miramontes	Instructional Technologist for BUILDing SCHOLARS	Feb 2015 - present
April Vise	Science Writer/Editor for BUILDing SCHOLARS	April 2015 – Dec 2017
Brenda Jimenez	Program Manager (COURI)	Sep 2015 – Feb 2019
Diana Ortiz	Education and Outreach Coordinator for BUILDing SCHOLARS	Jan 2017 – May 2019
April Quintana	Administrative Services Coordinator	March 2017 - present
John P. Garza	Science Writer	April 2018 - present
Luis Alberto Rocha	Program Manager (COURI)	Aug 2019 – March 2020
Fabian Barragan	Education and Outreach Coordinator for BUILDing SCHOLARS	March 2019 - present
Karina Terrazas	Program Manager (COURI)	June 2021 - present
Annie Kucskar	Program Manager (COURI)	March 2022 - present
Amie Kern	Post-doctoral Fellow	Jan 2023 - present

- American Chemical Society, Office of International Activities

Angelica Lorisme	Temporary Administrative Assistant	Apr - Aug 2010
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Kara Lightman	Temporary Administrative Assistant	Nov 2009 - Apr 2010
• Clemson University, Chemistry Department		
David Matthews	Administrative Assistant - part time for Chemistry REU program	2006-2007
JoAnne Margosian	Administrative Assistant - part time for Chemistry REU program	2003-2006
Raul Hernandez	Graduate Teaching Assistant	2004-2005
Ashwin Rao	Graduate Teaching Assistant	2003-2004
• University of Miami, Chemistry Department		
Robert Alvarado	1 st year Graduate Student	1998-1999
Lourdes Portugal	Junior Undergraduate	1988-1999
George Virgil	High School Senior	1997-1998
Mary Herter	Senior Undergraduate	1985-1986

PRESENTATIONS (Since 2009)

1. <u>L.E. Echegoyen</u> , R. Aguilera, G. Corral, A. Monarrez, C. Reyes, A.E. Wagler, "Developing the Biomedical Researchers of the Future at a Hispanic Serving Institution". Oral presentation at the 2023 Understanding Interventions that Broaden Participation in Science Conference, Salt lake City, August 26, 2023 .
2. <u>L.E. Echegoyen</u> , L.Marquez Magana, and C. Hohmann, "Real discussions about building sustainable change". Invited presentation and panel moderator at the <i>2023 DPC Annual Grantees Conference</i> , Los Angeles, CA, June 27, 2023
3. A. Byars-Winston, <u>L.E. Echegoyen</u> , K. Norris, C. Pfund, and M. Estrada (Moderator), "Ending Well". Invited panel presentation at the <i>2023 DPC Annual Grantees Conference</i> , Los Angeles, CA, June 27, 2023
4. L.E. Echegoyen, "Leveling the Field: Contributions to Diversity, Equity and Inclusion by a Hispanic Serving Institution through Undergraduate Research". Invited presentation at the <i>Diversity, Equity & Inclusion Symposium</i> held during the <i>American Chemical Society Southwest Regional Meeting</i> , Austin, TX, October 31, 2021
5. L.E. Echegoyen, "Broadening, Tracking & Sustaining UGR Programs to Advance DEI in the STEM Workforce: A Pretty Darn Good Idea for a HSI". Invited presentation at the <i>Reimagining Diversity and Equity in Ho nor of Robert Lichter Symposium</i> held during the <i>262nd American Chemical Society National Meeting</i> , Atlanta, GA, August 23, 2021
6. A. Monarrez, T. McCabe, <u>L. E. Echegoyen</u> , and A. Wagler, "Opportunities and Pathways to Biomedical Research Careers: Program Outcomes at a Large HSI". Presentation a the 13 th Annual Alliance for Hispanic Serving Institution Educators Best Practices Conference (virtual), March 15-17, 2021

