

Jen Liou, Ph.D.

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EDUCATION

- 2018 Certificate in Leadership Emerging in Academic Departments Program, UT Southwestern, USA
- 2001 Ph.D. in Microbiology & Immunology, University of California at San Francisco, California, USA
- 1994 M.S. in Zoology, National Taiwan University, Taipei, Taiwan
- 1992 B.S. in Zoology, National Taiwan University, Taipei, Taiwan

PROFESSIONAL EXPERIENCES

- 2019- Member, Harold C. Simmons Comprehensive Cancer Center, UT Southwestern
- 2018- Associate Professor with Tenure, Department of Physiology, UT Southwestern Medical Center, Dallas, Texas, USA.
- 2009-18 Assistant Professor, Department of Physiology, UT Southwestern Medical Center, Dallas, Texas, USA
- 2003-09 Research Associate, Department of Chemical & Systems Biology, Stanford University Medical Center, Stanford, California, USA. Mentor: Tobias Meyer, Ph.D.
- 2001-05 Scientist, Alliance for Cellular Signaling, Stanford University Medical Center, Stanford, California, USA
- 2001-03 Postdoctoral Fellow, Department of Molecular Pharmacology, Stanford University Medical Center, Stanford, California, USA. Mentor: Tobias Meyer, Ph.D.
- 1994-2001 Ph.D. thesis research, Howard Hughes Medical Institute, University of California at San Francisco, California, USA. Mentor: Arthur Weiss, M.D., Ph.D.
- 1992-94 Master thesis research, Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan. Mentor: Tang K. Tang, Ph.D.
- 1991-92 Undergraduate research, Department of Zoology, National Taiwan University, Taipei, Taiwan. Mentors: Chu-Fang Lo, Ph.D. and Guang-Hsiung Kuo, Ph.D.

HONORS AND AWARDS

- 2023 Keynote Speaker, Gordon Research Seminar on Molecular and Cellular Biology of Lipids
- 2022/2024 American Society for Biochemistry and Molecular Biology Annual Meeting Symposium talk
- 2018 Dean's LEAD Program Capstone Project Recognition Award, UT Southwestern
- 2015 Biochemical Society Symposium Scholarship
- 2009 UT Southwestern Endowed Scholar in Biomedical Sciences
- 2009 Biophysical Society Annual Meeting Symposium talk
- 2008 Keystone Symposia Scholarship
- 1997-99 Graduate Dean's/Anthony Fellowship in Immunology, Graduate Division, UCSF
- 1992 Research Creativity Award for outstanding research project, National Science Council, Taiwan

PROFESSIONAL SERVICES

Organizer of Scientific Meetings

- Co-organizer of 2026 FASEB Summer Research Conferences on Phospholipids in Aging and Disease
- Primary organizer of 2025 FASEB Summer Research Conferences on Calcium and Cell Function
- Thematic Symposium Organizer of ASMBM 2024 Annual meeting on Organelle Contact Sites
- Co-organizer of 2023 FASEB Summer Research Conferences on Calcium and Cell Function
- Session chair of 2022 FASEB Summer Research Conference on Phospholipids
- Session chair of 2021 FASEB Summer Research Conference on Calcium and Cell Function
- Session chair of 2019 Cold Spring Harbor Asia Conference on Membrane Proteins.

