

## CURRICULUM VITAE

**JoAnn Trejo, Ph.D., M.B.A.**

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 Assistant Vice Chancellor for Health Sciences Faculty Affairs  
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 UC San Diego profile <https://profiles.ucsd.edu/joann.trejo>

**DATE AND PLACE OF BIRTH**

January 23, 1964 French Camp, San Joaquin County, California

**EDUCATION**

1982 – 1986 B.S., University of California, Davis  
 1986 – 1992 Ph.D., School of Medicine, University of California, San Diego  
 2013 – 2015 M.B.A., Rady School of Management, University of California, San Diego

**RESEARCH AND PROFESSIONAL EXPERIENCE**

1983 – 1986 Undergraduate Research Assistant, Lawrence Berkeley National Laboratory, Division of Biology and Medicine, Berkeley, CA  
 1986 – 1992 Graduate Student, Department of Pharmacology, School of Medicine, University of California, San Diego, La Jolla, CA (Mentor: Joan Heller Brown, Ph.D.)  
 1992 – 1997 Postdoctoral Fellow, Cardiovascular Research Institute, School of Medicine, University of California, San Francisco, San Francisco, CA (Mentor: Shaun R. Coughlin, M.D., Ph.D.)  
 1997 – 1999 Assistant Research Professor, Cardiovascular Research Institute, School of Medicine, University of California, San Francisco, San Francisco, CA  
 2000 – 2005 Assistant Professor, Department of Pharmacology, School of Medicine, University of North Carolina, Chapel Hill, NC  
 2005 – 2008 Associate Professor, Departments of Pharmacology, Cell and Developmental Biology, School of Medicine, University of North Carolina, Chapel Hill, NC  
 2008 – 2012 Associate Professor, Department of Pharmacology, School of Medicine, University of California, San Diego, La Jolla, CA  
 2008 – 2013 Associate Director, NIH/NIGMS-supported San Diego Institutional Research and Academic Career Development Award (IRACDA) Postdoctoral Career Development Training Program, University of California, San Diego, La Jolla, CA  
 2014 – 2016 Vice Chair for Education, Department of Pharmacology, School of Medicine, University of California, San Diego, La Jolla, CA  
 2015 – 2019 Associate Dean for Health Sciences Faculty Affairs, Office of the Vice Chancellor for Health Sciences, University of California, San Diego, La Jolla, CA  
 2016 – 2020 Vice Chair, Department of Pharmacology, School of Medicine, University of California, San Diego, La Jolla, CA  
 2008 – present Member, Moores Cancer Center, Cancer Biology and Signaling Program, University of California, San Diego, La Jolla, CA  
 2012 – present Professor, Department of Pharmacology, School of Medicine, University of California, San Diego, La Jolla, CA  
 2013 – present Director, NIH/NIGMS-supported San Diego IRACDA Postdoctoral Career Development Training Program, University of California, San Diego, La Jolla, CA  
 2014 – present Director, ASPET-supported Pharmacology Summer Undergraduate Research Fellowship (SURF) and IRACDA SURF Program, University of California, San Diego, La Jolla, CA  
 2016 – present Member, Altman Clinical and Translational Research Institute (ACTRI), University of California, San Diego, La Jolla, CA  
 2019 – present Assistant Vice Chancellor for Health Sciences Faculty Affairs, Office of the Vice Chancellor for Health Sciences, University of California, San Diego, La Jolla, CA

## HONORS

### Awards

- 1991–1992 National Research Council Ford Foundation Dissertation Fellowship Award  
 1993–1995 University of California President's Postdoctoral Fellowship Award  
 1994–1995 University of California Tobacco-Related Disease Research Program Postdoctoral Training Award  
 1995–2000 American Heart Association Scientist Career Development Grant Award  
 2000–2001 University of North Carolina at Chapel Hill Medical Faculty Research Grant Award  
 2006–2010 American Heart Association Established Investigator Award  
 2012 Women Who Mean Business Award, San Diego Business Journal  
 2014 UC San Diego Chancellor's Award for Excellence in Postdoctoral Scholar Mentoring  
 2015 American Society for Biochemistry and Molecular Biology Ruth Kirschstein Outstanding Scientist Award  
 2016 UC San Diego Inclusive Excellence Award  
 2017 American Society for Cell Biology E.E. Just Award for Outstanding Scientific Achievement  
 2018–2023 National Institutes of Health/NIGMS R35 Outstanding Investigator Award  
 2019 Society for the Advancement of Chicanos and Native Americans in Science Outstanding Research and Professional Mentor Award  
 2019 Society for the Advancement of Chicanos and Native Americans in Science Outstanding Native American Student Mentor Award  
 2020 American Society for Cell Biology Prize for Excellence in Inclusivity  
 2020 **Elected**, American Society for Cell Biology Fellow  
 2020 **Elected**, 100 Inspiring Hispanic / Latinx Scientists in America | Cell Mentor

### Keynote and Plenary Lectures

- 2002 Keynote Speaker, Society for the Advancement of Chicanos and Native Americans in Science 29<sup>th</sup> Annual Meeting, Anaheim, CA  
 2010 Distinguished Lecturer, Scientists and Engineers Expanding Diversity and Success, University of Miami, Miller School of Medicine, Miami, FL  
 2011 Keynote Lecturer, Association of Multicultural Scientists, University of Minnesota, Minneapolis, MN  
 2012 Distinguished Guest Speaker, 5<sup>th</sup> Annual Signaling and Cellular Regulation Graduate Training Program Symposium, University of Colorado, Boulder, CO  
 2012 Keynote Speaker, Society for the Advancement of Chicanos and Native Americans in Science 39<sup>th</sup> Annual Meeting, Seattle, WA  
 2015 American Society for Biochemistry and Molecular Biology Ruth Kirschstein Diversity in Science Award Lecture, Boston, MA  
 2015 Distinguished Lecturer, 6<sup>th</sup> Annual IRACDA Research Symposium, Baylor College of Medicine, Houston, TX  
 2015 Mentoring Keynote Speaker, American Society for Cell Biology Annual Meeting, San Diego, CA  
 2016 Distinguished Guest Speaker, Interdisciplinary Program in Biomedical Sciences, College of Medicine, University of Florida, Gainesville, FL  
 2017 Distinguished Speaker, Long Lecture, University of Denver, Denver CO  
 2017 American Society for Cell Biology EE Just Award Lecture, Philadelphia, PA  
 2018 Keynote Speaker, 9<sup>th</sup> Adhesion GPCR Workshop, Oregon Health and Sciences University, Portland, OR  
 2019 Keynote Speaker, 36<sup>th</sup> Annual Graduate Student Research Day, University of Connecticut Health, Farmington, CT  
 2021 Distinguished Speaker, Tufts SPINES (Scientists Promoting Inclusive Excellence), Tufts University, School of Medicine, Boston, MA

## GRANT FUNDING – FACULTY DEVELOPMENT AND RESEARCH PROJECT AWARDS

### Current

- 2018–2023 NIH/National Institute of General Medical Sciences (NIGMS)  
 R35 GM127121 Maximizing Investigators Research Award  
 PI: J. Trejo “Cell Signaling by Protease-activated G Protein-coupled Receptors”  
 Total: \$2,159,673

### Pending

- National Institutes of Health/ NHLBI  
 R01HL154793-01 Research Grant Award

PI: J. Trejo “Cytoprotective Signaling by Activated Protein C / Protease-activated Receptor-1”

Total: \$1,970,417

UC Tobacco-related Disease Research Program

T31IP1675 High Impact Pilot Award

PI: J. Trejo “Regulation of Endothelial Inflammatory Responses by Activated Protein C”