7. L.E. Echegoyen, "What opportunities contribute most to the success of UTEP undergraduates? The Case of BUILDing SCHOLARS". Invited panel presentation at the American Chemical Society virtual webinar <i>Creating an Inclusive and Resilient Future in Chemistry Education</i> , February 10, 2021
8. L. E. Echegoyen, "Tapping our Hispanic Talent through Undergraduate Research". Invited panel presentation given at the National Academy of Sciences, Engineering & Medicine (NASEM) Virtual Town Hall Meeting <i>The University of Texas at El Paso: A Flagship for Strengthening the STEM Workforce</i> , December 11, 2020
9. L. E. Echegoyen, "Providing Opportunities Drives Success: The Case of UTEP BUILDing SCHOLARS". Virtual oral presentation given at the <i>12th Understanding Interventions Conference</i> , December 10 & 12, 2020
10. L. E. Echegoyen, "How I Work as a Change Agent to Help Diversify the Scientific Research Workforce". Invited virtual oral presentation given at the <i>Scientific Innovation Through Diverse Perspectives Conference</i> , Mayo Clinic, Rochester MN, July 24, 2020
11. L. E. Echegoyen, "Preparing Students for Research: Freshman Year Research Intensive Sequence". Presentation given at the <i>Best Practices and Lessons Learned: Supporting Applicants of NIH RFA-RM-19-003 e-Conference</i> , University of Texas at El Paso, August 15, 2019
12. L. E. Echegoyen, "Leading Institutional Change: Becoming Change Agents". Invited panel presentation at the <i>Training Workforce Diversity (TWD) Program Directors Meeting</i> , Rockville, MD, August 1, 2019
13. L. E. Echegoyen, "Impact of Open Enrollment in Course-based Undergraduate Research Experiences with At-risk Populations". Presentation given at EDULEARN 2019, Mallorca, Spain, July 2, 2019
14. L. E. Echegoyen, "UTEP & BUILDing SCHOLARS: Preparing Students for the Transition between Undergraduate and Graduate School". Invited panel presentation for the <i>NIH Advancing Diversity Programs Conference</i> , NIH Campus, Bethesda, MD June 24, 2019
15. L. E. Echegoyen, "Faculty Focused Interventions in BUILDing SCHOLARS". Invited webinar presentation for the <i>NIH Advisory Committee for the Director (ACD) Working Group on Diversity (WGD) Subcommittee</i> , June 18, 2019
16. L. E. Echegoyen, "Inclusive Initiatives at Research Intensive HSIs: Part 1". Invited panelist at the <i>Institutionalizing Inclusive Support Systems for Latinx in Higher Education Conference</i> organized by the Alliance of Hispanic Serving Institution Educators, Riverside, CA, April 15, 2019
17. L. E. Echegoyen, "First Year Research Intensive Sequence & BUILDing SCHOLARS: Impact of Course-based & Mentored Research Experiences". Poster presented at the <i>2019 Understanding Interventions that Broaden Participation in Science Careers Conference</i> , Baltimore, MD, March 9, 2019
18. L. E. Echegoyen, "Undergraduate Research Participation is Associated with Improved Student Outcomes at UTEP". Invited plenary presentation given at the <i>NSF-HSI Conference on Accelerating the Impact of HSI STEM Education and Research on Innovation Ecosystems</i> , Mayaguez, PR, Nov 9, 2018

