



M. LUISA IRUELA-ARISPE
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Department of Cell & Dev Biol
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Curriculum Vitae

A-GENERAL INFORMATION

PERSONAL:

Mailing Address: 302 E. Huron Street
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Chicago, IL 60611
Citizenship: USA and Spain

EDUCATION:

1989 Ph.D., Department of Histology, Universidade de São Paulo, Brazil, and Department of Biological Structure, University of Washington, Seattle, WA
Thesis Advisor: Dr. E. Helene Sage
1986 MS., Department of Histology and Embryology, Universidade Federal de Rio de Janeiro, Brazil
1983 BS., Biology, Universidade Gama Filho, Rio de Janeiro, Brazil

POSTDOCTORAL TRAINING:

1989-1993 Postdoctoral Fellow, Department of Biological Structure, University of Washington, Seattle, WA
Advisors: Dr. E. Helene Sage and Dr. Paul Bornstein

PREVIOUS POSITIONS:

Academic

2018-2019 Distinguished Professor, Department of Molecular, Cell, and Dev. Biology, UCLA, Los Angeles, CA
2008-2019 Full Professor, Orthopaedic Surgery, UCLA, Los Angeles, CA
2003-2017 Professor, Department of Molecular, Cell, and Developmental Biology, UCLA, Los Angeles, CA
2000-2003 Associate Professor with Tenure, Department of Molecular, Cell, and Developmental Biology, UCLA, Los Angeles, CA
1998-2000 Assistant Professor, Department of Molecular, Cell, and Developmental Biology, UCLA, Los Angeles, CA
1994-1998 Assistant Professor, Department of Pathology, Harvard Medical School and Beth Israel-Deaconess Medical Center, Boston, MA

Administrative

2016-2021 Member, NCI National Heart, Lung and Blood (NHLBAC), Advisory Council
2014-2019 Director, Molecular Biology Institute, UCLA, Los Angeles, CA

2011-2019	Chair, Molecular Biology Interdepartmental Graduate Program, Molecular Biology Institute, UCLA, Los Angeles, CA
2004-2017	Vice-Chair, Department of Molecular, Cell and Developmental Biology, UCLA, Los Angeles, CA
2011-2014	Interim Director, Molecular Biology Institute, UCLA, Los Angeles, CA
2006-2016	Director of Cancer Stem Cell Biology Program Area, Jonsson Comprehensive Cancer Center, UCLA, Los Angeles, CA
2005-2006	Associate Director of Cancer Cell Biology Program, Jonsson Comprehensive Cancer Center, UCLA, Los Angeles, CA

CURRENT POSITIONS:

2024-present	Professor Emeritus, University of California, Los Angeles
2022-present	Co-Leader of the NURTURE Faculty Development Core funded by the NIH Northwestern University FIRST Grant
2021-present	North American Lead Coordinator of the ReVAMP Network funded by the Leducq Foundation in Cardiovascular Research
2021-present	Co-Leader of the Tumor Environment and Metastasis Program at the Robert H. Lurie Comprehensive Cancer Center, Feinberg School of Medicine, Northwestern University, Chicago, IL
2019-present	Stephen Walter Ranson Professor and Chair, Department of Cell and Developmental Biology, Feinberg School of Medicine, Northwestern University, Chicago, IL

SCIENTIFIC SABBATICAL:

2012-2013	Sabbatical year at EPFL, Laboratories of Dr. Doug Hanahan and Dr. Miki De Palma
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AWARDS AND HONORS:

- Member, Royal Academy of Medicine of Belgium, 2025
- Elected Fellow, American Society for Cell Biology, 2024
- NAVBO Stephen Schwartz Award for excellence in mentorship, 2023
- Elected Fellow, American Association for the Advancement of Science, 2022-present
- NIH/NHLBI Outstanding Investigator Award (R35), 2018-2024
- Outstanding Mentor Award, given to a single member of the faculty by the Society of Postdoctoral Scholars at UCLA, 2014
- UCLA Gold Shield Faculty Prize – awarded annually to a full professor in mid-academic career in recognition of extraordinary accomplishment in undergraduate teaching, research and creative activity, and service to UCLA, 2013
- Citation for Distinguished Service as a member of the Editorial Board of American Journal of Physiology for 2011 & 2012 – Heart & Circulatory Physiology
- The 2009 Judah Folkman Award (first recipient), given annually by NAVBO, for excellence in research and service to the vascular biology community
- The 2009 Judah Folkman Award (first recipient), given annually by NAVBO, for excellence in research and service to the vascular biology community
- Undergraduate Mentorship Award in 2009 for excellence in mentorship at UCLA (1 award is given campus-wide with 4,000 tenured faculty members)
- Distinguished Teaching Award in 2009 for excellence in teaching at UCLA (6 awards are given campus-wide with 4,000 tenured faculty members)
- Judith Lengyel Award in 2005 for excellence in research, teaching and service at UCLA
- Wiederhielm Award for 2002 (given by the Microcirculatory Society for the most cited paper (2002) in that field)
- UCLA - Dean's Marshall Awardee, 2000
- UCLA Margaret E. Early Awardee, 1999-2001
- American Heart Association Established Investigator, 1999-2004.
- UCLA Drake Scholar Awardee, 1999
- UCLA Stop Cancer Next Generation Awardee, 1999

MOST SIGNIFICANT PUBLICATIONS:

1. Romay, M. C., Knutsen, R. H., Ma, F., Mompeón, A., Hernandez, G. E., Salvador, J., Mirkov, S., Batra, A., Sullivan, D. P., Procissi, D., Buchanan, S., Kronquist, E., Ferrante, E. A., Muller, W. A., Walshon, J., Steffens, A., McCortney, K., Horbinski, C., Tournier-Lasserre, E., Sonabend, A. M., Sorond, F.A., Wang, M.M., Boehm, M., Kozel, B.A., **Iruela-Arispe, M. L.** 2024. Age-related loss of Notch3 underlies brain vascular contractility deficiencies, glymphatic dysfunction, and neurodegeneration in mice. **J Clin Invest.** 134(2): e166134. [PMCID: PMC10786701](#).
2. Hernandez, G.E., Ma, F., Martinez, G., Firozabadi, N.B., Salvador, J., Juang, L.J., Zhao, P., Lopez, D.A., Ardehali, R., Beaudin, A.E., Kastrop, C.J., Pellegrini, M., Flick, M.J., and **Iruela-Arispe, M.L.** 2022. Aortic intimal resident macrophages are essential for maintenance of the non-thrombogenic intravascular state. **Nature Cardiovasc Res.** 1:67–84. [PMCID: PMC9121812](#).
3. McDonald, A.I., Shirali, A.S., Aragón, R., Ma, F., Hernandez, G., Vaughn, D.A., Mack, J.J., Lim, T.Y., Sunshine, H., Zhao, P., Kalinichenko, V., Hai, T., Pelegrini, M., Ardehali, R., and **Iruela-Arispe, M.L.** 2018. Endothelial Regeneration of Large Vessels is a Biphasic Process Driven by Local Cells with Distinct Proliferative Capacities. **Cell Stem Cell.** 23(2):210-225. [PMCID: PMC6178982](#).
4. Goddard, L.M., Murphy, T.J., Org, T., Enciso, J.M., Hashimoto-Partyka, M.K., Warren, C.M., Domigan, C.K., McDonald, A., He, H., Sanchez, L.A., Allen, N.C., Orsenigo, F., Chao, L.C., Dejana, E., Tontonoz, P., Mikkola H.K.A., **Iruela-Arispe, M.L.** 2014. Progesterone receptor in the vascular endothelium triggers physiological uterine permeability preimplantation. **Cell.** 156(3):549-62. [PMCID: PMC3985399](#).
5. Zovein, A.C., Luque, A., Turlo, K.A., Hofmann, J.J., Yee, K.M., Becker, M.S., Fassler, R., Mellman, I., Lane, T.F., **Iruela-Arispe, M.L.** 2010. Beta1 integrin establishes endothelial cell polarity and arteriolar lumen formation via a Par3-dependent mechanism. **Dev Cell.** 18(1):39-51. [PMCID: PMC3178410](#).
(Highlighted by Faculty of 1000).
6. Zovein, A.C., Hofmann, J.J., Lynch, M., French, W.J., Turlo, K.A., Yang, Y., Becher, M.S., Zanetta, L., Dejana, E., Gasson, J., Tallquist, M.D., **Iruela-Arispe, M.L.** 2008. Fate tracing reveals the endothelial origin of hematopoietic stem cells. **Cell Stem Cell.** 3(6):625-636. [PMCID: PMC2631552](#). **(Cover)**
(Highlighted by faculty of 1000; Selected by Science Editor's Choice. Highlighted by Nature Reviews, also Top 10 most downloaded paper for 2008 in Dev Cell).
7. Lee, S., Chen, T.T., Barber, C.L., Jordan, M.C., Murdock, J., Desai, S., Ferrara, N., Nagy, A., Roos, K.P., **Iruela-Arispe, M.L.** 2007. Autocrine VEGF signaling is required for vascular homeostasis. **Cell.** 130:691-703. [PMCID: PMC3010851](#).
(Highlighted in the Cell issue and by Nature Reviews 7:475 Recommended as must read by Faculty of 1000).
8. Lee, S., Jilani, S.M., Nikolova, G.V., Carpizo, D., **Iruela-Arispe, M.L.** 2005. Processing of VEGF-A by matrix metalloproteinases regulates bioavailability and vascular patterning in tumors. **J. Cell Biol.** 169(4):681-691. [PMCID: PMC2171712](#). **(Cover)**
(Highlighted in the JCB issue and by Nature Reviews 5:500-501, also Top 10 most cited paper that year in JCB).

B-ACADEMIC SERVICE

TEACHING:

Graduate Teaching:

At Northwestern (for graduate students)

- Lecturer: Fundamentals in Biomedical Sciences (DGP/IGP 403) – 3 Lectures, Enrollment 37 students – Winter 2024
- Lecturer: Cell Biology (DGP 405) – 3 Lectures, Enrollment 37 students – Winter 2023
- Lecturer: Stem Cell & Developmental Biology (DGP 456) – 1 Lecture, Enrollment 9 students – Spring 2022
- Lecturer: Cell Biology (DGP 405) – 3 Lectures, Enrollment 40 students – Winter 2022

- Lecturer: Cell Biology (DGP 405) – 3 Lectures, Enrollment 25 students – Winter 2021
- Lecturer: Cell Biology (DGP 405) – 3 Lectures, Enrollment 31 students – Winter 2020

At UCLA (for graduate students)