Total: \$400,000

### Past

- 2001–2005 National Institutes of Health/NHLBI K01 HL67697 Career Development Award  
PI: J. Trejo “Molecular Mechanisms of Protease-activated Receptor-1 Down-regulation”  
Total: \$593,937
- 2001–2003 American Heart Association Grant-In-Aid (0150677N) National Affiliate  
PI: J. Trejo “Molecular Mechanisms of Thrombin Receptor Trafficking”  
Total: \$214,500
- 2001–2002 North Carolina Biotechnology Center Institutional Development Grant (IDG-1005)  
PI: J. Trejo “Multi-user Confocal Imaging System”  
Total: \$146,129
- 2004–2013 National Institutes of Health/NHLBI R01 HL073328-10 Research Grant Award  
PI: J. Trejo “Regulation of Protease-activated Receptor-1 Signaling”  
Total: \$1,801,475 (2004-2008) and \$1,545,000 (2008-2013)
- 2005–2007 Susan G. Komen Breast Cancer Foundation Award (BCTR0503837)  
PI: J. Trejo “Role of Coagulant Proteases in Breast Cancer Cell Invasion”  
Total: \$250,000
- 2006–2010 American Heart Association Established Investigator Award (0640017N)  
PI: J. Trejo “Protease-activated Receptor-1 Signaling in Endothelial Cell Migration”  
Total: \$500,000
- 2009–2011 UC Tobacco-Related Disease Program Exploratory/Development Grant Award (18XT-0083)  
PI: J. Trejo “Regulation of Biased PAR1 Signaling by Ubiquitination”  
Total: \$250,000
- 2009–2012 National Institutes of Health/NHLBI 3R01 HL073328-S1 Diversity Supplement Award  
PI: J. Trejo and A. Soto “Regulation of Protease-activated Receptor-1 Signaling”  
Total: \$186,288
- 2010–2011 National Institutes of Health/NIGMS 3R01 GM090689-S1 ARRA Supplement  
PI: J. Trejo “Mechanisms Regulating G Protein-coupled Receptor Trafficking”  
Total: \$95,769
- 2012–2014 Boehringer Ingelheim International GmbH Collaborative Research Agreement No. 43045351  
PI: J. Trejo “Mechanisms of Thrombin-bound Dabigatran Actions on Protease-activated Receptors”  
Total: \$130,000
- 2014–2015 American Heart Association Grant-In-Aid (18630018) Western States Affiliate  
PI: J. Trejo “Cytoprotective Signaling by Protease-activated Receptor-1”  
Total: \$140,000
- 2014–2016 National Institutes of Health/NIGMS 3R01 GM090689-05S1 Administrative Supplement Award  
PI: J. Trejo “Mechanisms Regulating G Protein-Coupled Receptor Trafficking”  
Total: \$80,000
- 2016–2017 National Institutes of Health/NIGMS 3R01 GM116597-02S1 Administrative Supplement Award  
Multi-PI: J. Trejo and N. Chi “GPCR Cytoprotective Signaling Mechanisms”  
Total: \$52,789
- 2010–2018 National Institutes of Health/NIGMS R01 GM090689-05 Research Grant Award  
PI: J. Trejo “Mechanisms Regulating G Protein-coupled Receptor Trafficking”  
Total: \$1,317,500 (2010-2013) and \$1,317,500 (2014-2018)
- 2017–2018 National Institutes of Health/NIGMS R01 GM090689-08S1 Administrative Supplement Award  
PI: J. Trejo “Mechanisms Regulating G Protein-coupled Receptor Trafficking”  
Total: \$82,344
- 2016–2018 National Institutes of Health/NIGMS 3R01 GM116597-01S1 Diversity Supplement Award  
Multi-PI: J. Trejo and O. Molinar “GPCR Cytoprotective Signaling Mechanisms”  
Total: \$187,906

- 2017–2019 National Institutes of Health/NIGMS 3R01 GM116597-03S2 Diversity Supplement Award  
Multi-PI: J. Trejo and C. Birch “GPCR Cytoprotective Signaling Mechanisms”  
 Total: \$200,136
- 2018–2019 National Institutes of Health/NIGMS R35 GM127121-01S1 Administrative Supplement Award  
PI: J. Trejo “Cell Signaling by Protease-activated G Protein-coupled Receptors”  
 Total: \$51,783
- 2015–2020 National Institutes of Health/NIGMS R01 GM116597 Research Grant Award  
Multi-PI: J. Trejo and N. Chi “GPCR Cytoprotective Signaling Mechanisms”  
 Total: \$1,282,990
- 2019–2020 National Institutes of Health/NIGMS R35 GM127121-02S2 Administrative Supplement Award  
PI: J. Trejo “Cell Signaling by Protease-activated G Protein-coupled Receptors”  
 Total: \$29,183
- 2017–2020 UC Tobacco-related Disease Research Program, 26IP-0050 High Impact Pilot Award  
PI: J. Trejo “Regulation of F2RL3/PAR4 Expression and Function by Methylation”  
 Total: \$300,000

## GRANT FUNDING – FACULTY DEVELOPMENT AND RESEARCH EDUCATION PROGRAMS

### Current

- 2013–2021 NIH/National Institute of General Medical Sciences (NIGMS)  
 5K12 GM068524-18 Institutional and Research Career Development Award (IRACDA)  
 PI: J. Trejo, co-I: W. Joiner, V. Thackray  
 Title: [San Diego IRACDA Scholars Program](#)  
 Total: \$5,989,425 (current 5-year)
- 2016 – 2021 American Society for Pharmacology and Experimental Therapeutics (ASPET)  
PI: J. Trejo  
 Title: [Summer Undergraduate Research Fellowship Program \(SURF\)](#)  
 Total: \$27,000 (current 3 year)
- 2017–2022 Health Resources and Service Administration (HRSA)  
 D34HP31027 Centers of Excellence Program  
 PI: Happy Araneta, Co-I: J. Trejo and V. Reznik  
 Title: [UCSD School of Medicine, Hispanic Center for Excellence \(HCOE\)](#)  
 Total: \$3,361,238
- 2019–2024 NIH/National Heart, Lung and Blood Institute (NHLBI)  
 R25 HL145817 Programs to Increase Diversity Among Individuals Engaged in Health-Related Research (PRIDE)  
 Multi-PI: J. Trejo V. Reznik, R. Ross  
 Title: [UCSD Future Faculty of Cardiovascular Sciences \(FOCUS\)](#)  
 Total: \$2,224,800
- 2020–2021 NIH/National Institute of General Medical Sciences (NIGMS)  
 5K12 GM068524-18S1 Administrative Supplement  
 PI: J. Trejo, co-I: C. Searles, V. Reznik  
 Total: \$86,400  
 Title: [Building a Respectful, Inclusive Culture \(BRIC\)](#)
- 2020-2025 NIH/National Institute of Neurological Disorders and Stroke (NINDS)  
 R25 NS117367 Research Education Programs  
 Multi-PI: J. Trejo, V. Reznik, co-I: S. Halpain, H. Gonzalez, R. Rissman  
 Title: [UCSD Leading the Advancement of Underrepresented Neuroscientists for Change \(LAUNCH\)](#)  
 Total: \$1,350,000
- 2020-2025 NIH/ National Center for Advancing Translational Sciences (NCATS)  
 KL2 TR001444 Clinical and Translational Science Award  
 PI: C. Depp, co-I: J. Trejo  
 Title: [Altman Clinical Translational Research Institute - Mentored Career Development Program](#)  
 Total: \$9,524,050
- 2020-2025 NIH/National Institute of Allergy and Infectious Diseases (NIAID)  
 R25 AI147376 Research Education Programs  
Multi-PI: J. Trejo, V. Reznik, co-I: V. Nizet, D. Smith, E. Winzeler

Title: [UCSD Raising Advancement and Parity for Infectious Disease Researchers \(RAPID\)](#)

Total: \$1,755,000

### Pending

NIH/National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

U2C DK129506 Institutional Network Award

PI: J. Ix, Co-I: D. Rifkin, F. Gabbai and J. Trejo

Title: [The San Diego Institutional Network Award for Kidney, Urologic and Hematologic Research Training](#)

Total: \$7,593,374

### Past

2005–2007 National Science Foundation, Research Experience for Undergraduate Site Award (REU) #0453235

Co-PI: J. Trejo “SURE Undergraduate Research Experience in Cell and Molecular Biology”

Total: \$210,000

2008–2009 National Institutes of Health/NCI R13CA135997 Conference Grant Award

Co-PI: J. Trejo “Symposium on Extracellular and Membrane Proteases in Cell Signaling”

Total: \$15,000

2009–2011 National Institutes of Health/NIGMS 5K12 GM068524-S1 IRACDA Supplement

Co-I: J. Trejo, “San Diego IRACDA: Professors for the Future”

Total: \$257,485

2013–2014 National Institutes of Health/NIDA R13 R13 DA035525-01 Conference Grant Award

PI: J. Trejo “Gordon Research Conference on Molecular Pharmacology”

Total: \$25,000

## TEACHING AND TRAINING

### Lecturer and Discussion Leader

BIOM 200 Molecules to Organisms: Concepts and Approaches, “G Protein Signaling”, Lecturer and Discussion Leader

SOMC 220 Foundations of Medicine, “Cell Signaling”, Lecturer

### Postdoctoral Trainees (*Research Advisor to 21 postdoctoral fellows, 11 Women and 7 URMs*)

2001–2008 Courtney Griffin, Ph.D. Supported by NIH/NHLBI K99/R00 Pathway to Independence Award

Current position: Associate Professor, Oklahoma Medical Research Foundation, Oklahoma, OK

2001–2003 Michelle Booden, Ph.D. Current position: Technology Licensing Specialist, NIH, Bethesda, MD

2001–2003 Yonghua Yang, Ph.D. Current position: Professor, Fudan University, Shanghai, China

2005–2008 Puneeta Arora, Ph.D. Current position: Patent Agent, Founding Partner, AvidInvent, Hyderabad India

2005–2008 May M. Paing, Ph.D. Current position: Staff Scientist, HHMI Washington University School of Medicine, St. Louis, MO

2009–2010 Jung-A Choi, Ph.D. Current position: Research Scientist, Korea University, Seoul Korea