19. L. E. Echegoyen, "CUREing Retention of Hispanic Students: UTEP's Freshman Year Research Intensive Sequence (FYRIS). Presentation given at the <i>Council on Undergraduate Research Biennial Conference</i> , Arlington, VA, July 1, 2018
20. L. E. Echegoyen, "BUILDing Scholars Partnerships: Why, When, How and Initial Outcomes". Invited presentation given at the <i>MSI-PWI Partnership Workshop</i> , organized by the Research Corporation for Scientific Advancement Cottrell Scholars, University of California-Irvine, Irvine, CA, June 25, 2018
21. L. E. Echegoyen, "BUILDing SCHOLARS: Combining Asset Bundles with High Impact Practices". Poster presented at the 2017 NIH Diversity Program Consortium Annual Conference, Rockville, MD, October 10, 2017
22. L. E. Echegoyen, "The role of undergraduate research programs in retaining America's Hispanic STEM Talent". Presentation for discussion at the <i>Promoting Diversity in the Scientific Workforce Pipeline</i> panel session of the <i>National Hispanic Science Network Conference</i> , Phoenix, AZ, October 6, 2017
23. L. E. Echegoyen, "Incorporating an asset bundles approach into undergraduate research training". Interactive presentation given at the <i>Council on Undergraduate Research, Undergraduate Program Directors Conference</i> , Flagstaff, AZ, June 29, 2017
24. L. E. Echegoyen, "Dreams, realities and strong contributions to diversity in STEM: Impact of an undergraduate research office at a Hispanic serving institution". Invited presentation given at the <i>Advancing Undergraduate Research</i> session of the <i>253rd American Chemical Society Meeting</i> , San Francisco, CA, April 5, 2017
25. L.E. Echegoyen, "BUILDing SCHOLARS at the University of Texas at El Paso: An Asset Bundles Approach". Presentation given at the <i>BUILD Sites: One Goal with Multiple Approaches to Diversify the NIH Workforce Symposium</i> during the 2017 <i>Understanding Interventions that Broaden Participation in Science Careers</i> Conference, San Antonio, TX, March 4, 2017
26. L. E. Echegoyen, "BUILDing SCHOLARS: Undergraduate Student Interventions to Prepare the Next Generation of Biomedical Researchers". Poster presented at the 2017 <i>Understanding Interventions that Broaden Participation in Science Careers</i> Conference, San Antonio, TX, March 4, 2017
27. L. E. Echegoyen, "UTEP Initiatives that Encourage Participation in STEM Graduate Programs: COURI and BUILD". Invited presentation to representatives from RAND corporation (Contracted by Texas Higher Coordinating Board), The University of Texas at El Paso, April 21, 2016 .
28. L. E. Echegoyen, "Practitioner's Panel: Experiences of Experiential Teaching". Invited keynote presentation given at the 13 th International Sun Conference on Teaching and Learning, The University of Texas at El Paso, March 18, 2016
29. L. E. Echegoyen, "Grant Proposal Writing: General Recommendations, Seed Funding and Pilot Grant Projects from BUILDing SCHOLARS". Face-to-face and online webinar presented at UTEP, March 14, 2016
30. L. E. Echegoyen, "Expanding Horizons - Expanding Minds: Scaling Up First Year Research Experiences at a Minority Serving Institution in West Texas". Poster presented at the 2016 Freshman Research Initiative Conference, The University of Texas at Austin, March 2-4, 2016