- Course Coordinator and Lecturer: Vascular Biology (MCDB224) – 5 lectures, Enrollment 11 students – Spring 2019
- Course Coordinator and Lecturer: Scientific Writing (MCDB 255) – 10 lectures, Enrollment 25 students – Winter 2019
- Course Coordinator and Lecturer: Scientific Writing (MCDB 255) – 10 lectures, Enrollment 30 students – Winter 2018
- Course Coordinator and Lecturer: Scientific Writing (MCDB 255) – 20 lectures, Enrollment 21 students – Winter 2017
- Course Coordinator and Lecturer: Vascular Biology (MCDB224) – 5 lectures, Enrollment 9 students – Spring 2016
- Course Coordinator and Lecturer: Scientific Writing (MCDB 255) – 20 lectures, Enrollment 20 students – Winter 2016
- Course Coordinator and Lecturer: Scientific Writing (MCDB 255) – 20 lectures, Enrollment 20 students – Winter 2016
- Course Coordinator and Lecturer: Scientific Writing (MCDB 255) – 20 lectures, Enrollment 20 students – Winter 2015
- Course Coordinator and Lecturer: Vascular Biology (MCDB224) – 3 lectures, Enrollment 14 students – Spring 2014
- Course Coordinator and Lecturer: Vascular Biology (MCDB224) – 6 lectures, Enrollment 16 students – Spring 2012
- Course Coordinator and Lecturer: Vascular Biology (MCDB224) – 3 lectures, Enrollment 18 students – Spring 2010
- Stem Cell Biology and Regenerative Medicine (M272) – 2 lectures, Enrollment 23 students – Spring 2009
- Course Coordinator and Lecturer: Cell Biology (M267) – 5 lectures, Enrollment 74 students – Winter 2009
- Stem Cell Biology and Regenerative Medicine (M272) – 2 lectures, Enrollment 18 students – Spring 2008
- Course Coordinator and Lecturer: Cell Biology (M267) – 5 lectures, Enrollment 83 students – Winter 2008
- Stem Cell Biology and Regenerative Medicine (M272) – 2 lectures, Enrollment 22 students – Spring 2007
- Course Coordinator and Lecturer: Cell Biology (M267) – 7 lectures, Enrollment 64 students – Winter 2007
- Course Coordinator and Lecturer: Cell Biology (M267) – 7 lectures, Enrollment 121 students – Winter 2006
- Signaling Mechanisms in Developmental Processes (MBI-298, seminar course) – 10 weeks, Enrollment 18 students – Spring 2005
- Course Coordinator and Lecturer: Vascular Biology (MCDB224) – 4 lectures, Enrollment 25 students – Winter 2005
- Course Coordinator and Lecturer: Cell Biology (M267A) – 7 lectures, Enrollment 72 students – Winter 2005
- Cell Biology (M267) – 6 lectures, Enrollment 67 students – Winter 2004
- Cell Biology (M267) – 5 lectures, Enrollment 60 students – Winter 2003
- Tyrosine Kinases in Physiology and Disease (MBI-297) – 10 weeks, Enrollment 27 students – Fall 2002
- Cell Biology (M267) – 5 lectures, Enrollment 76 students – Winter 2002
- Tyrosine Kinases in Physiology and Disease (MBI-297) – 10 weeks, Enrollment 18 students – Fall 2001
- Molecular Genetics of Development (MCDB-278) – subtitled: Molecular/Cellular Basis of Organogenesis (seminar course) – 10 weeks, Enrollment 16 students – Fall 2001
- Assessment of Gene Function Using Mouse Models (MBI-298, seminar course) – 10 weeks, Enrollment 18 students – Winter 2000
- Molecular Mechanisms of Blood Vessel Function and Therapeutic Intervention in Cancer (MBI-297, seminar course) – 10 weeks, Enrollment 18 students – Spring 1999

At Harvard Medical School (for medical students)

- Genetics, Embryology and Reproduction (6 lectures) – 1998
- Genetics, Embryology and Reproduction (4 lectures) – 1997
- Pathology (discussion of pathology cases) – 1996 and 1997

Undergraduate Teaching:

At UCLA

- Biology of the Cell (MCDB-165) –20 lectures, Enrollment 149 students – Fall 2018
- Biology of the Cell (MCDB-165) –20 lectures, Enrollment 61 students – Fall 2017
- Integrative Approach to Discovery in MCDB (MCDB 110L) – 24 lectures, Enrollment 12 students – Summer 2017
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 160 students – Fall 2016
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 152 students – Fall 2015
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 147 students – Fall 2014
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 125 students – Fall 2013
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 177 students – Fall 2011
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 132 students – Fall 2010
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 147 students – Fall 2009
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 151 students – Fall 2008
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 151 students – Fall 2008
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 135 students – Fall 2007
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 121 students – Fall 2006
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 181 students – Fall 2005
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 165 students – Fall 2004
- Current topics in MCDB (MCDB-197) – 10 lectures, Enrollment 10 students – Winter 2004
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 155 students – Fall 2003
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 140 students – Fall 2002
- Biology of the Cell (MCDB-165) – 20 lectures, Enrollment 135 students – Fall 2001
- Biology of the Cell (MCDB-165) – 16 lectures, Enrollment 65 students – Winter 2001
- Introduction to Cell Biology (MCDB-100) – 20 lectures, Enrollment 132 students – Fall 1999

TRAINING

Former Graduate Students:	<u>Dates in Training</u>	<u>Current Position</u>
Francisca Vazquez	1995-1998	Director, Cancer DepMap, Broad Institute of MIT and Harvard
Darren Carpizo	1999-2003	Professor, Dept of Surgery, Cancer Center, University of Rochester Medical Center
Shelley Thai	1998-2004	Professor, Biology Dept. Glendale Community College, CA
Thomas Murphy	1999-2004	Senior Consultant, MFP Life Science Consulting
Nathan Lee	1999-2004	Executive Director, Cancer Biology Riva Therapeutics
Jackelyn Alva	2000-2005	Scientist, City of Hope
Chad Lindsey Barber	2003-2008	Professor of Biology, Director of Public Health Minor Program, California Lutheran University
Jennifer Jean Hofmann	2004-2009	Associate Professor & Co-Chair, Department of Biology Concordia University Texas
Tom T. Chen	2004-2009	Senior Director of Biology, Athae Bio
Kirsten Ann Turlo	2005-2011	Lecturer, UCLA
Lauren M. Goddard	2007-2013	Research Associate, University of Pennsylvania
Huanhuan He	2010-2013	Professor, Sun Yat-sen University, Zhuhai, China
Courtney Kay Domigan	2007-2014	Director, Kite Pharma, Inc.

Onika Doreeen Veroniza Noel	2010-2015	Urologic Oncology Fellow, UT Health SanAntonio
Safiyyah N. Ziyad	2010-2015	Scientist, Translational Sciences, Bristol-Myers Squibb
Autumn (Austin) McDonald	2012-2017	Research Fellow, Cardiovascular Research Institute, Mass General Hospital & Harvard Medical School
Gloria Hernandez	2017-2021	Postdoctoral Fellow, Genentech
Hannah Sunshine	2015-2023	Biology Patent Examiner for the US Patent Office (USPTO)
Katiannah Moise	2020-2024	Postdoctoral Fellow, University of Chicago
Jocelynda Salvador	2020-2025	Postdoctoral Fellow, Northwestern Feinberg School of Medicine
Danielle Pi	2021-2025	Medical Student, Northwestern Feinberg School of Medicine
Former Master Students:		
Shahla Jilani	2000-2002	Deputy Chief Medical Officer & Senior Advisor for Opioid Policy, US Dept of HHS
Lauren Sanchez	2005-2008	Assistant Professor, Pediatrics, UCSF
Former Ph.D. Post-Doctoral Fellows:		
Jose Luis Alonso	1994-1996	Instructor, Nephrology, Mass. General Research Institute, Harvard Medical School
Sang Hoon Lee	1994-1997	CEO/Founder, ABL Bio, Inc, Korea
Maria A. Ortega	1994-1998	Scientist, Applied Biosyst, Spain
Karol Watson	1998-2000	Professor of Medicine, Director of UCLA Women's Cardiovascular Health Center, UCLA DGSOM
Juan Carlos Rodriguez-Manzaneque	1997-2002	PI, GENYO Univ de Granada, Spain
Alfonso Luque	2000-2005	Distinguished PI, Spanish National Center for Cardiovascular Research CNIC, Spain
Arnaud Monvoisin	2002-2005	Assistant Professor, Cell Biology, University of Poitiers, France
Nathan Lee	2004-2006	Executive Director, Cancer Biology Riva Therapeutics
Sunyoung Lee	2001-2008	Assistant Professor at Sanford- Burnham Medical Research Institute
Antonio Torres-Collado	2010-2013	Medical Writer at MSC, Spain
Carmen Warren	2008-2014	Director, Kite Pharma, Inc.
Anais Briot	2010-2015	Faculty, INSERM, Toulouse, France
Safiyyah Ziyad	2015-2017	Scientist, Translational Sciences, Bristol-Myers Squibb
Julia Mack	2011-2018	Assistant Professor, UCLA, Dept of Medicine, Cardiology Division
Georg Hilfenhaus	2013-2019	Clinician Scientist, Max Delbrück Center, Berlin
Emilie Rannou	2016-2019	Researcher, University of Zurich
Sanna Vattulainen-Collanus	2017-2019	Geneticist, Blueprint Genetics, CA
Austin Quach	2018-2019	Co-Founder & CSO of Dalton Bioanalytics
Melanie Uebelhoer	2015-2019	Chief Scientific Officer at Artialis, Liège, Belgium
Mialgros Romay	2017-2025	Research Assistant Professor, Northwestern University

Former M.D. Post-doctoral Fellows:

Michael Graubert	1995-1997	MD Director, Palmetto Fertility Ctr., Miami FL
Ann Zovein	2003-2010	Head of Translational Science, Angitia
Josephine Enciso	2007-2014	Clinical Professor, Peds/Neonatology, UCLA School of Medicine
Aditya Shirali	2015-2017	Assistant Professor of Surgery, University of Florida, College of Medicine
Yalda Afshar	2017-2019	Assistant Professor, Maternal Fetal Medicine, UCLA School of Medicine

Sabbatical Faculty:

Andrea Monte Alto Costa	2010-2011	Faculty, Rio de Janeiro State University, Brazil
Vanessa Freitas	2017-2018	Faculty, University of Sao Paulo, Brazil

Medical Students:

1994-1995: Thao Truong, Harvard Medical School
1997-1998: Robert Ruelaz, Harvard Medical School
1997-1998: Steve Russo, Harvard School of Dentistry
2013-2014: Taylor Hu, Duke Univ. (Sarnoff Research Fellow)
2021-2024: Alan Poe, Northwestern Medical School

Undergraduate Students

2000-2001: Karen Cheng, Ganka Nikolova, Minh-ha Do, Nick Hamilton
2001-2002: Minh-ha Do, Nick Hamilton, Anthony Salazar, Randy Dalugdugan
2002-2003: Anthony Salazar, Randy Dalugdugan, Shirley Siao
2003-2004: Randy Dalugdugan, Erin Yokoyama, Nita Nayak, Jessie Porter
2004-2005: Megana Krishna Prasad, Nancy Allen, Lauren Sanchez
2005-2006: Lauren Sanchez
2006-2007: Lauren Sanchez, Analila Valencia, Ali Naqvi
2007-2008: Lauren Sanchez, Analila Valencia, Stephanie Lauw, Huilin Koh, Kevin Chen, Michael Safaee
2008-2009: James Jim Garritano, Marie LaRussa, Sravya Keremane, Ajayram Ullal, Xi Xue, D'Juan Farmer, Ryan Ponec, Aaron Der, Roshni Vora, Jason Scapa
2009-2010: D'Juan Farmer, Ryan Ponec, Aaron Der, Roshni Vora, Jason Scapa, Sanaz Bhafouri, Parnian Paymoud-Yazdi, Howard Lo, Amy Ton
2010-2011: Howard Lo, Amy Ton, Michael Daniel, Yilan Shi
2011-2012: Amy Ton, Michael Daniel, Maryanne Ibrahim, Jake Lichterman, Ryan Freshman
2012-2013: Ryan Freshman, Kristine Huynh, Michael Rale, Vaspour Antanesian, Helen Yu
2013-2014: Ryan Freshman, Kristine Huynh, Michael Rale, Vaspour Antanesian, Helen Yu, Tiffany Lim, Grace Karen Kam Hoi
2014-2015: Helen Yu, Tiffany Lim, Grace Karen Kam Hoi, Dana Song, Victoria Lee, Jonathan Freshman, John O'Fee, Dai Phuong Nguyen, William Jones
2015-2016: Tiffany Lim, Victoria Lee, Jonathan Freshman, John O'Fee, Dai Phuong Nguyen, William Jones, Angela Eun Jin Park, Kelly Gu
2016-2017: Jonathan Freshman, William Jones, Angela Eun Jin Park, Kelly Gu, Divya Prajapati, Justin Mak, Margaret Ramirez, Melissa Papuc, Shreya Banerjee
2017-2018: Jonathan Freshman, Divya Prajapati, Justin Mak, Margaret Ramirez, Melissa Papuc, Shreya Banerjee, Max Yang, Winnie Liu, Liliana Tinoco
2018-2019: Divya Prajapati, Margaret Ramirez, Melissa Papuc, Shreya Banerjee, Winnie Liu, Liliana Tinoco, Guadalupe Martinez, Isabella Cardenas, Andrew Reyes, Anhyo Jeong (AJ), Kamal Kolluri, Anthony Suberski, Maya Kardouh
2020-2021: Nadia Firozabadi, Cyrus Abrahamson
2021-2022: Cyrus Abrahamson, Spencer Camp