2009–2011 Allen Liu, Ph.D. Supported by Leukemia & Lymphoma Society Postdoctoral Fellowship

Current position: Associate Professor, University of Michigan, Ann Arbor, MI

2008–2012 Unice JK Soh, Ph.D. Supported by UC TRDRP Postdoctoral Fellowship

Current position: Medical Science Liaison at Johnson & Johnson, Los Angeles, CA

2012–2013 Aaron Snead, Ph.D. Supported by NIH/NIGMS K12 IRACDA Career Development Award

Current position: Senior Scientist, Vividion Therapeutics Inc. San Diego, CA

2009–2015 Huilan Lin, Ph.D. Current position: Senior Scientist, Emergent Biosolutions, Inc., San Diego, CA

2008–2015 Buxin Chen, Ph.D. Supported by American Heart Association Postdoctoral Fellowship

Current position: Scientist, Coi Pharmaceuticals, Inc. San Diego, CA

2013–2015 Terri Stoner, Ph.D. Supported by NIH/NIGMS K12 IRACDA Career Development Award

Current position: Assistant Adjunct Professor, Grossmont College, San Diego, CA

2008–2016 Michael Does, Ph.D. Supported by a UC TRDRP Postdoctoral Fellowship Award, NIH/NIGMS

K12 IRACDA Career Development Award

Current position: Assistant Professor of Biology, Hofstra University, Hempstead, NY

2016–2017 Thomas Smith, Ph.D. Current position: Bioinformatics Scientist I, TwinStrand Inc., Seattle, WA

2009–2018 Neil Grimsey, Ph.D. Supported by American Heart Association Postdoctoral Fellowship Award

Current position: Assistant Professor, University of Georgia, College of Pharmacy, Athens, GA

2018–2019 Sravan Girada, Ph.D. Current position: Postdoctoral Fellow, University of California, San Diego

- 2016–2020 Wen-An Pan, Ph.D. Current position: Scientist, Lassogen, Inc. San Diego, CA 92121
- 2016–present Olivia Molinar-Inglis, Ph.D. Supported by NIH/NIGMS R01 Diversity Supplement, NIH/NIGMS IRACDA K12 Career Development Award, UC President’s Postdoctoral Fellowship Program
- 2017–present Cierra Birch, Ph.D. Supported by NIH/NIGMS R01 Diversity Supplement, NIH/NHLBI T32 Cardiovascular Physiology and Pharmacology Training Grant, Burroughs Wellcome Fund Postdoctoral Development Enrichment Program
- 2018–present Anand Patwardhan, Ph.D., Supported by UC TRDRP Postdoctoral Fellowship
- 2019–present Monica Ramirez Gonzalez, Ph.D. Supported by NIH/NIGMS K12 IRACDA Career Development Award

**Graduate Student Trainees** (*Research Advisor to 16 graduate students, 11 Women and 8 URMs*)

- 2001–2005 May M. Paing, Ph.D. Supported by an American Heart Association Predoctoral Fellowship Award  
Current position: Staff Scientist, HHMI Washington University School of Medicine, St. Louis, MO
- 2003–2007 Breann Wolfe Barker, Ph.D. Supported by American Heart Association Predoctoral Fellowship Award  
Current position: Teva Pharmaceuticals, West Chester, PA
- 2004–2010 Tiffany Ricks, Ph.D. Supported by NIH/NRSA F31 Predoctoral Fellowship Award and United Negro College Fund (UNCF)-MERCK Predoctoral Fellowship Award  
Current position: Pharmacologist, Federal Drug Administration, Washington, DC
- 2005–2009 Angela Russo, Ph.D. Current position: Visiting Research Assistant Professor, Department of Medicinal Chemistry and Pharmacognosy, College of Pharmacy, University of Illinois Chicago
- 2008–2013 Antonio Soto, Ph.D. Supported by an NIH/NHLBI R01 Diversity Supplement Award  
Current position: Research Scientist I, Vertex Pharmaceuticals Inc., San Diego, CA
- 2009–2014 Isabel Canto Cordova, Ph.D. Supported by a UC TRDRP Predoctoral Fellowship Award  
Current position: Medical Writer, Caring Communications, San Diego, CA
- 2010–2016 Thomas Smith, Ph.D. Supported by NIH/NRSA F31 HL116187 Predoctoral Fellowship Award  
Current position: Bioinformatics Scientist I, TwinStrand Inc., Seattle, WA
- 2014–2016 Patrick Menzies, M.S. Supported by Howard Hughes Medical Institute Gilliam Graduate Fellowship  
Current position: Manager, Oncology Brand Payer and Access Marketing at GSK, Durham, NC
- 2013–2017 Marissa Goo, Ph.D. Supported by an NSF and Ford Foundation Predoctoral Fellowship  
Current position: Associate Scientist, E-Scape Bio, South San Francisco, CA
- 2011–2017 Bryan Stephens, B.S. Supported by NIH/NIGMS T32 Biophysics Training Grant  
Current position: Postdoctoral Fellow, University of California, San Diego
- 2015–2020 Cara Rada, B.A. Supported by NIH/NIGMS T32 Pharmacological Sciences Training Grant, UC TRDRP Predoctoral Fellowship  
Current position: Postdoctoral scholar, Stanford University
- 2015–2020 Aleena Arakaki, B.S. Supported by San Diego Graduate Fellowship, Tribal Membership Initiative, NIH/NIGMS T32 Pharmacological Sciences Training Grant, Howard Hughes Medical Institute Gilliam Graduate Fellowship  
Current position: Postdoctoral scholar, Fred Hutchinson Cancer Research Center
- 2016–2020 Jessica Lawrence, B.S. (co-advisor) Supported by NIH/NRSA F31 NS103588 Predoctoral Fellowship  
Current position: Research Scientist, Genentech, San Francisco, CA
- 2018–present Helen Wedegaertner, B.S. Supported by NIH/NIGMS T32 Pharmacological Sciences Training Grant, UC TRDRP Predoctoral Fellowship
- 2019–present Norton Cheng, B.S. Supported by NIH/ NIGMS T32 Pharmacological Sciences Training Grant
- 2020–present Analine Aguayo, B.S. (co-advisor) Supported by NIH/ NIGMS T32 Pathways in Biological Sciences Training Grant

**Undergraduate Trainees** (*Research Advisor to 41 undergraduate students, 25 Women and 25 URMs*)

Tom Chen, Duke University (2000); Sarah Brautigam, Davidson College (2001); Tiana Garrett, Virginia State University (2001-2002); Kia Jackson, North Carolina Agricultural and Technical State University (2003); Aliya McIver, University of North Carolina, Chapel Hill (2004); Amanda Powell, Shaw University (2005); Diana Ntonlolo, Winston Salem State University (2006); Mallory Demonch, University of North Carolina at Chapel Hill (2007-2008); Maria Rodriguez, UC San Diego (IMSD, 2008-2009); Steven Almos, Southwestern Community College (UCSD-HHMI, 2009); William A. Montagne, University of Oregon (Pharm SURF, 2010 & 2011); Phillip Le, UC San Diego (2010-2013); Carlos Roston Green, University of San Francisco (MSTP-SURF, 2010); Eliseo Rivas, UC San Diego (MSTP-SURF, 2011); Hannes Buck, Amherst College (MSTP-SURF, 2012 & 2013); Jasmine Kyung, UC San Diego (2012-2013); Cattien Phan, UC San Diego (2013-2014); Stefany Rubio, San Diego State University (Pharm SURF, 2014);

Keaira Thornton, Norfolk State University (MSTP-SURF, 2014); Consuelo Saucedo, San Marcos State University (STARS, 2014); Jeffrey Liang, UC San Diego (2012-2015); Francisco Mendez, UC San Diego (IMSD, 2012-2015); Luisa Coronel, UC San Diego (IMSD, 2013-2015); Jasmine Kyung, UC San Diego (Pharm SURF, 2015); Francisco Peralta, San Diego City College (IRACDA SURF, 2016); Mauricio Marquez Palencia, San Diego City College & UC San Diego (MSTP-SURF 2015, IMSD 2015-2017); Celyne Moh, UC San Diego (2015-2017); Julia Li, UC San Diego (2015-2017); Rachan Narala, UC San Diego (Regents Scholar, Eureka Scholar, Pharm SURF 2014-2018); Serena Pang, UC San Diego (2017-2018); Elias Contrubis, Vassar College (Pharm SURF, 2018); Hilda Mejia Pena, San Diego City College & UC San Diego (IRACDA SURF 2016, IMSD 2016-2019); Metzli Cisneros, UC San Diego (IMSD 2017-2019, UC TRDRP Cornelius Hopper Supplement, Pharm SURF 2018); Alexa Valladolid, UC San Diego (IMSD 2018-2019); Talia Elliott, UC San Diego (2017-2020); Victoria Turcotte, UC San Diego (2019-2020); Logan Chinn, UC San Diego (2018-2020); Ivette Roca-Mercado, UC San Diego (IMSD 2019-2020); Alexis Garcia, San Diego City College (IRACDA SURF, 2019-2020); Robertha Amezola, UC San Diego (2019-2020); Jose Adame, UC San Diego (IMSD 2019-present)