31. L. E. Echegoyen, "Strategies to prepare entering freshmen for participation and success in STEM research: the FYRIS program". Deeper dive presentation given at the <i>2016 Understanding Interventions that Broaden Participation in Science Careers</i> Conference, Philadelphia, PA, February 28, 2016
32. L. E. Echegoyen, "About the Campus Office of Undergraduate Research Initiatives". Invited presentation to Program Directors of the Mellon Foundation, December 14, 2015
33. L. E. Echegoyen, "Undergraduate Research Models: Scaffolding the Experience from Novice to Expert". Poster presentation given at the 31 st Latin American Chemistry Congress CLAQ-2014, Lima, Peru, October 17, 2015
34. L. E. Echegoyen, "Student Training Proposals: A Workshop". Invited presentation/workshop given at the University of Puerto Rico, Rio Piedras, May 4, 2015
35. L. E. Echegoyen, "Broadening and Sustaining Undergraduate Research Participation: Resources, Challenges, Funding and Partnerships" Invited oral presentation given at The University of Texas at Arlington, Arlington, TX, April 8, 2015
36. L.E. Echegoyen, "Developing 21 st Century Educators: Integrating Undergraduate Research Training with Teaching and Learning". Invited oral presentation given at the <i>12th International Sun Conference on Teaching and Learning</i> , El Paso, TX, March 6, 2015
37. L. E. Echegoyen, "BUILDiNG SCHOLARS Center". Invited oral presentation given at the National Institutes of Health Diversity Consortium Kick-Off Meeting, Bethesda, MD, November 6, 2014
38. L. E. Echegoyen, "Can a Solid Undergraduate Research Program in STEM Help a Hispanic Serving Institution Become Tier One?" Invited oral presentation given at the <i>Minority Serving Institutions and their Role in the STEM Pipeline</i> Symposium of the 2013 Southeast Regional Meeting of the American Chemical Society (SERMACS), Atlanta, GA, November 14, 2013
39. L. E. Echegoyen, "Broadening and Sustaining Undergraduate Research Participation at UTEP: Opportunities, Resources, Challenges, Synergistic Partnerships and Impact". Invited oral presentation given at the <i>Undergraduate Research at Hispanic Serving Institutions: Diverse Approaches and Best Practices</i> Symposium of the 2013 Hispanic Association of Colleges and Universities (HACU) Conference, Chicago, IL, October 28, 2013
40. L. E. Echegoyen, "An Integrative Approach to Training: Undergraduate Students Conduct STEM Research, Develop New Curricular Materials, and Teach their Peers". Invited poster presentation given at the Gordon Research Conference on Chemistry Education Research & Practice, Salve Regina University, Newport, RI, June 10, 2013
41. L. E. Echegoyen, "The Impact of Undergraduate Research in STEM in the U.S.: Lessons from a Hispanic Serving Institution". Invited presentation given at the 14 th National Conference on Undergraduate Student Education, Zhuhai, China, November 25, 2012
42. L. E. Echegoyen, "The Impact of Undergraduate Research in the U.S.: Lessons from a Hispanic Serving Institution". Presentation given to the Chemistry Departments at Suzhou University, Suzhou, China and at Beijing Normal University, Beijing, China, November 23 and November 28, 2012
43. L. E. Echegoyen, "Mentoring Undergraduate Researchers: The Process, the Challenges, and the Elements of a Good Plan". Presentation given at the <i>Mentoring: an Enabling Relationship That Fosters Professional Growth and Development</i> session of the 2012 Annual Biomedical Research Conference for Minority Students (ABRCMS), San Jose, CA, November 9, 2012 .

44. L.E. Echegoyen, "Sailing the Winds of the Gathering Storm: International Undergraduate Research Opportunities, Threats and Challenges". Presentation given at the Council on Undergraduate Research <i>Leveraging Uncertainty: Toward a New Generation of Undergraduate Research</i> Conference, The College of New Jersey, Ewing, NJ, June 25, 2012
45. L. E. Echegoyen, "Role of U.S. Hispanic Serving Institutions in the Global Readiness of Latino STEM Students: Undergraduate Research in the Context of U.S. Hispanic Culture". Invited presentation given at the <i>Chemistry Education: International and Multicultural Perspectives</i> Symposium, 243 rd ACS National Meeting, San Diego, CA, March 28, 2012
46. L. E. Echegoyen, "Graduate and Undergraduate Research Opportunities at UTEP". Invited presentation given at the <i>Trends in BioNano Techno Conference</i> , Bialystok, Poland, March 7, 2012
47. L. E. Echegoyen, "From Global Awareness to Action: The Value of a Research Experience for Chemistry Undergraduate Students". Invited presentation given at the <i>Chemistry Education for the Future: A Global Perspective</i> Symposium at the 43 rd IUPAC Congress, San Juan, PR, August 4, 2011.
48. L. E. Echegoyen, "Challenges and Opportunities in Undergraduate Research at a Hispanic Serving Institution: A Comparative Study". Invited poster presentation given at the Gordon Research Conference on Chemistry Education Research & Practice: Foundations and Frontiers, June 30, 2011.
49. L. E. Echegoyen, "Global Engagement in Graduate School: Financial Resources for U.S. Citizens". Invited presentation given at the <i>Globalizing Education: Graduate School Opportunities in North America and Europe</i> Symposium at the 241 st ACS National Meeting, Anaheim, CA, March 21, 2011.
50. L. E. Echegoyen, "Integrity in Science". Invited presentation given to the National Society of Collegiate Scholars of the University of Texas at El Paso, February 9, 2011.
51. L. E. Echegoyen, "Ten Molecules that Matter: An Outreach Project". Plenary presentation given to the Chemistry Department, University of Texas at El Paso, Texas, during the celebration of <i>National Chemistry Week</i> , October 21, 2010.
52. L. E. Echegoyen, "Enriching Undergraduate Education in Chemistry to Achieve Global Competitiveness: The Value of an International REU Program". Invited presentation given at the <i>Excellence in Undergraduate Education: A Global Perspective</i> Symposium, 240 th ACS National Meeting, Boston, MA, August 22, 2010.
53. L. E. Echegoyen, "ACS-IREU and Germany's DAAD/RISE: A Collaborative Exchange Program". Invited presentation given at the <i>Connections to Germany & Europe: Educational & Research Opportunities</i> Symposium, 240 th ACS National Meeting, Boston, MA, August 22, 2010.
54. L. E. Echegoyen, "Educating the Next Generation of Globally Engaged Chemical Scientists: ACS and the Role of its IREU Program in the U.S. and Europe". Presentation given at the 21 st Biennial Conference in Chemical Education, August 2, 2010.
55. L. E. Echegoyen, "ACS-International Research Experiences for Undergraduates: An Update". Presentation given at the 239 th ACS National Meeting, San Francisco, CA, March 21, 2010.
56. L. E. Echegoyen, "ACS-IREU and the Need for Globally Engaged Researchers: Filling the Gap for Study Abroad Programs for Undergraduate Chemical Sciences Majors". Presentation given at the 61st Southeastern Regional Meeting of the ACS (SERMACS 2009), San Juan, PR, October 22, 2009.