Reviewer/Evaluator

- External Ph.D. thesis committee member for Alan Guo, Stony Brook University, 2021-2023
- Ph.D. opponent for Beichen Xie, Uppsala University, Sweden, May, 2020.
- Senior Editor for the Journal *“Contact”* 2017-present.
- Ad-hoc Reviewer for Journals including *Nature Reviews Molecular Cell Biology*, *Annual Review of Biochemistry*, *Nature Cell Biology*, *Nature Immunology*, *eLife*, *the EMBO Journal*, *the EMBO Reports*, *Journal of Cell Biology*, *Proceedings of the National Academy of Sciences*, *Biochemistry*, *Cell Calcium*, *Journal of Biological Chemistry*, *Oncogene*, *Journal of Neuroscience*, *Contact*, *Journal of Cell Science*, *BBA Molecular Cell Research*, *Scientific Reports*, *PLOS One*, *Journal of Applied Physics*, *Biomedical Research International*, *Cell Cycle*, *Nature Communications*.
- Ad-hoc Grant Reviewer for
 - National Institute of Health (NIH)
 - Neuronal Communication [NC], 2024
 - Fellowship Review Panel [F05Q], 2024
 - NHLBI Program Project (P01) Review Panel, 2024
 - Neurological Sciences Training 3 [NST-3] study section, 2023
 - NHLBI Program Project (P01) Review Panel, 2023
 - Membrane Biology and Protein Processing [MBPP] study section, 2021
 - Fellowship Review Panel [F05U], 2020
 - Molecular and Integrative Signal Transduction [MIST] study section, 2015
 - French National Research Agency, 2024
 - Swiss National Science Foundation, 2020
 - North West Cancer Research of United Kingdom, 2018
 - The CURE Program of Pennsylvania Department of Health, 2014

UT Southwestern SERVICES

2022-present	Member of Admissions Committee for Graduate School of Biomedical Sciences
2016-present	Volunteer of the STARS (Science Teacher Access to Resources at Southwestern) program
2015-present	Core Curriculum Committee for the 1 st year graduate students
2010-present	Chair or Member of Qualifying Exams or Thesis Committees for Ph.D. students
2023	Panelist, Annual Fall Faculty Reception of Women in Science and Medicine Advisory Committee (WISMAC)
2019	Co-organizer of SMART workshop for Junior Faculty at UT Southwestern Medical Center
2019-2021	Chair of Graduate School Awards Committee
2017-2021	CMB Graduate Program representative of Graduate School Awards Committee
2014	Program Planning Committee for the CMB graduate Program
2013-16	Faculty Senate for the Department of Physiology

TEACHING

2016-present	Lecturer, Core Course for first year Ph.D. students
2015-present	Coordinator, Cells Thread Literature Discussion for first year Ph.D. students
2015-present	Lecturer, Current Topics in Cell Biology for CMB Ph.D. students
2015-present	Evaluator, Work-in-Progress for CMB Ph.D. students
2015-present	Discussion leader, Graduate School Responsible Conduct of Research course
2014-present	Lecturer, Human Physiology Course for Health Care Professional students
2019	Course Co-Director, Cells Thread Core Course for first year Ph.D. students
2018	Moderator, CMB Graduate Program Journal Club
2016	Discussion Leader, CMB Graduate Program Journal Club
2012-14	Facilitator, Convergence Course for Inter-professional Group Discussions
2011-17	Lecturer, Human Physiology Course for Ph.D. students in the Mechanisms of Disease and Translational Science (MoD) Track
2011-15	Group Leader, Cells Thread Literature Discussion for first year Ph.D. students

LAB TRAINEES

Hannes Buck	2020-	Ph.D. Student (CMB graduate program)
Carlo Quintanilla	2016-21	Ph.D. Student (CMB graduate program)
	Currently	AAAS Fellow at NIH
Ting-Sung Hsieh	2013-18	Ph.D. Student (MB graduate program)
	2017	Selected to give a mini-symposium talk at the ASCB meeting
	Currently	Postdoc in Vincent Tagliabracci Lab at UT Southwestern
Yu-Ju Chen	2013-19	Postdoc
	2016/19	Selected to give a mini-symposium talk at the ASCB meeting (twice)
	Currently	Senior Scientist at Pfizer in St. Louis, MO.
Nicole Aponte	2012	Summer Undergraduate Research Fellowship (SURF)
	Currently	Postdoc in Dan Wagner Lab at UCSF
Chi-Lun Chang	2010-14	Ph.D. Student (IB graduate program/MoD track)
	2012/14	Selected to give a mini-symposium talk at the ASCB meeting (twice)
	Currently	Tenure-Track Faculty at St. Jude's Children's Hospital
Shuai Zhang	2010-11	Postdoc
	Currently	Product specialist at Malvern Instruments in Shanghai, China