#### **Thesis Committees** (*Committee member to 48 graduate students*)

Olga Rodriguez, Ph.D. 01/2001; Deborah Shea, M.S. 07/2004; Scott Oloff, Ph.D. 04/2004; Eric Bodor, Ph.D. 02/2005; May Paing, Ph.D. 06/2005; Jeffrey Bocock, Ph.D. 04/2006; Jin Kim, Ph.D. 04/2006; Sheritha Lee, Ph.D. 07/2006; Dayle Houston, Ph.D. 03/2007; Christine Tomlison, Ph.D. 06/2007; Breann Barker, Ph.D., 06/2007; Ingrid Fricks, Ph.D. 12/2008; Angela Russo, Ph.D., 06/2009; Tiffany Ricks, 06/2010; Lindsay Schwartz, Ph.D. 11/2010; Steven Fuhs, Ph.D. 12/2010; Boryana Eastman, Ph.D. 09/2012; David Lu, Ph.D. 03/2013; Daniel Nunez, Ph.D. 05/2013; Karen Tumaneng, Ph.D. 06/2013; Tania Escobar, M.S. 08/2013; Rebecca Jimenez, M.S. 08/2013; Antonio Soto, Ph.D. 09/2013; Taylor Gilliland, Ph.D. 10/2013; Adam Bastidas, Ph.D. 03/2014; Isabel Canto, Ph.D. 07/2014; Stephanie Dusaban, Ph.D. 05/2015; Aran Groves, Ph.D. 09/2015; Irene Tobias, Ph.D. 04/2016; Thomas Smith, Ph.D. 09/2016; Olivia Yu, Ph.D. 11/2016; Rachael Kells Andrews, Ph.D. 12/2016; Anna Busija, Ph.D. 03/17; Alisha Caliman, Ph.D. 05/17; Patrick Menzies, M.S., 06/2017; Marisa Goo, Ph.D. 08/2017; Babette Hammerling, Ph.D. 11/2017; Bryan Stephens, Ph.D. 12/2017; Elizabeth Kleinschmidt, PhD 09/2018; Bernardo Lara M.S. 06/2018; Jason Del Rio M.S. 03/2016; Sarah Shires PhD 10/2019; Jessica Lawrence, PhD, 07/2020; Aleena Arakaki, PhD, 07/2020; Cara Rada PhD 8/2020; Riley Peacock (2018-present); Helen Wedegaertner (2018-present); Thomas Shroka (2019-present); Norton Cheng (2019-present); Alex Jones (2020-present)

#### **Faculty Mentor**

2010–2015 William Joiner, Ph.D., Assistant Professor, UC San Diego  
 2013–2015 Jonathan Kelber, Ph.D., Assistant Professor, California State University Northridge, ASCB NSF Faculty Research and Education Development Program  
 2015–present David Gonzalez, Ph.D., Assistant Professor, UC San Diego

#### **Faculty Member for Postdoctoral, Graduate and Undergraduate Training Programs**

2008–present Biomedical Sciences Graduate Program  
 Pharmacological Sciences Graduate Training Program (T32 GM007752)  
 Pharmacology (PHARM) SURF (ASPET-supported) and IRACDA SURF Training Program  
 Initiative for Maximizing Student Development (IMSD) Training Program (R25 GM083275)  
 Medical Scientist Training Program (MSTP) (T32 GM007198)  
 MSTP – Summer Undergraduate Research Fellowship (SURF)  
 2015-present Cardiovascular Physiology and Pharmacology Training Program (T32 HL007444)  
 2017-present Interdisciplinary Anesthesiology Training Program (T32 GM121318)  
 2020-present Training Program in Basic and Clinical Genetics (T32 GM00866)

#### **CONFERENCE ORGANIZATION**

2006, 2007 **Elected**, Vice-Chair and Co-Chair, Gordon Research Conference, “Phosphorylation and G Protein mediated Signaling Networks”, Biddeford, ME  
 2008 Co-Organizer and Plenary Speaker, “Growth Factor and Signal Transduction Symposium on Extracellular and Membrane Proteases in Cell Signaling”, Ames, IA  
 2010 Session Chair and Organizer, American Society for Pharmacology and Experimental Therapeutics, “Symposia on Protease-activated Receptors”, Experimental Biology Annual Meeting, Anaheim, CA  
 2011 Co-Chair and Speaker, American Society for Cell Biology-MAC sponsored Scientific Symposia “Microscopic Insights into the Cell”, SACNAS Annual Meeting, San Jose, CA

- 2014 Co-Chair and Organizer, Scientific Symposia session “Insane About Membrane Trafficking” SACNAS Annual Meeting, Los Angeles, CA
- 2013, 2015 **Elected**, Vice-Chair and Co-Chair, Gordon Research Conference, “Molecular Pharmacology”, Il Ciocco, Italy and Ventura, CA
- 2015 Chair and Organizer, National IRACDA Conference, “Waves of Change: Research, Teaching and Diversity”, San Diego, CA

## PROFESSIONAL SERVICE

### PROFESSIONAL SOCIETY MEMBERSHIP

- 1986–present Society for the Advancement of Chicanos and Native Americans in Science (SACNAS), Life Member and Friend of the Society
- 1990–present American Society for Cell Biology (ASCB)
- 2000–present American Society for Pharmacology and Experimental Therapeutics (ASPET)
- 2007–present American Society for Biochemistry and Molecular Biology (ASBMB)

### ADVISORY PANELS AND PROFESSIONAL SOCIETY SERVICE

#### American Heart Association

- 2004 *ad hoc* Member, Molecular Signaling I Review Committee National Affiliate

#### American Society for Biochemistry and Molecular Biology

- 2017-2020 **Elected**, Member Leadership Council

#### American Society for Cell Biology

- 2007–2012 Member, Women in Cell Biology Committee
- 2010 Chair, Bernfield-Gilula Award Joint Selection Committee
- 2010–2012 **Elected**, Member, Leadership Council
- 2013–2015 Member, Minorities Affairs Committee
- 2013–2014 *ex officio* Member, Women in Cell Biology Committee

#### American Society for Pharmacology and Experimental Therapeutics

- 2011–2014 *at-large* Member Program Committee
- 2013–2016 Member, Science Policy Committee
- 2018–present Member, Division of Molecular Pharmacology

#### Department of Defense

- 2008 Member, CDMRP Prostate Cancer PathoBiology I Panel

#### Howard Hughes Medical Institute

- 2015 Member, Gilliam Fellowships for Advanced Study Selection Committee
- 2019 Member, Gilliam Fellowships for Advanced Study Selection Committee

#### International Society on Thrombosis and Haemostasis

- 2009 Member, Scientific Advisory Board Member for the XXII<sup>nd</sup> International meeting, Boston, MA

#### Keystone Symposia on Molecular and Cellular Biology Organization

- 2009 *ad hoc* Member, Diversity Advisory Committee
- 2012–2015 Member, Diversity Advisory Committee

#### National Institutes of Health

- 2005 Member, NIH/NHLBI Program Project Review Committee
- 2006 *ad hoc* Member, NIH/CSR Hemostasis and Thrombosis (HT) Study Section
- 2006–2009 Member, NIH/CSR Cell Structure and Function (CSF) Study Section
- 2009–2010 Member, NIH/CSR Nuclear and Cytoplasmic Structure/Function and Dynamics Study Section
- 2009 *ad hoc* Member, NIH/CSR ZRG1 CB-N 29L Special Emphasis Panel: Diversity Predoctoral Fellowships
- 2010 *ad hoc* Member, NIH/CSR ZRG1 CB-B 02M Special Emphasis Panel: Member Conflicts Cell Biology
- 2008–2011 *ad hoc* Member, NIH/CSR Tumor Cell Biology (TCB) Study Section
- 2012–2015 Member, NIH/CSR Molecular and Integrative Signal Transduction (MIST) Study Section
- 2015–2017 Member, NIH/NIGMS Division of Training, Workforce Development & Diversity, IRACDA Steering



Committee Representative

2018–present Member, NIH/ NCI Board of Scientific Counselors for Basic Sciences, Intramural Research Program

#### **Society for the Advancement of Chicanos and Native Americans in Science**

2009 Summer Leadership Institute, AAAS and SACNAS, Washington, DC  
 2010–2014 Member, Summer Leadership Institute Selection Committee  
 2013–2015 Member, Board of Directors, Nominations/Elections Committee  
 2012–2016 Faculty Advisor, UC San Diego SACNAS Chapter  
 2016–2017 Advisory Committee, Hubs of Innovation Collaboration with NIH TWD