2022-2023: Cyrus Abrahamson, Andrew Wang, Yashoswini Chakraborty, Sophia Johnston (1 year post graduation), Aarya Mehta, Aya Masri, Melanie Cabrera
2023-2024: Cyrus Abrahamson, Andrew Wang, Yashoswini Chakraborty, Sophia Johnston (2 years post graduation), Aarya Mehta, Aya Masri, Melanie Cabrera
2024-2025: Aarya Mehta, Aya Masri, Hyewon "Grace" Seo

High School Students (Summer):

2015: Shazreh Hassan, Valencia High School, Admitted to UC Berkeley Fall 2016
2017: Lauren Sanchez, Notre Dame High School
2018: Lauren Sanchez, Notre Dame High School; Tara Reddy (year-round), Harvard-Westlake High School
2019: Tara Reddy, Harvard-Westlake High School; Christine Wakasa, Venice High School
2022: Chloe Symons, Melanie Cabrera, Kiran Garapti
2023: Chloe Symons

Rotating Graduate Students at UCLA (1 Quarter):

1998: Shelley Thai, Thomas Murphy
1999: Huei-Yu Wang, Allison B. Milchanowski, Nathan Lee, Eda Yildirim
2000: Kristie Nybo, Jackelyn Alva, Byeong Yoon, Darren Carpizo
2001: Melissa Comiso, Andra Dumitrescu
2002: Saunders Ching
2003: Esra Cagavi, Jeremy Burton, Chad Barber, Naureen Quibria, Dragana Bojanic
2004: Tom Chen, Alexander Garcia, Ruchi S. Medhekar, Jennifer Hofmann
2005: Kirsten Turlo, Amir Ghaffari (MSTP)
2006: Lucas Retespo, Ayca Erbilgin, Sharina Desai, Analyne Schroeder
2007: Faith Lauren Hall-Glenn, Erin Noel Kirkbride
2008: Michelle Dragojlovic, Kristine Estrada, Courtney Domigan, William Wooten, Lauren Goddard
2009: Elena Bibikova, Nicole M. Wheatley, Hoangkim Nguyen, Jeanette Grant, Jia Liu, Huanhuan He, Kevin Huang
2010: Onika Noel (MSTP), Safiyyah Ziyad, Maia Boudzinskaia, Joseph H. Calvopina, Danny El-Nachef, Jun Deng
2011: Marcus Ruscetti, Austin McDonald, Dan Duan, Gabriel Wong
2013: Wenting Tsai, Ha Neul (Skott) Lee
2014: Giovanni Acosta, Norman Franklin Truong, Aaron van Loon
2015: Allison Fujii
2016: Martha Zamora-Pineda, Matthew Nitzahn, Hannah Sunshine
2017: Gloria Hernandez, Raquel Hernandez-Solis (Raquel Aragón), Matthew Russell (MSTP)
2018: Pavlo Nesterenko, Benita Jin
2019: Jocelynda Salvador, Todd Kimball

Rotating Graduate Students at Northwestern University (1 Quarter):

2020: Danielle Pi, David Scholten, Katiannah Moise, Lenore Yalom
2021: Hyebin Han Roh, AnnMarie Dominguez, Lucy Luo, Vivienne Fang, Zachary Shaver
2022: Hannah McDowell, Karla Guerra, Giangela Stokes, Aryana (Javaheri) Famili-Youth, Sanaz Ghotbaldini
2023: Madeline Melzer, Colin Lemire

MENTORSHIP TRAINING – DIVERSITY AND INCLUSION

- February 24, 2022: AAMC MOSAIC Mentorship Training
- November 1, 2021: AAMC MOSAIC Mentorship Training
- August 11, 2021: Driskel Graduate Program Mentor Workshop
- March 25, 2021: History of Racism in Science and Medicine, HHMI Gilliam Seminar and Panel Discussion
- November 13, 2020: Addressing Inequities in Higher Education Post-COVID
- June 23, 2020: Unconscious Bias: Interactive virtual workshop designed to raise awareness about biases existing in daily interactions.

- March 1, 2019: Semel Healthy Campus Initiative Center: EngageWell Mentoring Workshop lead by Fraye Crosby, Distinguished Professor in Psychology and Provost at UCSC. Leading authority on affirmative action and diversity issues, UCLA La Kretz Pavilion
- December 2018-April 2019: HHMI Mentoring Training as part of Gilliam Fellowship. Monthly interactive webinars and in-person workshop at HHMI Conference Center in Washington DC. Points of focus: the science of mentoring, optimizing mentoring practices, improving communication, challenges in mentoring
- September 12-13, 2018: Graduate Programs in Bioscience: Advanced Mentoring Practices, UCLA GH-B36

PARTICIPATION IN COMMITTEES:

Recruitment Committees-Northwestern University

- Chair, Faculty Search Committee in Cell and Developmental Biology, 2019-2025.
- Joint Faculty Search Committee in Cell and Developmental Biology and Center for Synthetic Biology, 2019-2020.

Recruitment Committees-UCLA

- Reviewer, Committee for Interdisciplinary and Cross-Campus Affairs Vice Provost (Timothy Brewer), 2019.
- Search Committee for Academic Personnel Vice-Chancellor, Member, 2017-2018.
- Evaluation Committee for Dean, School of Dentistry (No Hee Park), Member, 2011.
- Search Committee for Vice-Chancellor for Research, Member, 2009.
- Search Committee for Dean of Life Sciences, Member, 2008.
- Search Committee for Executive Vice-Chancellor, Member, 2008.
- Chair, MARC Director and Tenure Professor Search Committee for the Division of Life Sciences, 2006.
- Chair, Academic Administrator Search Committee for the Department of Molecular, Cell & Developmental Biology, 2006.
- Search Committee for the Dean of the College of Letters and Sciences, Member, 2002-2004.
- Search Committee for Chairman of Department of Microbiology and Molecular Genetics, Member, 2001-2002.
- Chair, Faculty Search Committee for the Department of Molecular, Cell and Developmental & Biology, 2005, 2006.
- Faculty Search Committee for the Department of Molecular, Cell and Developmental & Biology, Member, 1998, 1999, 2000, 2002, 2004, 2007, 2008, 2009, 2012.
- MD/PhD Graduate Program Recruitment Committee (UCLA MSTP Program), Member, 2001-2011.
- ACCESS Recruitment Committee, Member, 1999-2004.
- Graduate Recruitment Committee for the Department of Molecular Cell and Developmental Biology, Member, 1998-2004.

Graduate Committees

- Biosciences Graduate Committee to restructure the umbrella graduate program, Co-chair, 2011-2012 (Co-chair, Kelsey Martin).
- Tumor Cell Biology and Signal Transduction Inter-Departmental Program, Chair, 2003-2004.
- Graduate Examination Committee and Thesis Defense for the following students (Harvard): Francesca Vazquez
- Graduate Examination Committee and Thesis Defense for the following students (UCLA): Shelley Thai, Ryan Bradley Green, Sarah Yohannan, Brian Kawasaki, James Tomlinson, Ting Chang, Jiong Chen, Nathan Lee, Thomas Murphy, Darren Carpizo, Huei-Yu Wang, Allison Barnes, Jesus Araujo, Byeong Seob Yoon, Seung-Hye Jung, Eda Yildirim, Jackie Alva, Melissa Jane Comiso, Kristie Nybo, Joanne Marie Bliss, Rebecca Hummasti, Sarah Villa Dolan, Chad Lindsey Barber, Gary Potikyan, Saunders Tzu-Hsien Ching, Esra Casgavi, Francisco J. Maldonado-Arocho, Meredith Oltmann, Maskit Maymon, Samantha Olsen, Joseph Lasky, James Tomlinson, Ngam Fung David Chan, Tom Chen, Jennifer Hofmann, Michael Weinstein, Beth Rose, Sean Matthew Anderson, Ben Van Handel, Bettina Hajagos, Shivani Singh, Chris Crowley, Kirsten Turlo, Laurence Meloty-Kapella, Akanksha Chhabra, David Chan, Lauren Goddard, Jeanette Grant, Huanhuan He, Courtney Domigan, Onika Noel, Lydia Kyung-Min Lee, Ting Liu, Ann Cavanaugh, Diana Moughon, Safiyyah Ziyad, Dan Duan, Diana Rigueur, Jessica Sea, Yasmin Ghochani, Lauren Goddard, Shuoran, Li, Austin McDonald, Chaitra Madhav Marathe, Tzu-Hsuan Huang, Sepideh Afshar, Andrew Brumm, Abigail Krall, Jeff McCormick, Pop

Wongpalee, Ha Neul (Skott) Lee, Navjot Kaur Gill, Shuin Park, Marcus Alvarez, Jaspreet Sandhu, Thanh Pham, Geoffrey Pronovost, Hannah Sunshine, Gloria Hernandez.

- Graduate Examination Committee and Thesis Defense for the following students (Northwestern): Jocelynda Salvador, Emily Pinheiro, Tanvi Potluri, Vanessa Hayashi, Esther Liu, Danielle Pi, AnnMarie Domiguez, Katiannah Moise, Erika Arias, Shweta Dipali, Hyebin Roh, Emily Zaniker, Aryna Famili-Youth, Madeline Melzer, Nina Brown, Chandel Angad Singh, Cassandra M. LeDuc McDaniel, Carolyn E. Gonzalez, Thatiana Ortiz.
- Advisory Committee for Reorganization of the ACCESS Curriculum, Member, 2003.
- Graduate Advisory Committee for the Department of Molecular, Cell and Developmental Biology, Member, 1998-2016.
- Interdepartmental Degree Program in Molecular Biology, Member, 2000-2001.
- Preliminary Qualifying Exam for the Graduate student: Nancy Kaufman, Harvard Medical School, BBS program, March 1997.

International Graduate Committees

- Member of the Examiners Committee, Grace de Malona Eriksen, Technical University of Denmark, Denmark, June 2024.
- Member of Thesis Committee, Jeanine Roodhart, Utrecht Medical Institute, The Netherlands, April 2012.
- Member of Thesis Committee, Florian Milde, Zurich University, Switzerland, March, 2012.
- Opponent for Thesis Defense of Linda, Karolinska Institute, Stockholm, Sweden, February 2006.

Undergraduate Committees-UCLA

- Dean's prize selection Committee for undergraduate awards – 2002, 2003, 2008, 2009, 2010, 2011, 2013, 2014, 2015, 2016, 2017, 2018, 2019.
- CARE Faculty Committee, Member, 2004-2019.
- PREP Selection and Faculty Committee, Member, 2004-2019.
- Beckman Fellowship Selection Committee, Chair, 2011-2019.
- Annual Undergraduate Research Poster Day, Judge, 2013-2019.
- Undergraduate Research Scholar Program Review Committee, Member, 2017-2019.
- Initiative for Maximizing Student Development (IMSD) Faculty Advisory Board, 2014-2019.

Molecular Biology Institute Committees (UCLA)

- Graduate and Research Exchange program between Argentina, and MBI, UCLA, 2015-2016.
- Graduate Student Exchange Program between MBI and Kitasato University, Japan, 2014-2015.
- Molecular Biology Institute Council, Member, 2002-2004.
- Space Committee, Member, 2002-2003.

Academic Senate-UCLA

- Collegium of University Teaching Fellows, 2017-2019.
- Chancellor's Office Course Buyout Working Group, 2016.
- Consultation Committee to the Office for Intellectual Property, Member, 2006.
- Independent Substantive Review Committee (ISRC), Member, 2002-2005.
- Council on Research (COR), Chair, 2003-2004.
- Council on Research (COR), Vice-Chair, 2002-2003.
- Council on Research (COR), Member, 2001-2002.