57. L. E Echegoyen, "ACS-IREU Domestic and International Collaborations: a Top-down or Bottom-up Approach?" Invited presentation given at <i>The Art of Collaborations</i> Symposium, 238 th ACS National Meeting, Washington, DC, August 19, 2009 .
58. L. E Echegoyen, "The ACS International Research Experiences for Undergraduates Program: What Comes Next?" Presentation given at the University of Strathclyde, Scotland, UK and the University of Perugia, Italy, July 1 and July 7, 2009 .
59. L. E Echegoyen, "The ACS International Research Experiences for Undergraduates Program: Becoming an International Site". Presentation given at Austrian Agency for International Cooperation in Education and Research (OeAD) to Chemistry Faculty from University of Innsbruck, Technical University of Vienna, and BOKU Vienna, July 7, 2009 .
60. L. E Echegoyen, "The ACS International Research Experiences for Undergraduates Program: Becoming an International Site". Presentation given at Fundacion Universidad, España to Chemistry Faculty from Universidad Autonoma de Madrid, Universidad Complutense de Madrid, and Parque Cientifico de Barcelona, Madrid, Spain, June 26, 2009 .
61. L. E Echegoyen, "The ACS International Research Experiences for Undergraduates Program: How Can Local Sections Get Involved". Presentation given to the Local Section Activities Committee Meeting during the 237 th ACS National Meeting, Salt-Lake City, Utah, March 22, 2009 .
62. L. E Echegoyen, "The ACS International Research Experiences for Undergraduates Program". Presentation given to the Local Section Activities Committee Meeting during the 237 th ACS National Meeting, Salt-Lake City, Utah, March 21, 2009 .

PUBLICATIONS

1. A. Monarrez, A. Frederick, D. X. Morales, L. E. Echegoyen & A. Wagler, "Hispanic/Latinx STEM Majors Applying to Graduate School: The Role of Family, Peers, and Undergraduate Research Programs in Facilitating Community Cultural Wealth", *Journal of Latinos and Education*, 1-15, **2022**
2. S. Battaglia, L. E. Echegoyen, L. Diaz-Martinez, "Institution-wide analysis of academic outcomes associated with participation in UGR: Comparison of different research modalities at a Hispanic Serving Institution", *SPUR*, 5(3), **2022**
3. A. Monarrez, D. Morales, L. E. Echegoyen, D. Seira, and A. Wagler, "The Moderating Effect of Faculty Mentorship on Undergraduate Students' Summer Research Outcomes", *CBE-LSE*, 19 (4):ar56. **2020**
4. A. Monarrez, A. Wagler, D. Morales, D. Seira, L. E. Echegoyen, A. Ramirez, "Mentoring Undergraduate Students in Research: Faculty Barriers and Benefits", 13th UNM Annual Mentoring Conference Proceedings, **2020**
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