#### **Institutional Program Reviews and Advisory Boards**

2017 Chair, University of North Carolina, Chapel Hill, Department of Pharmacology and Pharmacological Sciences Graduate Training Program Review Committee  
 2018 Member, University of Chicago Illinois, College of Medicine, Graduate Education in Medical Sciences Program Review Committee  
 2019 Member, Brown University Initiative for Maximizing Student Development – External Advisory Board  
 2020 Member, University of New Mexico, ASERT IRACDA Program – External Advisory Board

#### **INDUSTRY CONSULTING AND COLLABORATIONS**

2006–2007 Eli Lilly & Company, Cancer Inflammation, Indianapolis, IN  
 2012–2014 Boehringer Ingelheim International GmbH

#### **EDITORIAL BOARD MEMBERSHIP**

2010–2011 Editorial Board, Molecular Interventions  
 2013–present Editorial Board, Molecular Pharmacology  
 2015–present Editorial Board, The Journal of Biological Chemistry  
 2019–present Editorial Board, Traffic

#### **EDITORIAL REVIEW DUTIES *Ad Hoc***

American Journal of Physiology/ Atherosclerosis, Thrombosis and Vascular Biology/ Biochemistry/ Biochemical Journal/ Blood/ British Journal of Pharmacology/ Current Biology/ Current Pharmaceutical Design/ EMBO Journal/ FASEB Journal/ FEBS Letters/ Glycobiology / Journal of Biological Chemistry/ Journal of Cell Biology/ Journal of Cell Science/ Journal of Cellular Biochemistry/ Journal of Pharmacology and Experimental Therapeutics/ Journal of Thrombosis and Haemostasis/ Molecular Biology of the Cell/ Molecular and Cellular Biology/ Molecular Pharmacology/ Nature/ Nature Communications / Nature Structural and Molecular Biology/ Nature Reviews/ Physiological Reviews/ Oncogene/ PLoS One/ Proceedings National Academy of Sciences/ Science Signaling/ Traffic

#### **UNIVERSITY PUBLIC SERVICE**

##### **Department of Pharmacology**

2008–2015 Member, Department of Pharmacology Programs Committee  
 2009–2013 Member, Department of Pharmacology Education Committee  
 2009–2015 Member, Department of Pharmacology Appointment and Promotions Committee  
 2011–2016 Chair, Department of Pharmacology Seminar Committee  
 2013–2014 Chair, Department of Pharmacology Faculty Search Committee  
 2013–2016 Chair, Department of Pharmacology Education Committee  
 2014–2016 Vice Chair for Education, Department of Pharmacology  
 2016–2020 Vice Chair, Department of Pharmacology  
 2011–present Member, Pharmacological Sciences Training Grant Steering Committee  
 2015–present Director, Department of Pharmacology and IRACDA-City College Summer Undergraduate Research Fellowship (SURF) Program

##### **Biomedical Sciences (BMS) Graduate Program**

2008–2011 Chair, Biomedical Sciences Graduate Program Curriculum Committee  
 2010–2012 Diversity Coordinator, Biomedical Sciences Graduate Program for the Office of Graduate Studies  
 2010–2012 Vice-Chair and Member, Biomedical Sciences Graduate Program Admissions Committee  
 2010–2012 Diversity Coordinator, Biomedical Sciences Graduate Program for the Office of Graduate Studies  
 2008–present Member, Biomedical Sciences Graduate Program Standing and Promotions Advisory Committee  
 2009–present Member, Biomedical Sciences Graduate Program Research Proposition Qualifying Exam Committee

**Medical Scientist Training Program (MSTP)**

- 2010–2015 Member, Medical Scientist Training Program Summer Undergraduate Research Fellowship Program (MSTP-SURF) Admissions Committee
- 2010–2015 Member, Medical Scientist Training Program, Admissions Committee
- 2018–present Member, Medical Scientist Training Program, Steering Committee

**San Diego IRACDA Scholars Program**

- 2008–2013 Associate Director, San Diego Institutional Research and Academic Career Development Award (IRACDA) Postdoctoral Scholars Program
- 2013–present Director, San Diego Institutional Research and Academic Career Development Award (IRACDA) Postdoctoral Scholars Program – supported by NIH/NIGMS
- 2015–present Director, San Diego IRACDA SURF Program

**Health Sciences**

- 2008–2009 Co-Chair, Department of Pharmacology Faculty Search Committee
- 2008–2015 Member, Initiative for Maximizing Student Development (IMSD) Executive Committee
- 2013 Member, Hildyard Endowed Chair for Mitochondrial and Metabolic Diseases Committee
- 2015 Member, Hildyard Endowed Chair for Mitochondrial and Metabolic Diseases Committee
- 2015–2019 Associate Dean for Health Sciences Faculty Affairs, Office of the Vice Chancellor Health Sciences
- 2016–2017 Member, Associate Dean for Continuing Medical Education and Faculty Teaching Development Search Committee
- 2017–2018 Chair, UC San Diego Liaison Committee on Medical Education (LCME) Institutional Self Study Evaluation Task Force Subcommittee C
- 2018–2019 Member, Associate Dean for Health Sciences Academic Affairs Search Committee
- 2018–2019 Member, Assistant Dean for Diversity, Community Partnerships and Director of PRIME Health Equity Search Committee
- 2018–2019 Member, Vice Dean of Medical Education Search Committee
- 2019–2020 Chair, Associate Dean for Health Sciences Faculty Affairs Search Committee
- 2019–2020 Member, Department of Pharmacology Chair Search Committee
- 2020 Member, Department of Radiology Chair Review Committee
- 2019–2020 Chair, Excellence Search for Diverse Faculty in Health Sciences
- 2017–present Member, Altman Clinical Translational Research Institute Education Committee
- 2019–present Assistant Vice Chancellor for Health Sciences Faculty Affairs
- 2020–present Chair, Assistant Vice Chancellor for Health Equity Search Committee

**Health Sciences Office of Faculty Affairs**

- 2009–2015 Member, Health Sciences Faculty Equity Committee
- 2016–2020 Member, Health Sciences Faculty Rights and Welfare Committee, *ex officio*
- 2015–2020 Chair, Health Sciences Faculty Equity Committee
- 2018–2019 co-Director, Cultivating a Culture of Respect in the Academic Environment Training Workshop
- 2015–present Lead, Faculty Equity Advisor (FEA) Representative for Health Sciences, Office of Equity, Diversity and Inclusion
- 2015–present co-Lead, Annual Health Sciences Faculty Demographics
- 2015–present co-Lead, Health Sciences Faculty Climate Survey
- 2015–present Director, Health Sciences Leadership Skills Training Program
- 2017–present Director, Health Sciences Faculty Mentor Training Program
- 2017–present Director, Health Sciences Grant Writing Course
- 2019–present co-Director, NIH/NHLBI-supported FOCUS (Future Faculty of Cardiovascular Sciences) Faculty Development Program
- 2020–present co-Director, NIH/NINDS-supported LAUNCH (Leading the Advancement of Underrepresented Neuroscientists for Change) Faculty Development Program
- 2020–present co-Director, NIH/NIAID-supported RAPID (Raising Advancement and Parity for Infectious Disease Researchers) Faculty Development Program
- 2020–present Director, Health Sciences Faculty Inclusive Excellence Committee
- 2020–present Chair, Health Sciences Gender Equity Committee
- 2020–present co-Director, NIH/NIGMS-supported Building a Respectful, Inclusive Culture (BRIC)

**UC San Diego Campus-Wide**

2013	Member, Raza Resource Center Director Search Committee
2014–2016	Member, Raza Resource Centro Advisory Board
2015	Member, Faculty Advisory Committee for Postdoctoral Scholar Bargaining
2015	Member, Frontiers of Innovation: Center Launch Grant Review Committee
2015	Member, Chancellor’s Outstanding Postdoctoral Award Review Committee
2016	Member, Associate Vice Chancellor for Equity, Diversity and Inclusion Search Committee
2017	Member, Equal Opportunity, Affirmative Action and Diversity Award Review Committee

#### **University of California, Office of the President**

2009	Member, UC MEXUS-CONACYT Review Committee
2015	Faculty Moderator, UC President’s and Chancellor’s Postdoctoral Fellows Retreat, Lake Arrowhead, CA
2015–2016	Member, Mentoring Advisory Group in California (MAGIC), “Mentoring the Mentors to Enhance Diversity in the Biomedical Research Workforce”, UCOP and NRMN Collaboration
2016–2020	Member, Office of the President, Systemwide Peer Review Committee of Senior Personnel Management Violation of Policy
2018–present	Member, UC Health Diversity and Inclusion Task Force