Training Grants

- Director and Founder: Vascular Biology Training Grant, NIH/NHLBI, 2002-2012 (5 pre-doc + 3 post-doc positions).
- Director and Founder: Vascular Biology Training Grant, NIH/NHLBI, 2012-2019 (7-pre-doc + 3 post-doc positions).
- Member of the Faculty for the following training programs (at UCLA): Tumor Biology (PI – G. Cooks), Cell and Molecular Biology (PI – J. Torres), Clinical Pharmacology (PI – R. Okita), Pulmonary Biology (PI – R. Kalantari), Cardiology (PI – K. Watson), Genetics (PI – D. Geschwind), SPORE Prostate Cancer (PI – R. Reiter), Developmental Hematology (PI – D. Kohn), Beckman Scholars Program, Vascular Biology (PI – R. Ardehali).
- Member of the Faculty for the following training programs (at Northwestern): Cellular and Molecular Basis of Disease (PI – R. Carthew), Molecular and Translational Cardiovascular Training Program (PI – H. Ardehali), Tumor Cell Biology - Carcinogenesis (PI – K. Green), Immunology & Molecular Pathogenesis Training Program (PI – N.

Cianciotto), Kidney Disease (PI – T. Isakova), Kidney Urology Hematology network (KUH FORWARD) (PI – T. Isakova), Translational Science and Cardiovascular Research (PI – N. Alkayed), Epigenetics and Metabolism (PI – Shilatifard) NUKIDS (PI – S. Quaggin), Medical Scientists Training Program (PI – A. Hauser),

Research

- Chair, PAR-24-206: Rare Diseases Clinical Research Consortia (RDCRC) for the Rare Diseases Clinical Research Network (RDCRN) (U54 Clinical Trial Optional), 2024-2025
- Selection Committee for the Georg J. Popjack Fellowship, UCLA, 2019.
- Research Infrastructure Task Force Committee, UCLA, 2017-2019.
- Co-Chair, Planning Committee for UCLA Cardiovascular Inaugural Symposium and Gala.
- Chair, UCLA Cardiovascular Theme Educational Committee, 2016.
- Selection Committee for the John H. Walsh Young Investigator Prize, UCLA, 2015-2019.
- Cardiovascular Theme Strategic Planning Committee, UCLA, 2015, 2016.
- Office of Intellectual Property and Industry Sponsored Research Board of Directors Nominations Review and Advisory Committee, Member, UCLA, 2013-2014.
- Research Theme Task Force, Member, David Geffen School of Medicine, UCLA, 2013-2014.

C-OTHER ACTIVITIES

PRESIDENT:

NAVBO (North American Vascular Biology Organization), 2006-2007 (A society that represents vascular biologists in the US and Canada, with 852 members). Also served in the NAVBO council as President-elect in 2005-2006 and former President in 2007-2008, and member of the Educational Committee, 2016-2018

PUBLICATIONS COMMITTEE:

American Association for Cancer Research, Member, 2004-2007. This committee provided oversight and policy on all four journals of AACR

ASSOCIATE EDITOR:

Atherosclerosis, Thrombosis and Vascular Biology (Senior Guest Editor) – 2022-2027

Journal of Clinical Investigation – 2022-2027

Vascular Cell – 2020-present

Atherosclerosis, Thrombosis and Vascular Biology – 2012-2013

Vascular Pharmacology – 2010-2016

American Journal of Physiology – Heart and Circulatory Physiology – 2004-2010

EDITORIAL BOARDS:

Current:

Journal of Clinical Investigation – 2022-present

Developmental Cell – 2021-present

Cell Stem Cell – 2020-present

Vascular Biology – 2018-present

Experimental Medicine – 2017-present

Cancer Research – 2013-present

Cardiovascular Pathology – 2010-present

Atherosclerosis, Thrombosis and Vascular Biology – 2008-present

Cell Biology – 2008-present

Cancer Biology and Therapy – 2001-present

Angiogenesis – 1998-present

Past:

Vascular Pharmacology – 2009-2010

Matrix Biology – 2006-2012

Circulation Research – 2003-2006

Laboratory Investigation – 2002-2007

Journal of Histochemistry and Cytochemistry – 1999-2006

Endothelium – 1999-2006

PROFESSIONAL SOCIETIES, MEMBER:

Active Member:

American Society for Matrix Biology, 2000-present
American Heart Association, 1997-present
Society for Developmental Biology, 1994-present
NAVBO (North American Vascular Biology Organization), 1994-present
American Association for Cancer Research, 1994-present
American Society for Cell Biology, 1993-present
American Association for the Advancement of Science, 1989-present

Past Member:

International Society for Matrix Biology, 1993-2000
United States and Canadian Academy of Pathology, 1994-2000
American Society for Microbiology, 1994-2010
Endocrine Society, 1996-2000
American Society for Investigative Pathology, 1996-2010
Microcirculatory Society, 1998-2010
Histochemical Society, 1998-2010
American Association of Anatomists, 1998-2014

PARTICIPATION IN COMMITTEES:

Study Sections:

- NIH, Director's New Innovator Award Program (DP2), 2023, 2024
- AHA TPA Basic Sciences Peer Review, 2022
- AHA Long Covid Grant Competition, 2022
- AACR Award for Lifetime Achievement in Cancer Research Selection Committee, 2021, Member
- Breast Cancer Research Foundation – AACR Translational Research Career Development Awards to promote Diversity & Inclusion Review Committee, 2021, Reviewer
- AACR Translational Research Career Awards to promote Diversity and Inclusion, 2020-2021, Reviewer
- AACR Breast Cancer Research Fellows Review Committee, 2020-2021, Reviewer
- NIH/NCI – Board of Scientific Counselors for Basic Sciences, July 2016-present, Member
- NIH/NHLBI – Outstanding Investigator Award (R35) – Washington, D.C., July 2016, Member
- HHMI – Review of Summer Medical Fellows Program, 2014, Member
- Italian Association for Cancer Research (AIRC), 2010-present, Reviewer
- NIH – Cardiovascular Development and Differentiation - Wash. D.C., 2010-2014, Chartered Member
- Agence Nationale de la Recherche, INSERM, 2010-2012, Member
- AACR Elliot and Folkman Awards Review Committee, 2008, Member
- HHMI – Review of Medical-Research applicants, 2007-2009, Member
- NIH – ZRG1-CDD Study Section (virtual meeting) – June 2025
- NIH – Cardiovascular Development and Differentiation – Washington, D.C., 2004-2005, Chair
- NIH – Experimental Cardiovascular Sciences - Washington, D.C., 2001-2003, Chair
- NIH – NHLBI – RFA: "Coordination of vascularization and lung development", Bethesda, MD, June 2003
- NIH – Oncological Sciences Study Section Boundary Team, Washington, D.C., 2001, Member
- NIH – Experimental Cardiovascular Sciences - Bethesda, MD, October 2000 – Ad Hoc, Member
- NIH – Experimental Cardiovascular Sciences - Washington, D.C., March 2000 – Ad Hoc, Member
- NIH – Experimental Cardiovascular Sciences - Bethesda, MD, June 1999 – Ad Hoc, Member
- American Heart Association – Dallas, October 1996; October 1997, Member
- NSF – Ad Hoc reviewer, August 1996; October 1997, Member
- NIH – Special Study Section Z, ZRG7; April, 1996; November 1996; March 1997, Member
- Department of Defense – Army, (Pathobiology 4) Bethesda, MD, November 1995; September 1996; September 1997, Member
- Peer Review Section – American Heart Association, Washington Affiliate; March 1994, Member

Societies:

- AACR Distinguished Lectureship in Breast Cancer Research Committee 2022-2024
- Committee on Scientific Sessions Programming (CSSP), Basic Cardiovascular Sciences Scientific (BCVS) Sessions AHA 2021-2022
- Italian Association for Cancer Research (AIRC), Chair, 2020-present
- AACR Award for Lifetime Achievement in Cancer Research Committee, 2020-2022
- AACR Committee Chair for Selection–Minorities in Cancer Research Jane Cooke Wright Lectureship, 2014
- AACR Committee for selection of Kirk A. Landon-AACR Prize for Basic Cancer Research, 2008-2009
- Program Committee for Experimental Biology - ASIP Meeting, 2006
- Program Committee for the American Society on Investigative Pathology Meeting - 2004-2005
- Conference Planning Committee of the Arteriosclerosis, Thrombosis and Vascular Biology Council - AHA, 2003-2006
- American Heart Association (AHA) Council, 2003-present
- North American Vascular Biology Organization (NAVBO) Council, 2001-2004
- NAVBO Membership Committee, Chair, 2001-2003

Advisory Boards:

- Appointed Member for the NHLBI Advisory Council, January 2017-2021
- Elected Member of the Scientific Advisory Board for the Gordon Research Conferences, 2007-2013
- Elected Member of the Scientific and Medical Advisory Board for the Hereditary Hemorrhagic Telangiectasia Foundation, 2006-2014

Other Committees:

- Institute for Basic Science Center for Vascular Research Program Review Member, 2022-23
- Max Delbrück Center (MDC) for Molecular Medicine Program Review Member, 2022-23
- ATVB Vascular Discovery Program Committee Member, 2020-present
- Elected Member of the Gordon Research Conference Council, 2006-2007

PARTICIPATION IN TRAINING AND OTHER EVENTS FOR UNDERREPRESENTED GROUPS

- Faculty Institutional Recruitment for Sustainable Transformation (FIRST) – NIH, Monthly Meetings 2022-2024
- Culturally Aware Mentor Workshop sponsored by Northwestern University, April 5, 2022, Virtual
- Association for American Medical Colleges MOSAIC Mentor, 2021-2023
- AACR Career Development Award to Promote Diversity & Inclusion – 2021 Breast Cancer Research Foundation
- Graduate Women Across Northwestern (GWAN), invited speaker, April 7, 2021
- Carcinogenesis T32 Research in Progress Meeting on Diversity and Unconscious Bias, Northwestern University, February 24, 2021
- SACNAS, UCLA Chapter, Student Networking Lunch, April 29, 2017
- Summer Undergraduate Research in Biology Seminar, Pepperdine University, Malibu, June 22, 2016
- Keynote Address for MARC End of Year Banquet, UCLA, Los Angeles, CA, May 28, 2015
- CAMP (California Alliance for Minority Participation) Annual Meeting, (Keynote address) UC Irvine, CA, February 2014
- Keynote Address for SACNAS (Science, Technology & Diversity for a Sustainable Future) Annual Meeting Anaheim, CA, October 2010

ORGANIZATION OF MEETINGS / SYMPOSIUMS**Scientific Meetings:**

- Northwestern Quantitative Biology Symposium, Illinois 2023 (Co-Chair)
- 13th International Kloster Seeon Meeting on Angiogenesis, Munich, Germany 2022 (Chair).
- 12th International Kloster Seeon Meeting on Angiogenesis, Munich, Germany, September 24-27, 2021 (Vice-Chair).
- Institute of Pure and Applied Mathematics (IPAM) at UCLA, Special meeting on Angiogenesis. May 6-12, 2006. Organizers: Mark Green and Luisa Iruela-Arispe.

- Anti-Angiogenesis and Drug Delivery to Tumors: Bench to Bedside and Back. AACR Special Conference, Boston, November 9-13, 2005. Organizers: Rakesh Jain, Lee Ellis and Luisa Iruela-Arispe.

Mini-Symposiums Chair or Co-Chair:

- International Cell Culture under Flow Meeting, Northwestern University, July 24-26, 2024
- Angiogenesis Section of Tumor Biology Mini-Symposium at the 2021 AACR Annual Meeting, Virtual April 10-15, and May 17-21, 2021.
- Inaugural Symposia on Cardiovascular Biology, Co-Organizer-Reza Ardehali, UCLA, Los Angeles, CA, Sept 2016.
- Anti-Angiogenesis and Cancer Mini-Symposium at the 2011 AACR Annual Meeting, Orlando, Florida, April 2011.
- Tumor Biology Mini-Symposium at the 2005 AACR Annual Meeting, Los Angeles, April 2005.
- Focus Group on Developmental Vascular Biology, NAVBO, in Experimental Biology Meeting, SD, April 2003.
- Blood Vessel Club, NAVBO, in Experimental Biology Meeting, New Orleans, April 2002.
- Cell Biology of Angiogenesis-ASCB meeting, Washington, D.C., December 2001.
- Angiogenesis- Experimental Biology/ NAVBO, Washington D.C., April 1999.
- Angiogenesis in Health and Disease-Cardiovascular Injury, Repair and Adaptation International Society for Heart Research, Vancouver, B.C., Canada, July 1997.