PUBLICATIONS

- Yang Y, Valencia LA, Lu CH, Nakamoto ML, Tsai CT, Liu C, Yang H, Zhang W, Jahed Z, Lee WR, Santoro F, Liou J, Wu JC, Cui B. (2024) "Plasma membrane curvature regulates the formation of contacts with the endoplasmic reticulum" *Nat Cell Biol*. doi: 10.1038/s41556-024-01511-x.
- Zhang J, Zeng W, Han Y, Lee WR, Liou J, Jiang Y. (2023) "Lysosomal LAMP proteins regulate lysosomal pH by direct inhibition of the TMEM175 channel." *Mol Cell*. 83(14):2524-2539.e7.
- Lu W, Helou, YA, Shrinivas K, Liou J, Au-Yeung BB, Weiss A. (2023) "The phosphatidylinositol (PI)-transfer protein Nir3 promotes PI(4,5)P2 replenishment in response to TCR signaling during T cell development and survival." *Nature Immunology*, 24(1):136-147.
- Quintanilla CG, Lee WR, Liou J. (2022) "Nir1 constitutively localizes at ER-PM junctions and promotes Nir2 recruitment for PIP2 homeostasis." *Mol Biol Cell*. 1;33(3):br2.

- Zhemkov V, Liou J, Bezprozvanny I. (2021) "Sigma 1 Receptor, Cholesterol and Endoplasmic Reticulum Contact Sites." *Contact*. 4: 1–7.
- Zhemkov V, Ditlev JA, Lee WR, Wilson M, Liou J, Rosen MK, Bezprozvanny I. (2021) "The role of sigma 1 receptor in organization of endoplasmic reticulum signaling microdomains." *Elife*. 10:e65192.
- Hsieh TS, Lopez VA, Black MH, Osinski A, Pawłowski K, Tomchick DR, Liou J, Tagliabracci VS. (2021) "Dynamic remodeling of host membranes by self-organizing bacterial effectors." *Science*. 372(6545):935-941.
- Chimalapati S, de Souza Santos M, Lafrance AE, Ray A, Lee WR, Rivera-Cancel G, Vale G, Pawlowski K, Mitsche MA, McDonald JG, Liou J, Orth K. (2020) "Vibrio deploys type 2 secreted lipase to esterify cholesterol with host fatty acids and mediate cell egress." *Elife*. 9:e58057.
- Laothamatas I, Gao P, Wickramaratne A, Quintanilla CG, Dino A, Khan CA, Liou J, Green CB. (2020) "Spatiotemporal regulation of NADP(H) phosphatase Nocturnin and its role in oxidative stress response." *Proc Natl Acad Sci U S A*. 117(2):993-999.
- Li J, Shang G, Chen YJ, Brautigam CA, Liou J, Zhang X, Bai XC. (2019) "Cryo-EM analyses reveal the common mechanism and diversification in the activation of RET by different ligands." *Elife*. 8. pii: e47650.
- Barylko B, Chen YJ, Hennen J, Angert I, Chen Y, Mueller JD, Sun HQ, Taylor CA 4th, Liou J, Yin H, Albanesi JP. (2019) "Myristoylation-Dependent Palmitoylation of the Receptor Tyrosine Kinase Adaptor FRS2 α ." *Biochemistry*. 58(25):2809-2813.
- Wu J, Chen YJ, Dobbs N, Sakai T, Liou J, Miner JJ, Yan N. (2019) "STING-mediated disruption of calcium homeostasis chronically activates ER stress and primes T cell death." *J Exp Med*. 216(4):867-883.
- Chang CL*, Liou J*. (2019) "Analysis of Phosphatidylinositol Transfer at ER-PM Junctions in Receptor-Stimulated Live Cells." *Methods Mol Biol*. 1949:1-11.
- Chen YJ, Quintanilla CG, Liou J*. (2019) "Recent insights into mammalian ER-PM junctions." *Curr Opin Cell Biol*. 57:99-105
- Kuo YC, He X, Coleman AJ, Chen YJ, Dasari P, Liou J, Biederer T, Zhang X. (2018) "Structural analyses of FERM domain-mediated membrane localization of FARP1." *Sci Rep*. 8(1):10477.
- Chang CL, Chen YJ, Liou J*. (2018) "EB1 binding provides a diffusion trap mechanism regulating STIM1 localization and Ca²⁺ signaling." *J Cell Biol*. 217(6):2047-2058.
 - *Featured in J Cell Biol. Spotlight article Wang QC, Wang X, Tang TS. (2018) "EB1 traps STIM1 and regulates local store-operated Ca²⁺ entry." May 15. pii: jcb.201805037.*
- Hsieh TS, Chang CL, Lee WR, Liou J*. (2017) "Cortical actin contributes to spatial organization of ER-PM junctions." *Mol Biol Cell*. 28:3171-3180.
 - *Published in the Special Issue on Quantitative Cell Biology and Recommended by Faculty of 1000.*
- Chen YJ, Chang CL, Lee WR, Liou J*. (2017) "RASSF4 controls SOCE and ER-PM junctions through regulation of PI(4,5)P₂." *J Cell Biol*. 216(7):2011-2025.
 - *Featured in J Cell Biol. Spotlight article Dickson EJ (2017) "RASSF4: Regulator of plasma membrane PI(4,5)P₂." 216:1879-1881. doi: 10.1083/jcb.201706042.*
- Chang CL, Chen YJ, Liou J*. (2017) ""ER-plasma membrane junctions: Why and how do we study them?" *Biochim Biophys Acta*. 1864(9):1494-1506.