#### **OUTREACH ACTIVITIES – DIVERSITY, EQUITY AND INCLUSION**

##### **University of California, San Diego (2009-present)**

2009	Speaker, Initiative for Maximizing Student Development Program
2009	Panelist, Office of Postdoctoral Scholar Affairs, San Diego Lab Management Symposium
2009–2015	Speaker, Medical Scientist Training Program Summer Undergraduate Research Fellowship Program
2009–2015	Speaker, Summer Science Enrichment Program for the CURE and other UCSD Programs
2011	Speaker and Host, Cal State University Long Beach RISE Program visit to UCSD
2012	Speaker, 5 <sup>th</sup> Annual Avanzamos Hermanitas Conference, MANA de San Diego “STEM Education: Excite and Inspire”
2013, 2014	Speaker, UCSD SACNAS Chapter
2015	Speaker and Host, Castle Park High School Students from Chula Vista, CA visit to UCSD
2016	Speaker, Raza Professoriate Pipeline, A Platica with Raza Faculty, Raza Resource Centro
2017	Speaker, Health and Medical Preparation Program HMP3
2017	Panelist, “Diverse Perspectives Across Generations”, Bioengineering Day, UCSD
2017	Speaker, Faculty of Color Reception, Audrey Giesel University House, La Jolla, CA
2018, 2019	Speaker, IMSD Program, University of California, San Diego
2018	Panelist, “Stories of Diversity in STEM”, UCSD SACNAS Chapter
2018	Speaker and Host, California State University Los Angeles Undergraduates visit to UCSD
2018	Speaker and Host, “Stem-ming for Succes”, San Diego High School Students visit to UCSD
2019	Sponsor, Barrio Logan Science & Art Expo in collaboration with the Center for Research on Educational Equity, Assessment and Teaching Excellence (CREATE)
2020	Speaker, Department of Medicine General Internal Medicine Forum “Effective Mentorship”
2020	Keynote Speaker, Medical Scientist Training Program (MSTP)-SURF, UC San Diego, La Jolla, CA

##### **Outreach Activities at Academic Institutions and National Forums (2002-present)**

2002	Speaker, ASCB Annual Meeting, Minorities Affairs Committee Mentoring Symposium, “ <b>Rungs on the Career Ladder: The Myths and Mysteries of the Professoriate</b> ”, San Francisco, CA
2002	Speaker, Stony Brook University, Center for Inclusive Education and the Alliance for Graduate Education and the Professorate (AGEP), Stony Brook, NY
2002	Keynote Speaker, SACNAS Annual Meeting, “ <b>The Myths and Mysteries of the Professoriate</b> ”, Anaheim, CA
2003	Keynote Speaker and Honorary Alumnae, Biomedical Sciences Graduate Program, University of California at San Diego, La Jolla, CA
2006	– American Society for Cell Biology Annual Meeting, MAC Poster Judge, Table leader for Career Issues Facing Biologists Discussion and Networking and Science Discussions
2015	
2008	– SACNAS Annual Meeting, Poster Judge, Chair of Session and Table leader for “Conversations with Scientists”
2015	
2006	Speaker, Society for the Advancement of Chicanos and Native Americans in Science Annual Meeting NIH/NIGMS Session “ <b>Fire in the Belly- Why should you go to Graduate School?</b> ” Tampa, FL
2009	Speaker, Department of Biology, MBRS RISE and MARC U*STAR Programs, University of Texas,

- San Antonio, TX
- 2010 Distinguished Lecturer, Scientists and Engineers Expanding Diversity and Success, University of Miami, Miller School of Medicine, Miami, FL **“Diversity in Science: The Importance of Mentoring”**
- 2011 Keynote Lecturer, Association of Multicultural Scientists, University of Minnesota, Minneapolis, MN **“Diversity in Science: The Importance of Mentoring”**
- 2012 Keynote Speaker, Society for the Advancement of Chicanos and Native Americans in Science Annual Meeting, Seattle, WA **“Realizing Opportunities, Rights and Responsibilities in Science”**
- 2012 Speaker, 5<sup>th</sup> Annual NIH Career Symposium, NIH, Bethesda, MD
- 2013 Speaker, IMSD Program and SACNAS Chapter, Brown University, Providence, RI
- 2015 Speaker, University of California Diversity Pipeline Initiative Leadership Institute Conference “Calibrating Your Compass to Academia- The Journey to a Faculty Position in the Health Sciences” Berkeley, CA
- 2015 Mentoring Keynote Speaker, American Society for Cell Biology Annual Meeting, San Diego, CA **“Realizing Opportunities in Science”**
- 2016 Keynote Speaker, Biomedical Research Symposium for IMSD, PREP and MARC Programs, University of New Mexico, Albuquerque, NM **“The Joys of Science: What does mentoring have to do with it?”**
- 2017 Invited Speaker, California State University Los Angeles, Minority Opportunities In Research Program in Biological Sciences Los Angeles, CA
- 2017 Molecular Pharmacology Gordon Research Conference “Power Hour” Session panelist, Il Ciocco, Italy
- 2017 FASEB Summer Research Conference, Career Development Workshop panelist, Saxtons River, VT **Invited Speaker at Academic Institutions and National Forums**
- 2018 Invited Speaker, IMSD, University of Massachusetts, Boston, MA
- 2019 Molecular Pharmacology Gordon Research Conference Power Hour Session “Solutions to Barriers of Women’s Success in Science: A Generational Perspective”, Ventura, CA
- 2019 Invited Speaker, SACNAS Chapter, Emory University, Atlanta, GA
- 2019 Invited Speaker, National Institutes of Health (NIH) /NIGMS Training, Workforce and Development (TWD) Meeting, Bethesda, MD
- 2020 Invited Panelist, American Society for Cell Biology, COVID-19 and Workforce Development

## **INVITED SCIENTIFIC SEMINARS, PRESENTATIONS AND SYMPOSIA**

### **National and International Meetings**

- 1999 American Society for Cell Biology, Symposia on Endocytosis and Cell Signaling, San Francisco, CA
- 2002 Boehringer Ingelheim Pharmaceuticals Inc., G Protein-Coupled Receptor Symposium, Tarrytown, NY
- 2003 Gordon Research Conference, “Second Messengers and Protein Phosphorylation”, Meriden, NH
- 2004 Keystone Symposia, “G Protein-Coupled Receptors: Evolving Concepts and Drug Discovery”, Taos, NM
- 2004 Great Lakes GPCR Retreat and the Club des Recepteurs a Sept Domaines Transmembranaire du Quebec, 5<sup>th</sup> Annual Meeting, Quebec, Canada
- 2005 Gordon Research Conference, “Second Messengers and Protein Phosphorylation”, Biddeford, ME
- 2005 FASEB Summer Research Conference, “Proteases in Hemostasis and Vascular Biology”, Saxons River, VT
- 2006 Dahlem Symposium, Cellular Signal Recognition and Transduction, Berlin, Germany
- 2006 Gordon Research Conference, Phosphorylation and G-Protein Mediated Signaling Networks, Biddeford, ME
- 2006 Gordon Research Conference, Hemostasis, Waterville, ME
- 2007 Gordon Research Conference, Molecular Pharmacology, Ventura, CA
- 2007 FASEB Summer Research Conference, Proteases in Hemostasis and Vascular Biology, Indian Wells, CA
- 2008 Chicago Signal Transduction Symposium, Northwestern University, Chicago IL
- 2008 Growth Factor and Signal Transduction Symposium, Extracellular and Membrane Proteases in Cell Signaling, Ames, IA
- 2008 Medicinal Chemistry: Molecular Recognition-Ligand Receptor Interactions, 4<sup>th</sup> Summer School, University of Regensburg, Regensburg, Germany
- 2009 British Pharmacological Society 3<sup>rd</sup> Focused Meeting on Cell Signaling, Leicester, England
- 2009 Gordon Research Conference, Molecular Pharmacology, Il Ciocco, Italy
- 2009 Gordon Research Conference, Phosphorylation and G-Protein Mediated Signaling Networks, Biddeford, ME
- 2010 FASEB Experimental Biology Annual Meeting, Anaheim, CA
- 2010 The Endocrine Society’s Annual Meeting, San Diego, CA
- 2010 Society for the Advancement of Chicanos and Native Americans in Science National Conference, “Advances in Cell and Cancer Research Symposia”, Anaheim, CA
- 2011 Gordon Research Conference, Molecular Pharmacology, Ventura, CA