Gordon Conferences:

- Chair: Vascular Biology, Ventura, CA, February, 2005 (Brad Berk – Vice-Chair).
- Chair: Angiogenesis and Microcirculation, Rhode Island, August, 2003 (Elisabetta Dejana – Vice-Chair).
- Vice-Chair: Vascular Biology, Ventura, CA, January 2003 (Garry Owens – Chair).
- Vice-Chair: Angiogenesis and Microcirculation, Rhode Island, August 2001- (David Cheresh – Chair).

New York Academy of Sciences Meeting:

Organizer of the New York Academy of Sciences Meeting: Targeting VEGF-mediated Tumor Angiogenesis in Cancer Therapy, New York – June 19-20, 2014.

Workshops:

- Vasculata, UCLA, August 16-19, 2006.
- Co-Chair: Developmental Biology Workshop, Asilomar, CA, February 1-4, 2004 – (Brant Weinstein – Co-Chair).

Keystone Symposia:

- Chair and Organizer: Angiogenesis and Vascular Disease, May 8 – 12, 2017 (Tim Hla and Courtney Griffin – Co-chairs).
- Co-Chair: Angiogenesis and Lymphangiogenesis in Cancer, Colorado, January 2009. (Lee Ellis – Chair).
- Co-Chair: Molecular Mechanisms of Angiogenesis in Development and Disease, Vancouver, British Columbia, Canada, January, 2008– (Mark Majewsky and Peter Carmeliet – Co-chairs).

International Vascular Biology Meetings:

- Member of the Program Organizing Committee: 22nd International Vascular Biology Meeting, San Francisco, CA, October 13-17, 2022.
- Member of the Program Organizing Committee: 18th International Vascular Biology Meeting, Boston MA, 2016.
- Organizer and site coordinator of the 16th International Vascular Biology Meeting, June 20-24th, 2010. (Co-organizers: Mark Ginsberg, Allan Fogelman, and Klaus Ley).

NIH Workshops:

- Vascular Cognitive Impairment Workshop – Gaps and Opportunities for Characterizing Cognitive and Dementia-like Phenotypes, September 20-21, 2021.

INVITED SPEAKER – MEETINGS:

2026

Cell Press Symposium - Immune Regulation of Organismal Homeostasis: Keeping the Middle Path, Shanghai, China; May 11-13, 2026.

International Vascular Biology Meeting, Adelaide, Australia; September 6-10, 2026

GRC Endothelial Cell Phenotypes in Health and Disease, Barcelona, Spain; July 5-10, 2026.

2025

International Conference on Vascular Anomalies, Berlin, Germany; February 10-16, 2025.

RIKEN Women in Science (Career Series) Meeting, Kobe, Japan; April 15-17, 2025.

NAVBO Lymphatic Forum, Chicago, IL; June 14, 2025.

GRC Angiogenesis and Social Interactions with Neighboring Cells and Tissues in Health and Disease, Newport, RI;

July 27-Aug1, 2025.

The Notch Meeting XIII, Athens, Greece; October 5-10, 2025.

American Society of Hematology 67th Annual Meeting, Orlando, FL; December 6-8, 2025

2024

American Society for Cell Biology– EMBO Meeting on Cell Biology, San Diego, CA; December 14-18, 2024

American Heart Association Scientific Sessions, Chicago, IL; November 16-18, 2024.

Korean Vascular Biology Meeting, Seoul, Korea; October 30-November 4, 2024.

Kloster Seeon Angiogenesis Conference, Munich, Germany; September 21-24, 2024.

Gordon Research Conference on Notch Signaling in Health and Disease, Bates College, ME; July 14-19, 2024.

Gordon Research Conference on Endothelial Cell Phenotypes in Health and Disease, Castelldefells, Spain; June 30-July 5, 2024.

AHA Vascular Biology Discovery, Keynote, Chicago, IL; May 15-18, 2024.

2023

European Vascular Biology Organization – Autumn Seminar, Virtual, October 31, 2023.

NAVBO Vascular Biology Meeting, Newport, RI; October 15-19, 2023.

The Notch Meeting XII, Athens, Greece; October 1-5, 2023.

German Physiological Society, Munich, Germany; September 21-23, 2023.

Gordon Research Conference on Angiogenesis, Newport, RI; July 30-Aug 4, 2023.

ISTH 2023 Congress, Montreal, Canada; June 24-28, 2023.

Gordon Research Conference on Vascular Cell Biology, Ventura, CA; June 15-20, 2023.

4th Growth Factors in Regeneration and Regenerative Medicine, Puerto Vallarta, MEX; February 9-12, 2023.

2022

AACR Special Conference on Cancer Metastasis, Portland, OR; November 14-17, 2022.

Gordon Research Conference on Plasminogen Activation and Extracellular Proteolysis, Ventura, CA; October 30-November 4, 2022.

International Vascular Biology Meeting 2022 (IVBM), San Francisco, CA; October 13-17, 2022.

Kloster Seeon Angiogenesis Meeting, Kloster Seeon, Germany; September 16-20, 2022.

Gordon Research Conference on Endothelial Phenotypes in Health and Disease, Castelldefells, Spain; June 25-July 1, 2022.

Institute for Vascular Signalling: CSRC/SFB 834 Endothelial Signalling and Vascular Repair, Frankfurt, Germany; May 4-5, 2022.

Swiss Society for Vascular Research, Swiss Vascular Talks, Virtual; February 7, 2022.

NAVBO Education, Virtual Career Forum, Virtual; January 25, 2022.

2021

NAVBO Vascular Biology Meeting, Virtual; October 25-29, 2021.

EMBO Workshop: Vascular Malformations, Barcelona, Spain; October 5-9, 2021.

12th International Kloster Seeon Meeting on Angiogenesis, Munich, Germany; September 24-27, 2021.

NHLBI Vascular Cognitive Impairment Workshop, Virtual; September 20-21, 2021.

2020

NAVBO Webinar Series – Reflecting on the power of cell-cell interactions with Notch-centric focus, Virtual; December 3, 2020.
International Vascular Biology Meeting, Virtual; September 9-12, 2020.
Society for Developmental Biology 79th Annual Meeting, New Faculty Bootcamp Instructor, Virtual; July 8-15, 2020.
AHA Meeting: Vascular Discovery: From Genes to Medicine. Council on Atherosclerosis, Thrombosis and Vascular Biology and Council on Peripheral Vascular Disease – Keynote Lecture, Virtual; May 5-7, 2020.

2019

NAVBO Workshop on Developmental Vascular Biology and Genetics, Pacific Grove, California; October 17-31, 2019.
Grover Conference ATS Assembly on Pulmonary Circulation, Sedalia, Colorado; September 4-8, 2019.
Gordon Research Conference on Angiogenesis, Newport, Rhode Island; August 4-9, 2019.
Gordon Research Seminar on Angiogenesis, Newport, Rhode Island; August 3-4, 2019.
Gordon Research Conference on Atherosclerosis, Newry, Maine; June 16-21, 2019.
European Atherosclerosis Society (EAS) 87th Congress, Maastricht, The Netherlands; May 26-29, 2019.
The Experimental Biology Symposium, Orlando, Florida; April 6-8, 2019.
Gordon Research Conference on Vascular Cell Biology, Ventura, California; January 20-25, 2019.
Gordon Research Seminar on Vascular Cell Biology, Ventura, California; January 19-20, 2019.

2018

American Society for Cell Biology (ASCB) EMBO Symposia, San Diego, California; December 8-12, 2018.
Biennial Meeting of the American Society for Matrix Biology (ASMB), Las Vegas, Nevada; October 14-17, 2018.
10th International Kloster Seeon Meeting on Angiogenesis: Molecular Mechanisms and Functional Interactions, Kloster Seeon, Germany; September 22-25, 2018.
XIX Congress of the Brazilian Society for Cell Biology, São Paulo, Brazil; July 18-21, 2018.
International Vascular Biology Meeting, Helsinki, Finland; June 3-7, 2018.
13th International Symposium on Vascular Biology and Cardiovascular Disease, Atlanta, Georgia; April 12-13, 2018.
Keystone Symposia on Vascular Biology and Human Diseases: From Molecular Pathways to Novel Therapeutics, Santa Fe, New Mexico; February 25-March 2, 2018.

2017

7th NHLBI Cardiovascular Regenerative Medicine Symposium, Bethesda, Maryland; September 27-28, 2017.
Angiogenesis Gordon Conference, Salve Regina University, Rhode Island; August 6-11, 2017.
3rd Biennial AHA Los Angeles Cardiovascular Symposium, Cedars Sinai Medical Center, Los Angeles, California; May 15, 2017.
Keystone Symposium on Angiogenesis and Vascular Disease, Santa Fe, New Mexico; May 8-13, 2017.
9th Annual Charlestown Symposium on Angiogenesis and Vascular Anomalies, Charleston, South Carolina; May 19, 2017.
50th Annual Miami Winter Symposium on Diabetes, Miami, Florida; January 22-25, 2017.
Vascular Cell Biology Gordon Conference, Ventura, California; January 15-20, 2017.

2016

Mayo Clinic Angiogenesis and Nanotechnology Symposium: From Translational Research to Clinical Practice, Amelia Island, Florida; November 18-20, 2016.
19th International Vascular Biology Meeting, Boston, Massachusetts; October 30-November 3, 2016.
Keynote Speaker, 15th Annual Ramzi Cotran Memorial Lecture, Harvard University, Massachusetts; October 6, 2016.
1st Annual UCLA Cardiovascular Theme Symposium, Los Angeles, California; September 2, 2016.
Wihuri Research Institute Symposium on Atherosclerosis, Helsinki, Finland; August 23, 2016.
Gordon Research Conference on Notch Signaling in Development, Regeneration & Disease, Bates College, Lewiston, Maine; July 31-August 5, 2016.

Tumor Progression and Metastasis Scientific Interest Group Symposium at the Experimental Biology Symposium, San Diego, California; April 2, 2016.

12th Annual Stem Cell Symposium at UCLA, UCLA Eli & Edythe Broad Center of Regenerative Medicine & Stem Cell Research, Los Angeles, California; February 5, 2016.

2015

14th Annual Wound Healing: Science & Industry Conference, Peter Sheehan Diabetes Care Fdn., Inc., San Juan, Puerto Rico; December 10-13, 2015.

Cedars-Sinai Regenerative Medicine Symposium, Los Angeles, California; November 13-15, 2015.

The American Heart Association Scientific Sessions, Orlando, Florida; November 7-11, 2015.

The 4th Annual Matsumoto Conference of Lymphology, Asama Spa Miyamaso, Japan; August 21-22, 2015.

Gordon Research Conference on Angiogenesis, Salve Regina, Rhode Island; August 2-7, 2015.

Gordon Research Seminar on Angiogenesis (Keynote Speaker), Salve Regina, Rhode Island; July 31-August 1, 2015.

Gordon Research Conference on Vascular Cell Biology, Four Points Sheraton, Ventura, California; January 18-23, 2015.

2014

NAVBO Vascular Biology, Annual Meeting, Asilomar Conference Center, California; October 19-23, 2014.

Matrix Biology Annual Meeting, Cleveland, Ohio; October 12-15, 2014.

NIH/National Cancer Inst. CCR Grand Rounds, Washington, D.C.; September 5, 2014.

Gordon Research Conference on Notch Signaling in Development, Regeneration and Disease, Bates College, Lewiston, Maine; July 20-24, 2014.

New York Academy of Sciences Conference "Targeting VEGF-mediated Tumor Angiogenesis in Cancer Therapy," New York, New York; June 19-20, 2014.

Gordon Research Conference on Cell Polarity Signaling, Bentley University, Waltham, Massachusetts, June 3-6, 2014.

Arteriosclerosis, Thrombosis and Vascular Biology Annual Meeting, Toronto, Canada; May 1-3, 2014.

American Association of Cancer Research Annual Meeting, San Diego, California; March 2014.