- *Invited Review for the special issue of "Membrane Contact Sites"*
- Chang CL, Liou J*. (2016) "Homeostatic regulation of the PI(4,5)P₂-Ca²⁺ signaling system at ER-PM junctions." *Biochim Biophys Acta*. 1861:862-873.
 - *Invited Review for the special issue of "The Cellular Lipid Landscape"*
- Henne WM, Liou J, Emr SD. (2015) "Molecular mechanisms of inter-organelle ER-PM contact sites.", *Curr Opin Cell Biol*. 35:123-130.
- Chang CL, Liou J*. (2015) "Phosphatidylinositol 4,5-Bisphosphate Homeostasis Regulated by Nir2 and Nir3 Proteins at Endoplasmic Reticulum-Plasma Membrane Junctions.", *J Biol Chem*. 290:14289-301.
- Liou J*, Chang CL. (2015) "Unveiling physiological functions of extended synaptotagmins", *Cell Cycle*, 14:800-01.
- Anderson DM, Anderson KM, Chang CL, Makarewich CA, Nelson BR, McAnally JR, Kasaragod P, Shelton JM, Liou J, Bassel-Duby R, Olson EN. (2015) "A micropeptide encoded by a putative long noncoding RNA regulates muscle performance", *Cell*, 160:595-606.
- Chang CL, Hsieh TS, Yang TT, Rothberg KG, Azizoglu DB, Volk E, Liao JC, Liou J*. (2013) "Feedback regulation of receptor-induced Ca²⁺ signaling mediated by E-Syt1 and Nir2 at endoplasmic reticulum-plasma membrane junctions", *Cell Rep*, 5:813-25.
- Liou J*, Meyer T*. (2013) "Septins set the stage for Orai1 to bind STIM1 at ER-PM junctions", *Dev Cell*. 26:116-8.
- Limnander A, Depeille P, Freedman TS, Liou J, Leitges M, Kurosaki T, Roose JP, Weiss A. (2011) "Stim1, PKCδ and RasGRP proteins set a threshold for pro-apoptotic Erk signaling during B cell development", *Nature Immunology*, 12:425-33.
- Brandman O, Liou J, Park WS, Meyer T. (2007) "STIM2 is a feedback regulator that stabilizes basal cytosolic and endoplasmic reticulum Ca²⁺ levels", *Cell*, 131:1327-39.
 - *Featured in Science Signaling (2008) 1:ec5.*
 - *Rated as "Must Read" by Faculty of 1000.*
- Galvez T, Teruel MN, Heo WD, Jones JT, Kim ML, Liou J, Myers JW, Meyer T. (2007) "siRNA screen of the human signaling proteome identifies the PtdIns(3,4,5)P₃-mTOR signaling pathway as a primary regulator of transferrin uptake", *Genome Biol*, 8:R142.
- Liou J*, Fivaz M, Inoue T, Meyer T*. (2007) "Live-cell imaging reveals sequential oligomerization and local plasma membrane targeting of STIM1 following Ca²⁺ store depletion", *Proc. Natl. Acad. Sci. USA*, 104:9301-06.
 - *Featured in J. Cell Biol. (2007) "Steps to STIMulation", 177:947.*
 - *Featured in THE SCIENTIST (2008) "Calcium Signaling: STIM revisited".*
- Liou J, Kim ML, Heo WD, Jones JT, Myers JW, Ferrell JE Jr., Meyer T. (2005) "STIM is a calcium sensor essential for calcium-store-depletion-triggered calcium influx", *Current Biology*, 15:1235-41.
 - *Selected as a Signaling Breakthrough of 2005 by Science STKE.*
 - *Selected as a "Hot Paper" by ISI Essential Science Indicator of Thomson Scientific.*
 - *Featured in Science STKE (2005) 293:tw262.*
 - *Featured in THE SCIENTIST (2007) October, p.79.*
 - *Rated as "Exceptional" by Faculty of 1000.*