- 2011 FASEB Summer Research Conference, Proteases in Hemostasis and Vascular Biology, Carefree, AZ
- 2012 Keystone Symposia, "G Protein Coupled Receptors: Molecular Mechanisms and Novel Functional Insights", Fairmont Banff Spring, Banff, Alberta, Canada
- 2012 Gordon Research Conference, "Hemostasis", Waterville, ME
- 2013 NIH/ National Cancer Institute Workshop on "Dysregulated Endocytosis and Cancer", Washington, DC
- 2013 XXIV<sup>th</sup> Congress International Society on Thrombosis and Haemostasis, Amsterdam, Netherlands
- 2013 Society for the Advancement of Chicanos and Native Americans in Science National Conference, "Protein Biochemistry and Cell Biology Symposia", San Antonio, TX
- 2013 Great Lakes GPCR Retreat and Club des Recepteurs a Sept Domaines Transmembranaire du Quebec, 14<sup>th</sup> Annual Meeting, Cleveland, OH
- 2014 American Society for Biochemistry and Molecular Biology Annual Meeting Symposium on "Structural Dynamics of Cell Signaling", San Diego, CA
- 2014 Gordon Research Conference, "Lysosomes and Endocytosis", Procter Academy, Andover, New Hampshire
- 2014 New York Academy of Sciences GPCR Symposium, New York, NY
- 2015 American Society for Biochemistry and Molecular Biology Ruth Kirchstein Diversity in Science Award
- 2015 Cambridge Healthtech Institute Conference, GPCR-based Drug Discovery, Boston, MA
- 2015 MDI Biological Laboratory "Getting Across-Molecular Mechanisms of Vascular Disease" Salisbury Cove ME
- 2015 Society for the Advancement of Chicanos and Native Americans in Science National Conference, "Finding Cancer's Achilles Heel", Washington, DC
- 2016 American Society for Pharmacology and Experimental Therapeutics Annual Meeting Symposium on "Intracellular GPCR and Lipid Signaling", San Diego, CA
- 2016 Keystone Symposia Conference, "G Protein-coupled Receptors Structure, Signaling and Drug Discovery", Keystone, CO
- 2016 Great Lakes GPCR Retreat and Club des Recepteurs a Sept Domaines Transmembranaire du Quebec, 14<sup>th</sup> Annual Meeting, Chicago, IL
- 2017 FASEB Summer Research Conference on "G Protein-Coupled Receptor Kinases and Arrestins: From Structure to Disease", Saxtons River, VT
- 2017 American Society for Cell Biology Annual Meeting E.E. Just Award Lecture, Philadelphia, PA
- 2018 Cambridge Healthtech Institute 2<sup>nd</sup> Annual GPCR-targeted Drug Design, San Diego, CA
- 2018 9<sup>th</sup> Adhesion-GPCR Workshop, Portland, OR
- 2018 Great Lakes GPCR Retreat and Club des Recepteurs a Sept Domaines Transmembranaire du Quebec, 16<sup>th</sup> Annual Meeting, Detroit, MI
- 2019 Gordon Research Conference, "Molecular Pharmacology", Ventura, CA
- 2019 ASBMB Special Symposium, "Serine Proteases in Pericellular Proteolysis and Signaling", Potomac, MD
- 2021 Gordon Research Conference "Hemostasis", Waterville Valley, NH
- 2021 11<sup>th</sup> Molecular Pharmacology of G Protein-Coupled Receptors, Monash Institute of Pharmaceutical Sciences, Melbourne, Australia

#### **Academic and Industrial Institutions**

- 2001 Duke University Medical Center, Department of Pharmacology and Cancer Biology, Durham, NC
- 2001 Morehouse School of Medicine, Neuroscience Institute, Atlanta, GA
- 2002 Stony Brook University, Department of Pharmacology, Stony Brook, NY
- 2002 University of Texas, Houston, Health Science Center, Department of Integrative Biology and Pharmacology, Houston, TX
- 2002 Inspire Pharmaceuticals Inc., Durham, NC
- 2003 University of Texas, San Antonio, Department of Biology and Chemistry, San Antonio, TX
- 2003 Morehouse College, Department of Biology, Division of Science and Mathematics, Atlanta, GA
- 2003 University of California, San Diego, Department of Pharmacology, La Jolla, CA
- 2003 NIEHS, Laboratory for Signal Transduction, Research Triangle Park, NC
- 2004 Loyola University Chicago Stritch School of Medicine, Department of Pharmacology and Experimental Therapeutics, Maywood, IL
- 2004 University of Texas, Houston, MD Anderson Cancer Center, Houston, TX
- 2004 University of North Carolina, Chapel Hill, Department of Cell and Developmental Biology, Chapel Hill, NC
- 2005 University of Rochester Medical Center, Department of Pharmacology and Physiology, Rochester, NY
- 2005 University of North Carolina, Chapel Hill, Department of Chemistry, Chapel Hill, NC
- 2006 Emory University, Department of Pharmacology, Atlanta, GA

2006 Eli Lilly & Company, Cancer Inflammation and Cell Survival, Indianapolis, IN

2006 University of California, San Diego, Department of Pharmacology, La Jolla, CA

2007 Vanderbilt University, Department of Pharmacology, Nashville, TN

2007 Johns Hopkins University, Department of Biology, Baltimore, MD

2007 Blood Research Institute, Blood Center of Wisconsin, Milwaukee, WI

2007 University of California, San Diego, Department of Pharmacology, La Jolla, CA

2007 University of California, Irvine, Department of Pharmacology, Irvine, CA

2008 University of Maryland, Baltimore, Center for Vascular and Inflammatory Diseases, Baltimore, MD

2008 University of Oklahoma Health Sciences Center, Department of Biochemistry and Molecular Biology, Oklahoma City, OK

2009 Sidney Kimmel Cancer Center, San Diego, CA

2009 University of California, Riverside, Division of Biomedical Sciences, Riverside, CA

2009 Purdue University, Department of Biological Sciences, West Lafayette, IN

2010 University of Miami, Miller School of Medicine, Miami, FL

2010 University of Arizona, Arizona Comprehensive Cancer Center, Tucson, AZ

2011 University of Minnesota, School of Medicine, Minneapolis, MN

2012 University of California, San Diego, Cardiovascular Science Conference Seminar, La Jolla, CA

2012 University of Colorado, Boulder, Signaling and Cellular Regulation Training Program, Boulder, CO

2012 University of Illinois at Chicago, Department of Biological Sciences, Chicago, IL

2012 Loyola University Chicago Stritch School of Medicine, Department of Pharmacology and Experimental Therapeutics, Maywood, IL

2013 Brown University, Department of Molecular Pharmacology, Physiology and Biotechnology, Providence, RI

2013 Beckman Research Institute of the City of Hope, Duarte, CA

2014 Cardeza Seminar Series, Thomas Jefferson University, Philadelphia, PA

2014 Sol Sherry Thrombosis Research Center, Temple University School of Medicine, Philadelphia, PA

2014 Washington University, Department of Anesthesiology Basic Research, School of Medicine, St. Louis, MO

2014 University of Iowa, Carver College of Medicine, Department of Pharmacology, Iowa City, IA

2015 Baylor College of Medicine, Department of Cell and Molecular Biology, Houston, Texas

2015 University of Chicago, Department of Biochemistry and Molecular Biology, Chicago, IL

2016 University of Kentucky, Department of Molecular and Cellular Biochemistry, Lexington, KY

2016 University of Florida, College of Medicine, Interdisciplinary Program in Biomedical Sciences, Gainesville, FL

2017 California State University Long Beach, Department of Chemistry and Biochemistry, Long Beach, CA

2017 University of Denver, The Long Lecture, Department of Biological Sciences, Denver, CO

2017 Pennsylvania State University College of Medicine, Department of Cellular and Molecular Physiology, Hershey, PA

2017 National Institutes of Health (NIH), National Heart, Lung and Blood Institute (NHLBI), Cell Biology and Physiology Center, Bethesda, MD

2017 University of Pennsylvania, Childrens Hospital of Philadelphia, Division of Cell Pathology, Philadelphia, PA

2017 National Institutes of Health (NIH), National Institute of General Medical Sciences (NIGMS), Training, Workforce Development and Diversity, Bethesda, MD

2017 University of California, San Diego, Department of Medicine Grand Rounds, La Jolla, CA

2017 California State University Los Angeles, Minority Opportunities In Research Program in Biological Sciences Los Angeles, CA

2018 University of Massachusetts, Department of Biology, Boston, MA

2018 Case Western Reserve University, Department of Pharmacology, Cleveland, OH

2018 University of California, San Diego, Cardiovascular Science Conference Seminar, La Jolla, CA

2019 Emory University, Department of Pharmacology and Chemical Biology, Atlanta, GA

2019 Medical College of Wisconsin, Department of Biochemistry, Milwaukee, WI

2019 University of California, San Diego 2<sup>nd</sup> Annual Vascular Biology Retreat, La Jolla, CA

2019 University of Connecticut Health, Farmington, CT

2019 University of Iowa, Department of Pharmacology, Iowa City, IA

2019 University of California, Santa Cruz, Department of Molecular, Cell and Developmental Biology, Santa Cruz, CA

2019 University of Pittsburgh, Department of Biological Sciences, Pittsburgh, PA

2021 University of North Carolina, Chapel Hill, Department of Pharmacology, Chapel Hill, NC

- 2021 University of Wisconsin-Madison, Molecular and Cellular Pharmacology Graduate Training Program, Madison, WI
- 2021 Tufts University, School of Medicine, Boston, MA
- 2021 University of Michigan, Department of Pharmacology, Ann Arbor, MI
- 2021 University of Pittsburgh, Department of Pharmacology, Pittsburgh, PA