Keystone Symposia, Metabolism and Angiogenesis, Whistler, British Columbia, Canada; March 2014.

CAMP (California Alliance for Minority Participation) Annual Meeting, (Keynote address) UC Irvine, California; February 2014.

16th International Symposium on Anti-Angiogenic Therapy, La Jolla, California; February 2014.

2013

American Society for Cell Biology, Annual Meeting, New Orleans, Louisiana; December 2013.

NAVBO Vascular Biology, Annual Meeting, Cape Cod, Massachusetts; October 2013.

University of Washington, Seattle, Angiogenesis Symposia, Seattle, Washington; August 2013.

Cancer and Microenvironmental Meeting, Lausanne, Switzerland; March 2013.

2012

15th Imperial College London Symposium. Vascular endothelium: Role in disease pathogenesis and as a therapeutic target. London, England; November 2012.

Workshop: Imaging Analysis and Computational Modeling for Cancer and its Therapy, ECCB '12 Meeting, Basel, Switzerland; September 2012.

Third Meeting on Avastin Angiogenesis Biomarker Challenge, Munich, Germany; July 2012.

Cell Press Symposium on Angiogenesis and Metabolism, Belgium; July 2012.

Understanding Cancer, Univ. Medical Center, Utrecht, The Netherlands; April 2012.

Experimental Biology, Annual Meeting, San Diego, California; April 2012.

American Association of Anatomists, Annual Meeting, San Diego, California; April 2012.

American Association for Cancer Research, Annual Meeting, Chicago, Illinois; March 2012.

Gordon Research Conference on Reprogramming Cell Fate, Hotel Galvez, Galveston, Texas; February 2012.

Keystone Symposia, Angiogenesis Meeting, Snowbird, Utah; January 2012.

2011

Mechanisms of Organ Repair and Regeneration Meeting, Washington, D.C.; September 2011.

Biomedical Research Scientific Symposium, New York, New York; September 2011.

David W. Smith Workshop on Malformations and Morphogenesis, Lake Arrowhead, California; September 2011.
Gordon Conference on Angiogenesis, Salve Regina University, Newport Rhode Island; August 2011.
International Society on Thrombosis & Haemostasis, Kyoto, Japan; July 2011.
Gordon Research Conference on Cell Surface Proteolysis, Davidson College, North Carolina; July 2011.
8th International Symposium Biology of Endothelial Cells, Zurich, Switzerland; June 2011.
Second Meeting on Avastin Angiogenesis Biomarker Challenge, San Francisco, California; April 2011.
Extracellular Matrix in Health and Disease Symposium, Harvard University; April 2011.
Experimental Biology, Washington, D.C., April 2011.
AACR Annual Meeting, Orlando, Florida; April 2011.
Vascular Biology Gordon Conference; February 2011.

2010

University of South Carolina Cardiovascular COBRE Conference, Columbia, South Carolina; November 2010.
SACNAS (Science, Technology & Diversity for a Sustainable Future) Annual Meeting Anaheim, California; October 2010, (Keynote address).
Gordon Conference on Endothelial Cell Phenotypes in Health and Disease, Univ New England, Maine, August 9-13, 2010.
Meeting on Avastin Angiogenesis Biomarker Challenge, Vancouver, Canada; July 2010.
Gordon Conference on Transglutaminases, Davidson, North Carolina; July 2010.
ULF CADASIL Scientific Symposium, Chicago, Illinois; July 2010.
International Vascular Biology Meeting, Los Angeles, California; June 2010.
Experimental Biology, San Diego, California; April, 2010.
Keystone Symposia on "Integration of Developmental Signaling Pathways", Victoria, Canada; March 23-28, 2010.

2009

Matrix Metalloproteinase Gordon Conference, Les Diaboliques, Switzerland; September 2009.
Angiogenesis Gordon Conference, Salve Regina, Newport, Rhode Island; August 2009.
Endocrine Society Meeting, Washington, D.C.; June 2009.
EMBO Workshop, Helsinki, Finland; June 2009.
Perinatal and Developmental Medicine Symposium, Mead/Johnson Nutrition Conference, Aspen, Colorado; May 2009.
Experimental Biology, New Orleans, Louisiana; April 2009.
Scleroderma Research Foundation, San Francisco, California; 2009.
Keystone Symposia on "Dissecting the Vasculature: Function, Molecular Mechanisms and Malfunction," Vancouver, British Columbia, Canada; February 2008.
Keystone Symposia on "Angiogenesis and Lymphangiogenesis in Cancer", Minnesota; January 2009.

2008

3rd Mayo Clinic Angiogenesis Symposium, Rochester, Minnesota; October 2008.
International Scientific Symposium of the SPP 1069 "Angiogenesis", Kloster Seeon, Germany; September 2008.
17th Annual Growth Factor and Signal: Extracellular and Membrane Proteases and Cell Sig.; September 2008.
NAVBO Workshop: Biology of Signaling in the Cardiovascular System, Hyannis, Massachusetts; September 2008.
International Symposium on Vascular Differentiation and Remodeling, Frankfurt, Germany; July 2008.
International Vascular Biology Meeting, Sydney, Australia; May 2008.
ESH 8th Euro-Conference on Angiogenesis, Paris, France; May 2008.
Conference on William's Syndrome, Yale, Connecticut; May 2008.
Third International Course on Angiogenesis, Barcelona, Spain; April 2008.
Experimental Biology, San Diego, California; April 2008.
Regulation of Tumor Angiogenesis, Tokyo, Japan; March 2008.
The 10th International Symposium on Anti-Angiogenic Agents. San Diego, California; February 2008.
Third Workshop on Developmental Vascular Biology, Asilomar, California; February 2008.
Keystone Symposia on Molecular Mechanisms of Angiogenesis in Development and Disease, Vancouver, British Columbia, Canada; January 2008.

2007

First Mexican Meeting on Signal Transduction, Veracruz, Mexico; September 2007.
Vasculata, a vascular biology course organized by NAVBO. Raleigh, North Carolina; August 2007.
Gordon Conference on Angiogenesis and Microcirculation, Newport, Rhode Island; August 2007.
FASEB Summer Research Conf. on Thrombospondins and Other Matricellular Proteins, Tucson, Arizona; June 2007.
Gordon Conference on Matrix Metalloproteinases, Piza, Italy; June 2007.
Seventh ESH (European School of Haematology) Euroconference on Angiogenesis, Albufeira, Portugal; May 2007.
Experimental Biology, Washington, D.C., April 2007.
Keystone Symposia on Molecular Targets for Cancer, Whistler, British Columbia, Canada; March 2007.
Vascular Matrix Biology and Bioeng. Workshop, NAVBO, Whistler, British Columbia, Canada; March 2007.

2006

Vasculata, Los Angeles, California; August 2006.
Workshop on Signal Transduction, Institute of Cellular Physiology, UNAM, Mexico; July 2006.
NIH Workshop – Hereditary Hemorrhagic Telangiectasia: Vascular Biology and Pathophysiology, Bethesda, Maryland; June 2006.
Institute of Pure and Applied Mathematics (IPAM) – UCLA Special Meeting on Angiogenesis; May 2006.
Experimental Biology, San Francisco, California; April 2006.
Second Workshop on Developmental Vascular Biology, Asilomar, California; February 2006.

2005

Progesterone Receptor Special Conference, Chicago, Illinois; September 2005.
Angiogenesis Gordon Conference, Newport, Rhode Island; August 2005.
Fifth Interdisciplinary Euroconference on Angiogenesis, Barcelona, Spain; May 2005.
AACR meeting, Los Angeles, California; April 2005.
Experimental Biology, San Diego, California; April 2005.
Gordon Conference on Vascular Cell Biology, Ventura, California; February 2005.
Keystone Symposia, The Role of the Microenvironment in Tumor Induction and Progression, Banff, Alberta, Canada; February 2005.

2004

Second National Meeting of the American Society for Matrix Biology; November 2004.
Mayo Clinic Symposium on Angiogenesis; October 2004.
Symposium on Retinal and Choroidal Angiogenesis, Nashville, Tennessee; October 2004.
Vasculata, Course on Vascular Biology, Seattle, Washington; July 2004.
Fourth Interdisciplinary Euroconference on Angiogenesis, Helsinki, Finland; May 2004.
First Workshop on Developmental Vascular Biology, Asilomar, California; February 2004.
Keystone Symposia, Angiogenesis and Chronic Diseases, Santa Fe, New Mexico; January 2004.

2003

American Society of Nephrology – Renal week 2003, San Diego, California; November 2003.
AACR Angiogenesis Conference, Chicago, Illinois; October 2003.
Gordon Conference on Matrix Metalloproteinases, Montana; August 2003.
Gordon Conference on Angiogenesis and Microcirculation, Salve Regina, Newport, Rhode Island; August 2003.
International Meeting on Angiogenesis and Cancer, Reykjavik, Iceland; June 2003.
Atherosclerosis and Thrombosis Meeting, Washington, D.C.; May 2003.
Experimental Biology, San Diego, California; April 2003.
Gordon Conference on Vascular Biology, Ventura, California; January 2003.

2002

Matrix Biology – First meeting of the ASMB, Texas; November 2002.
Era of Hope, Breast Cancer National Meeting, Orlando, Florida; September 2002.
AARC – Schilling Conference on: Tumors as outlaw organs, Santa Cruz, Florida; 2002.
Cold Spring Harbor Meeting on Oncogenes; August 2002.
Symposium on Tissue Remodeling, Ames, Iowa; July 2002.

International Conference on Angiogenesis. Angiogenesis: Basic mechanisms and therapeutic implications, Monte Verita, Ascona, Switzerland; June 2002.
XIIth International Vascular Biology Meeting, Japan; May 2002.
Experimental Biology / ASIP, New Orleans, Louisiana; April 2002.
American Association for Cancer Research, San Francisco, California; April 2002.

2001

American Society for Cell Biology, Washington, D.C.; December 2001.
Gordon Conference on Angiogenesis & Microcirculation, Newport, Rhode Island; August 2001.
Biomedical Sciences Symposium, Columbia University, Harriman, New York; July 2001.
Mouse Models of Human Cancers Consortium Steering Committee Meeting, National Cancer Institute, San Francisco, California; July 2001.
Keystone Symposia, Angiogenesis and Chronic Diseases, Keystone, Colorado; April 2001.
First California Cancer Research Program Symposium, Sacramento, California; April 2001.

2000

Angiogenesis and Cancer, AACR Special Conference, Traverse City, Michigan; October 2000.
International Scientific Symposium of the SPP 1069 "Angiogenesis", Kloster Seeon, Germany; October 2000.
Gordon Conference on Vascular Cell Biology, Plymouth, New Hampshire; July 2000.
Meeting of the Biology of Thrombospondins and Other Modulatory Extracellular Matrix Proteins, University of Wisconsin, Madison, Wisconsin; June 2000.
NAVBO meeting, Denver Colorado; May 2000.
Keystone Symposia, Experimental and Clinical Regulation of Angiogenesis, Salt Lake City, Utah; March 2000.

1999

Women and Renal Disease Conference, Women in Nephrology and National Institutes of Health, Bethesda, Maryland; September 1999.
Gordon Conference on Angiogenesis and Microcirculation, Newport, Rhode Island; August 1999.
Gordon Conference on Matrix Metalloproteinases, New Hampshire; August 1999.
WFTN, Algarve, Portugal; June 1999.
Extracellular Matrix in Diabetes and Atherosclerosis meeting, Univ. Washington, Seattle, Washington; May 1999.
Symposium on Reproductive Angiogenesis, Melbourne, Australia; May 1999.
Experimental Biology and NAVBO meeting. Speaker and Symposium and co-chair. Washington, D.C.; April 1999.

1998

Anti-Cancer Proteins and Drugs: Structure, Function and Design. New York Academy of Sciences Meeting. New York, New York; November 1998.
Gordon conference on Vascular Biology, New Hampshire; June 1998.
Annual Meeting of European Society for Clinical Investigation. Workshop: "Molecular and Cellular Basis of Angiogenesis: The role of growth factors". Krakow, Poland; April 1998.
Vascular and Myocardial Aspects of Ischemic Heart Disease, Lake Tahoe, Nevada; February 1998.
Angiogenesis and Cancer, AACR Special Conference, Organizers: J. Folkman and M. Klagsbrun, Florida; January 1998.