## BIBLIOGRAPHY

### Dissertation

**JoAnn Trejo** (1992) "Regulation of AP-1 and  $\beta$ -amyloid Precursor Protein Gene Expression Through Protein Kinase C-Mediated Signaling Pathways" (PhD dissertation, University of California, San Diego), pg. 1-170

## PUBLICATIONS – BIOMEDICAL RESEARCH

### Peer-reviewed Original Research Articles

1. J.H. Brown, I. Trilivas, **J. Trejo**, and E.A. Martinson (1990) Multiple pathways for signal transduction through the muscarinic cholinergic receptor. *Prog. Brain Res.* 84: 21-29
2. **J. Trejo** and J.H. Brown (1991) *C-fos* and *c-jun* are induced by muscarinic receptor activation of protein kinase C but are differentially regulated by intracellular calcium. *J. Biol. Chem.* 266: 7876-7882
3. **J. Trejo**, J.C. Chambard, M. Karin and J.H. Brown (1992) Biphasic increase in *c-jun* mRNA is required for induction of AP-1 mediated gene transcription: Differential effects of muscarinic and thrombin receptor activation. *Mol. Cell. Biol.* 12: 4742-4750
4. **J. Trejo**, T. Massamiri, T. Deng, N.N. Dewji, R. Bayney and J.H. Brown (1994) A direct role for protein kinase C and the transcription factor Jun/AP-1 in the regulation of the Alzheimer's  $\beta$ -amyloid precursor protein gene. *J. Biol. Chem.* 269: 21682-21690
5. J.L. Brown, L. Stowes, M. Baer, **J. Trejo**, S.R. Coughlin and J. Chant (1996) Human Ste20 homologue hPAK1 links GTPases to the JNK/MAP kinase pathway. *Curr. Biology* 6: 598-605
6. **J. Trejo**, A.J. Connolly and S.R. Coughlin (1996). The cloned thrombin receptor is necessary and sufficient for activation of mitogen-activated protein kinase and mitogenesis in mouse lung fibroblasts. Loss of responses in fibroblasts from receptor knockout mice. *J. Biol. Chem.* 271: 21536-21541
7. M.J. Shapiro, **J. Trejo**, D. Zeng and S.R. Coughlin (1996) Role of the thrombin receptor's cytoplasmic tail in intracellular trafficking. Distinct determinants for agonist-triggered *versus* tonic internalization and intracellular location. *J. Biol. Chem.* 271: 32874-32880
8. **J. Trejo**, S.R. Hammes and S.R. Coughlin (1998) Termination of signaling by protease-activated receptor-1 is linked to lysosomal sorting. *Proc. Natl. Acad. Sci. USA* 95: 13698-13702
9. **J. Trejo** and S.R. Coughlin (1999) The cytoplasmic tails of protease-activated receptor-1 and substance P receptor specify sorting to lysosomes *versus* recycling. *J. Biol. Chem.* 274: 2216-2224
10. M.L. Kahn, T. G. Diacovo, D.F. Bainton, F. Lanza, **J. Trejo** and S.R. Coughlin (1999) Glycoprotein V deficient platelets have undiminished thrombin responsiveness and do not exhibit a Bernard-Soulier phenotype. *Blood*, 94: 4112-4121
11. **J. Trejo**, Y. Altschuler, H.-W. Fu, K.E. Mostov and S.R. Coughlin (2000) Protease-activated receptor-1 down-regulation: A mutant HeLa cell line suggests novel requirements for PAR1 phosphorylation and recruitment to clathrin-coated pits. *J. Biol. Chem.* 275: 31255-31265
12. M. M. Paing, A.B. Stutts, T.A. Kohout, R.J. Lefkowitz and **J. Trejo** (2002)  $\beta$ -arrestins regulate protease-Activated receptor-1 desensitization but not internalization or down-regulation. *J. Biol. Chem.* 277: 1292-1300
13. Y. Wang, Y. Zhou, K. Szabo, C.R. Haft and **J. Trejo** (2002) Down-regulation of protease-activated receptor-1 is regulated by sorting nexin 1. *Mol. Biol. Cell* 13: 1965-1976  
*This work was highlighted in a commentary entitled "Cell Biology; A last GASP for GPCRs" published in Science 2002 Vol 297:529-631*
14. **J. Trejo** (2003) Protease-activated receptors: New concepts in regulation of G protein-coupled receptor signaling and trafficking. *Perspectives in Pharmacology. J. Pharm. Exper. Ther.*, 307: 437-442

15. M.A. Booden, L. Ekert, C.J. Der and **J. Trejo** (2004) Persistent signaling by dysregulated thrombin receptor trafficking promotes breast carcinoma cell invasion. *Mol. Cell. Biol.* 24: 1990-1999
16. C.-H. Chen, M.M. Paing and **J. Trejo** (2004) Termination of protease-activated receptor-1 signaling by  $\beta$ -arrestins is independent of receptor phosphorylation. *J. Biol. Chem.* 279: 10020-10031
17. A. Gullapalli, T.A. Garrett, M.M. Paing, C.T.Griffin, Y. Yang, and **J. Trejo** (2004) A role for sorting nexin 2 in epidermal growth factor receptor down-regulation: Evidence for distinct functions of sorting nexin 1 and 2 in protein trafficking. *Mol. Biol. Cell* 15: 2143-2155
18. M.M. Paing, B. R.S. Temple and **J. Trejo** (2004) A tyrosine-based sorting signal regulates intracellular trafficking of protease-activated receptor-1: Multiple regulatory mechanisms for agonist-induced G protein-coupled receptor internalization. *J. Biol. Chem.* 279: 21938-21947
19. L. Stalheim, Y. Ding, A. Gullapalli, M.M. Paing, B. L. Wolfe, D.R. Morris and **J. Trejo** (2005). Multiple independent functions of arrestins in the regulation of protease-activated receptor-2 signaling and trafficking. *Mol. Pharm.* 67: 78-87
20. **J. Trejo** (2005) Internal PDZ ligands: Novel endocytic recycling motifs for G protein-coupled receptors. *Perspective. Mol. Pharm.* 67: 1-3
21. C. T. Griffin, **J. Trejo** and T. Magnuson (2005) Genetic evidence for a mammalian retromer complex containing sorting nexins 1 and 2. *Proc. Natl. Acad. Sci. USA* 102: 15173-15177
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## PUBLICATIONS – FACULTY DEVELOPMENT AND EDUCATION RESEARCH

### Peer-reviewed Original Research Articles

1. D. Wingard, **J. Trejo**, M. Gudea, S. Goodman and V. Reznik. (2019). Faculty Equity, Diversity, Culture and Climate Change in Academic Medicine: A Longitudinal Study. **J. Nat. Med. Assoc.**, 11:(1): 46-53.
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## OPINIONS AND PERSPECTIVES / NEWS, SPOTLIGHTS AND HIGHLIGHTS

### Opinions and Perspectives

1. **J. Trejo (2009)** "Diversity in Science: The Importance of Mentoring", American Society for Cell Biology Newsletter – February 2009, Volume 32 No. 2, pg. 35-37 and **Career Advice for Life Sciences Volume III, Women in Cell Biology**, American Society for Cell Biology, Chapter 7, pg.86-89.
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### News, Spotlights and Highlights

1. "In the Spotlight: Interviews with ASPET members" **JoAnn Trejo** The Pharmacologist, September Volume 55 No. 3 2013, [https://www.aspet.org/The\\_Pharmacologist.aspx](https://www.aspet.org/The_Pharmacologist.aspx)  
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3. "Passionate About Diversity in Science" feature article about **JoAnn Trejo**, STEM department; Hispanic Network Magazine, Summer 2015, pg. 62-64
4. National Institutes of Health, Women in Biomedical Careers, Office of Research on Women's Health, Featured Scientist, **JoAnn Trejo** March 8, 2016, [https://womeninscience.nih.gov/women\\_scientists/trejo.asp](https://womeninscience.nih.gov/women_scientists/trejo.asp)
5. **JoAnn Trejo** recognized for her support of underrepresented minorities, ASBMBTODAY March 2015 <http://www.asbmb.org/asbmbtoday/201503/DiversityAward/>
6. Windfall for UCSD's Brightest Young Scientists: \$5.9 M NIH Grant, features **JoAnn Trejo** July 21, 2016 <http://timesofsandiego.com/education/2016/07/21/windfall-for-ucsd-brightest-young-scientists-5-9m-nih-grant/>
7. Program Providing UC San Diego Postdoctoral Scholars with Academic Career Training Renewed UC San Diego Health Newsroom. July 21, 2016, <https://health.ucsd.edu/news/releases/Pages/2016-07-21-program-for-postdoc-scholars-renewed.aspx>
8. UC San Diego's **JoAnn Trejo** to Be Honored with ASCB's EE Just Award, October 26, 2017 <https://www.newswise.com/articles/uc-san-diego-s-joann-trejo-to-be-honored-with-ascb-s-ee-just-award>
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#### **SOCIAL MEDIA**



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