1997

Era of Hope, Organized by the Department of Defense, Breast Cancer Research Program Meeting, Washington, D.C.; October 1997.
Gordon Conference on Angiogenesis and Microcirculation, Newport, Rhode Island; August 1997.
Cardiovascular Injury, Repair and Adaptation, International Society for Heart Research, Chair - Symposium: Angiogenesis in Health and Disease. Vancouver, B.C., Canada; July 1997.
International Symposium on Thrombosis and Haemostasis, Florence, Italy; June 1997.
Gordon Conference on Wound Repair, New Hampshire; June 1997.

1990 - 1996

Meeting on Thrombospondin and its Functional Relatives, SPARC, Osteopontin, and Tenascin, Seattle; June 1996.
American Society for Investigative Pathology Meeting, New Orleans, Louisiana; June 1996.
Experimental Biology Meeting (FASEB), Atlanta, Georgia; February 1995.

American Society for Cell Biology Meeting, New Orleans, Louisiana; December, 16-20, 1993.
American Society for Cell Biology Meeting, Denver, Colorado; November 15-19, 1992.
Sociedad Mexicana de Ciencias Fisiologicas A.C. Satellite Course: Cellular and Molecular Bases of Neuroendocrine Communication, Xalapa, Mexico, speaker; July 1992.
Cerebral Vascular Biology Conference, Keynote speaker, Duluth, Minnesota; July 11-13, 1992.
22nd Northwest Developmental Biology Meeting, Friday Harbor, Washington; May 1990.

INVITED OUTSIDE LECTURES:

2026

University of North Carolina at Chapel Hill, McAllister Heart Institute Seminar, Chapel Hill, NC; April 14, 2026.
Chinese Academy of Sciences, Interdisciplinary Research Center on Biology and Chemistry Distinguished Seminar, Shanghai, China; May 14, 2026.
Max Planck Institute, Cardio-Pulmonary Institute Retreat, Frankfurt, Germany; May 26-27, 2026.
Virginia Tech Carilion School of Medicine: 5th Annual Vascular and Heart Research Symposium, Roanoke, VA; August 10-11, 2026.

2025

University of California, Los Angeles, Dunn Lecture Award, Los Angeles, CA; March 11-13, 2025.
Versiti, Blood Research Institute, Milwaukee, WI; March 18, 2025.

2024

Yale University School of Medicine, Vascular Biology Training Program, New Haven, CT; December 2, 2024.
University of Virginia School of Medicine, Berne Lecture, Charlottesville, VA; November 6-8, 2024
University of Oklahoma Health Sciences Center, Oklahoma Cell Biology Symposium Center, Oklahoma City, OK; October 17-18, 2024.
University of South Florida, Morsani College of Medicine, Department of Molecular Pharmacology & Physiology, Tampa, FL; October 10-11, 2024.
Uppsala University, Department of Immunology, Genetics and Pathology, Vascular Biology Retreat, Uppsala County, Sweden; September 25-27, 2024.
Augusta University, Immunology Center of Georgia, Augusta, GA; June 18, 2024.
University of California, San Francisco, Biomedical Sciences Seminar, San Francisco, CA; May 21-23, 2024.
University of Illinois Chicago, Department of Pharmacology & Regenerative Medicine, Chicago, IL; Apr 24, 2024.
Vanderbilt University, Department of Pharmacology, Nashville, TN; Apr 1-3, 2024.

2023

Johns Hopkins School of Medicine, Institute of CardioScience, Division of Cardiology, virtual; June 21, 2023.
OHSU Knight Cardiovascular Institute Grand Rounds and Seminar, Portland, OR; April 5-6, 2023.
Purdue University Institute for Cancer Research, West Lafayette, IN; March 1-2, 2023.
UC San Diego Pharmacology Department Seminar Series on Cell Signaling in Health and Disease, San Diego, CA; February 21-22, 2023.

2022

9th Mayo Clinic Symposium on Immuno-Oncology and Tumor Microenvironment, Jacksonville, FL; December 9-11, 2022.
COMPASS/ASCB Webinar, Virtual; October 11, 2022.
Biomedicine Institute of Sevilla (IBIS), Virtual, July 26, 2022.
National Centre for Cardiovascular Research (CNIC), Madrid, Spain; July 1, 2022.
University of California, Los Angeles, Vascular Biology Seminar Series, Virtual; June 21, 2022.
KU Medical Center – 8th Annual Midwest Tumor Microenvironment Meeting, Kansas City, KS; May 23-25, 2022.

2021

University of Illinois Chicago (UIC), Illinois, Chicago; November 19, 2021.
University of Minnesota, Stem Cell Institute, Minneapolis, Minnesota; September 8, 2021.
National Heart and Lung Institute, Imperial College in London, Vascular Science Seminar Series, Virtual; June 21, 2021.

Phi Sigma's Annual Research Symposium, University of Puget Sound in Tacoma, Washington (Keynote Speaker), Virtual; April 9, 2021.
University of British Columbia UBC, Centre for Blood Research Seminar, Virtual; March 31, 2021.

2020

Chapel Hill McAllister Heart Institute Seminar Series, University of North Carolina, Chapel Hill, North Carolina; December 9, 2020.

2019

Graduate Student Sponsored Symposium, University of Oregon, Eugene, Oregon; June 19- 21, 2019.
Annual Vasculata Conference, Medical College of Wisconsin, Milwaukee, Wisconsin; July 15-18, 2019.

2018

Department of Cell Biology, Northwestern University in Chicago, Illinois; August 20-22, 2018.
Cardiovascular Research Conference, Department of Medicine, UC San Diego, California; May 3-4, 2018.
Cell-Cell Communications in Cancer Seminar at Siteman Cancer Center of Washington University in St Louis, Missouri; April 3-4, 2018.

2017

Lecture at the Department of Molecular, Cell, and Developmental Biology at UCSB, California; April 20, 2017.
Center for Cardiovascular Research Seminar at the Washington University in St Louis, Missouri; March 30, 2017.
Pharmacology Seminar at UC San Diego, La Jolla, California; March 21, 2017.

2016

Molecular and Developmental Biology Seminar, Cincinnati Children's Hospital, Ohio; September 21, 2016.
Seminar at Univ. of Pennsylvania; September 14-15, 2016.
Summer Undergraduate Research in Biology Seminar, Pepperdine University, Malibu, California; June 22, 2016.
Alec Clowes Memorial Symposium, Univ. of Washington, Seattle, Washington; June 2, 2016.
Seminar, Jefferson University, Center for Translational Medicine; May 25, 2016.
Molecular Biology Seminar at UT Southwestern; March 16, 2016.

2015

Division of Pulmonary & Critical Care (PCCM Grand Rounds), Stanford University; December 18, 2015.
Physiology, Biophysics and Systems Biology Seminar, Weill Cornell Medical College; September 9, 2015.
Department of Pharmacology, Kitasato University, Japan; August 20, 2015.
Department of Regenerative Medicine & Cell Biology, Medical Univ. of So. Carolina; April 14, 2015.
Cell Biology and Physiology Seminar, Washington Univ. at St. Louis, St. Louis, Missouri; February 6, 2015.

2014

Seminar at Saban Research Institute, Children Hospital Los Angeles, California; September 17, 2014.
Oregon Health & Science University Seminar, Portland, Oregon; July 17, 2014.
HHMI Professor Competition, Chevy Chase, Maryland; May 27-28, 2014.
Stanford University, ReMS Seminar Series, Palo Alto, California; May 22, 2014.
University of California, Irvine, Department of Developmental & Cell Biology Seminar; May 15, 2014.
Northwestern University, Feinberg Cardiovascular Research Seminar, Chicago, Illinois; March 2014.
Joslin Diabetes Center, Boston, Massachusetts; January 2014.

2013

Hospital Duran in Reynals, Barcelona, Spain; June 2013.
University of Uppsala, Sweden; June 2013.
Department of Computational Biology, ETZ, Zurich, Switzerland; March 2013.
Comprehensive Cancer Center, Vienna, Austria; January 2013.

2012

University College of London, England; November 2012.
University of Helsinki, Biomedicum I, Helsinki, Finland; September 2012.
University of Rochester, Division of Cardiology, Rochester, New York; May 2012.

UCSD Division of Cardiology, La Jolla, California; April 2012.
Emory University, Division of Cardiology, Atlanta, Georgia; March 2012.
University of Pennsylvania, Cardiovascular Institute, Philadelphia, Pennsylvania; March 2012.
Albert Einstein College of Medicine, New York, New York; February 2012.
UCSF Helen Diller Family Comprehensive Cancer Center, San Francisco, California; January 2012.
California Institute of Technology, Division of Biology, Pasadena, California; January 2012.

2011

University of Toronto, Ontario, Canada; December 2011.
Avastin Scientific Board, Amsterdam, The Netherlands; July 2011.
Avastin Biomarker Pan-Tumor National Advisory Board, Genentech, San Francisco, California; April 2011.
University of Michigan, Tumor Oral Biology; April 2011.
Yale University Department of Cardiology, New Haven, Connecticut; March 2011.
Weill Cornell, Department of Developmental Biology, New York, New York; March 2011.
Duke University, Department of Pharmacology, Durham, North Carolina; February 2011.
University of Southern California, Los Angeles, California; January 2011.

2010

Duke University, Department of Pharmacology, Durham, North Carolina; December 2010.
Fundacion Centro Nacional de Investigaciones Cardiovasculares (CNIC), Madrid, Spain; September 2010.
Ecole Polytechnique Federale de Lausanne, Switzerland; August 2010.
University of Pennsylvania, Abramson Family Cancer Research Institute, Philadelphia, Pennsylvania; April 2010.

2009

University of Illinois, Dept. of Pharmacology; December 2009.
University of Toronto, Ontario, Canada; September 2009
University of North Carolina, Chapel Hill, McAllister Hear Institute; September 2009.
National Institutes of Health (NHLBI), Bethesda, Maryland; July 2009.
University of California at San Francisco, Cancer Center; May 2009.
University of Washington, Seattle, Department of Pathology; May 2009.
Duke University, Department of Pharmacology, Durham, North Carolina; April 2009.
Genentech Seminar in Angiogenesis, San Francisco, California; March 2009.

2008

Hospital de la Princesa, Madrid, Spain; July 2008.
EHT Zurich, Department of Pharmacology, Zurich, Switzerland; July 2008.
University of Connecticut; May 2008.
University of Iowa, Iowa City, Iowa; April 2008.
Saint Jude Children Research Hospital, Memphis, Tennessee; March 2008.
University of Texas, Dallas, Texas; March 2008.

2007

MD Anderson Cancer Center; June 2007.
The Cleveland Clinic Foundation; April 2007.

2006

University of California at Irvine; November 2006.
University of Oklahoma; May 2006.
Harvard Medical School, Boston, Massachusetts; May 2006.
University of Michigan, Center for Organogenesis; April 2006.
University of Arizona, School of Medicine; March 2006.
University of Uppsala, Sweden; February 2006.
Karolinska Institute, Stockholm, Sweden; February 2006.

2005

Regeneron, New York, New York; June 2005.
Cleveland Clinic, Cleveland, Ohio; March 2005.

Stanford University, Palo Alto, California; February 2005.
Medical College of Georgia, Augusta, Georgia; January 2005.

2004-1993

QLT, Vancouver, Canada; April 2004.
University of California, San Francisco – Seminar for the Women Leaders in Science; March 2004.
Children's Hospital, Los Angeles, California; May 2003.
University of Kansas; March 2003.
Chiron, San Francisco, California; August 2002.
Berlex, Richmond, California; July 2002.
University of North Carolina, Medical School Chapel Hill, North Carolina; May 2002.
University of Pennsylvania Cancer Center, Philadelphia, Pennsylvania; May 2002.
University of Alabama at Birmingham; December 2001.
University of Virginia, Charlottesville, Virginia; October 2001.
University of California, San Francisco, California; September 2001.
Wayne State University, Dept. of Pathology, Detroit, Michigan; July 2001.
Scripps Research Institute, La Jolla, California; November 2000.
Center for Transgene Technology and Gene Therapy, Leuven, Belgium; September 2000.
Immunex, Seattle, Washington; July 2000.
Axys Pharmaceuticals, La Jolla, California; March 1999.
Neurocrine, La Jolla, California; February 1999.
Scripps Clinic and Research Foundation, La Jolla, California; January 1999.
Genentech, San Francisco, California; June 1998.
University of San Antonio, Texas; February 1998.
Children's Hospital; Boston, Massachusetts; November 1997.
University of California LA, Los Angeles, California; April 1997.
Massachusetts General Hospital, Shrines Institute, Boston, Massachusetts; March 1997.
Saint Francis Hospital, Hartford, Connecticut; February 1996.
Human Genome Systems, Bethesda, Maryland; January 1996.
Children's Hospital, Boston, Massachusetts; December 1995.
Tufts University, St. Elizabeth's Hospital, Boston, Massachusetts; June 1995.
Brigham and Women's Hospital, Dept. of Pathology, Boston, Massachusetts; April 1995.
Yale University, Dept. of Pathology, Hartford, Connecticut; April 1995.
Harvard Medical School, Dept. of Pathology, Grand Rounds, Boston, Massachusetts; November 1994.
Harvard Medical School, Beth Israel Hospital, Boston, Massachusetts; July 1993.
Northwestern University, Chicago, Illinois; April 1993.
Harvard Medical School, Children's Hospital, Boston, Massachusetts; April 1993.
Western Connective Tissue Society Meeting, LaConner, Washington; April 1993.
Tufts University, St. Elizabeth's Hospital; Boston, Massachusetts; April 1993.
University of Minnesota, Dept. of Biochemistry and Molecular Biology, Duluth, Minnesota; March 1993.
University of Chicago, Dept. of Pathology; Chicago, Illinois; February 1993.
Saint Francis Hospital, Hartford; Connecticut; January 1993.
Scripps Clinic and Research Foundation, La Jolla, California; January 1993.

D-RESEARCH

MAJOR RESEARCH INTERESTS:

- Regulation of Angiogenesis during Development and in Disease
- Identification of Critical Signaling Nodes in Vascular Malformations and Vascular Tumors
- Vascular Regeneration and Aging

RESEARCH FUNDING INFORMATION:

Current:

From NIH:

- 2024-2029 NCI R01CA279689 PI: L. Iruela-Arispe
Rewiring Cancer-Induced Abnormalities in the Vascular Barrier
- 2024-2029 NHLBI HL-175575 PI: L. Iruela-Arispe
Endothelial Rasopathies and Vascular Malformations
- 2024-2027 NINDS RF1NS139949 PI: L. Iruela-Arispe
Vasculo-Neuronal Pathophysiological Interface in Alzheimer's and Atherosclerosis

From Other:

- 2022-2026 Leducq Consortia \$250,000 (direct cost/year) PI: L. Iruela-Arispe and Miikka Vakkula
Recalibrating Mechanotransduction in Vascular Malformations
- 2024-2027 AHA 24CSA1256987 \$750,000 (total costs) PI: L. Iruela-Arispe
Decoding the Role of Turbulent Flow in Inflammation and Arterial Disease

Past:

- 2021-2026 NIH SP0067379 \$2,163,621 (total including indirect costs) PI: S. Quaggin
Chicago Kidney Urology Hematology network for city-wide research training and career development (Chicago KUH FORWARD) - Networking Core
- 2021-2025 U01 NHLBI – HL151203 \$416,595 (direct cost/year) PI: L. Iruela-Arispe
Underlying Mechanisms in CADASIL
- 2018-2024 P30CA060553 \$30,151,415 (total including indirect costs) PI: L. Platanius
The Robert H. Lurie Comprehensive Cancer Center
- 2017-2025 R35 NHLBI – HL140014 \$600,000 (direct cost/year) PI: L. Iruela-Arispe
Vascular Growth and Regeneration
- 2019 University of California Grant: BSRCRC-CNSI Stem Cell Nano Award (\$200,000 - \$50K Arispe Portion) Co-Investigators: Bennett Novitch (UCLA) and Sam
Vascularization of Brain Organoids for Neural Repair and Disease Modeling
- 2018-2022 Doheny Eye Institute (\$16,000 / year) PI: James Tan (NIH) (relinquished upon relocation)
The role of TGFb Matrix Sequestration and Bioactivity in POAG Pathogenesis
- 2017-2019 University of California Grant: UC-Multicampus Research Programs and Initiatives (\$150,000 / year - \$50K Arispe portion) Co-investigators: Megan Valentine (UCSB), Elliot Botvinick (UCI), Tony De Tomaso (UCSB) UC Consortium for Vascular
Mechanisms and Mechanobiology
- 2015-2021 1R01 NCI – CA197943 \$228,750 (direct cost/year) PI: L. Iruela-Arispe
Underlying Mechanisms in Angiosarcoma
- 2015-2020 PPG NHLBI – 2P01HL030568 \$250,000 (Arispe direct cost/year) PI: Alan Fogelman
Lipid and Lipoprotein Metabolism in Atherosclerosis
- 2016-2019 U01 NHLBI – HL131019 \$340,773 (direct cost/year) PIs: L. Iruela-Arispe & M. Boehm
Mechanisms of Vascular Disease
- 2015-2019 R01 HL130290 \$225,000 / year (direct cost)
Homeostasis in Adult Vessels – PI (relinquished in lieu of R35)
- 2015-2016 John Chomiak Memorial Research Award \$50,000 / year (direct cost)
Identification of Causative Genetic Networks in Angiosarcoma
- 2013-2017 R01 HL114086 \$350,756 / year (direct cost)
Induction of Vascular Morphogenesis – PI
- 2012-2019 2T32 NHLBI – HL069766 \$478,502 (direct cost/year) PI: L. Iruela-Arispe
Vascular Biology Training Grant at UCLA
- 2009-2014 Leducq Consortia \$256,000 / year (direct cost)
Contribution of Notch Signaling in Arteriogenesis
(Other members of the consortia: Peter Carmeliet, Michael Simons, Anne Eichmann, Holger Gerhart, and Frank Giordano)

2007-2013	NIH 1R01 HL085618 \$225,000 / year (direct cost) Notch Signaling in Vascular Development and Homeostasis
2009-2012	RB1-01328 \$312,432 / year (direct cost) Molecular Characterization and Functional Exploration of Hemogenic Endothelium
2007-2012	NIH 1 R01 CA126935 \$195,000 / year (direct cost) VEGF Signaling and Tumor Microenvironment – PI
2003-2008	1R01 CA65624 \$205,000 / year (direct cost) Inhibition of the Angiogenic Response
2003-2008	NIH R01 HL74455-01 \$250,000 / year (direct cost) Progesterone Receptor and Vascular Function
2002-2012	NIH T32 HL69766 \$444,745 / year (direct cost) Vascular Biology Training Grant
2003-2004	Department of Defense – Army \$70,000 / year Concept Award; Endothelial cell progenitors and tumor angiogenesis
2001-2004	American Heart Association – National Center \$75,000 / year Mechanisms of Thrombospondin-Mediated Vascular Suppression – PI
1999-2008	NIH 1 R01 CA77420 \$180,000 / year (direct cost) Suppression of Vascular Growth – PI
1999-2004	NIH 1 R01 CA86256 \$153,957 / year (direct cost) Therapeutic Antiangiogenesis – PI
1999-2001	Margaret E. Early Medical Research Trust Anti-Angiogenesis as a Therapy for Cancer – PI
1999-2001	American Heart Association – California Affiliate Vascular Remodeling – PI
1999-2000	California Cancer Research Program Anti-Angiogenic Activity of METH-1 in Tumors – PI
1999-2000	Jonsson Comprehensive Cancer Center Seed Grant and Cancer – Co-PI
1998-2003	NIH T32 HL Training Program in Angiogenesis and Inflammation (Relinquished participation due to relocation from Harvard to UCLA)
1996-1999	Grant-in-Aid – American Heart Association, National Regulation of Endothelial Cell Function by Thrombospondin – PI
1996-1998	RO3 – NIH – NCI Vascular Targeting in Breast Cancer – PI
1994-1999	Principal Investigator Award, Department of Defense Suppression of Vascular Growth in Breast Tumors – PI
1994-1999	R-29 – First Award, NIH Inhibitors of the Angiogenic Response – PI
1993-1996	Grant-in-Aid – American Heart Association, National Role of TGF- β in Angiogenesis – PI
1993-1996	Grant-in-Aid – American Heart Association, WA Affiliate Role of Thrombospondin in Angiogenesis – PI This award was returned due to relocation to Boston
1993-1995	Basil O'Connor Award, March of Dimes The Underlying Role of Extracellular Matrix Proteins in the Generation of Neural Crest Abnormalities – PI
1991-1993	American Heart Association - Fellowship
1988-1989	CNPq Fellowship, Brazil

PUBLICATIONS (Peer review articles only in reverse chronological order):

1. Luo, P.M., Ahuja, N.H., Chaney, C., Pi, D., Cwiek, A., Markowska, Z., Hiremath, C., Marciano, D.K., Hirschi, K.K., **Iruela-Arispe, M.L.**, Carroll, T.J., Cleaver, O. Zonal endothelial cell heterogeneity underlies murine renal vascular development. *Angiogenesis*. 28(4):57. [PMCID: PMC12532761](https://pubmed.ncbi.nlm.nih.gov/312532761/).

2. Romay, M.C., Ma, F., Mompeon, A., Silvestro, M., Hernandez, G.E., Salvador, J., Wang, A.L., Vandestienne, M., Bardin, N., Blot-Chabaud, M., Leroyer, A.S., Ait-Oufella, H., Ramkhalawon, B., and **Iruela-Arispe, M.L.** 2025. Region-Specific Gene Expression and Sex Inform About Disease Susceptibility in the Aorta. *Nat Cardiovasc Res.* 4(9): 1152-1171. [PMCID: PMC12436160](#).
3. Pi, D., Braun, J., Dutta, S., Patra, D., Bougaran, P., Mompeón, A., Ma, F., Stock, S.R., Choi, S., García-Ortega, L., Pratama, M.Y., Pichardo, D., Ramkhalawon, B., Benedito, R., Bautch, V.L., Ornitz, D.M., Goyal, Y., and **Iruela-Arispe, M.L.** 2025. Resolving the design principles that control post-natal vascular growth and scaling. *Cell Syst.* 16(7): 101324. [PMCID: PMC12332847](#). Deposited in [bioRxiv 2024.12.10.627758](#): Resolving the design principles that control postnatal vascular growth and scaling.
4. Spurgin, S., Nguimsop, A. M., Chaudhry, F. N., Michki, S. N., Salvador, J., **Iruela-Arispe, M. L.**, Zepp, J. A., Mukhopadhyay, S., and Cleaver, O. 2025. Dynamics of primary cilia in endothelial and mesenchymal cells throughout mouse lung development. *Dev Dyn.* [PMCID: PMC12353473](#). Deposited in [bioRxiv 2024.10.25.620342](#): Spatiotemporal dynamics of primary and motile cilia throughout lung development.
5. Gould, A., Luan, Y., Hou, Y., Korobova, F. V., Chen, L., Arrieta, V. A., Amidei, C., Ward, R., Gomez, C., Castro, B., Habashy, K., Zhang, D., Youngblood, M., Dmello, C., Bebawy, J., Bouchoux, G., Stupp, R., Canney, M., Yue, F., **Iruela-Arispe, M. L.**, and Sonabend, A. M. 2024. Endothelial response to blood-brain barrier disruption in the human brain. *JCI insight.* 10(4): e187328. [PMCID: PMC11949064](#).
6. Moise, K., Arun, K. M., Pillai, M., Salvador, J., Mehta, A. S., Goyal, Y., and **Iruela-Arispe, M. L.** 2024. Endothelial cell elongation and alignment in response to shear stress requires acetylation of microtubules. *Front Physiol.* 15:1425620. [PMCID: PMC11420013](#).
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