- Gilman AG, Simon MI, Bourne HR, Harris BA, Long R, Ross EM, Stull JT, Taussig R, Bourne HR, Arkin AP, Cobb MH, Cyster JG, Devreotes PN, Ferrell JE, Fruman D, Gold M, Weiss A, Stull JT, Berridge MJ, Cantley LC, Catterall WA, Coughlin SR, Olson EN, Smith TF, Brugge JS, Botstein D, Dixon JE, Hunter T, Lefkowitz RJ, Pawson AJ, Sternberg PW, Varmus H, Subramaniam S, Sinkovits RS, Li J, Mock D, Ning Y, Saunders B, Sternweis PC, Hilgemann D, Scheuermann RH, DeCamp D, Hsueh R, Lin KM, Ni Y, Seaman WE, Simpson PC, O'Connell TD, Roach T, Simon MI, Choi S, Eversole-Cire P, Fraser I, Mumby MC, Zhao Y, Brekken D, Shu H, Meyer T, Chandy G, Heo WD, Liou J, O'Rourke N, Verghese M, Mumby SM, Han H, Brown HA, Forrester JS, Ivanova P, Milne SB, Casey PJ, Harden TK, Arkin AP, Doyle J, Gray ML, Meyer T, Michnick S, Schmidt MA, Toner M, Tsien RY, Natarajan M, Ranganathan R, Sambrano GR. (2002) "Overview of the Alliance for Cellular Signaling", *Nature*, 420: 703-6.
- Sauer K[^], Liou J[^], Singh SB, Yablonski D, Weiss A, Perlmutter RM. (2001) "The kinase HPK1 associates physically and functionally with the adaptor proteins BLNK and SLP-76 in lymphocytes", *J Biol Chem*. 276: 45207-16. [[^]: Co-first authors]
- Arnold R, Liou J, Drexler HC, Weiss A, Kiefer F. (2001) "Caspase-mediated cleavage of hematopoietic progenitor kinase 1 (HPK1) converts an activator of NFκB into an inhibitor of NFκB", *J Biol Chem*. 276: 14675-84.
- Liou J, Kiefer F, Dang A, Hashimoto A, Cobb MH, Kurosaki T, Weiss A. (2000) "HPK1 is activated by lymphocyte antigen receptors and negatively regulates AP-1", *Immunity*, 12: 399-408.
 - *Featured in Science STKE (2000) 29:tw6.*

INVITED SEMINARS/ORAL PRESENTATIONS

- Invited seminar, University of Tennessee at Knoxville, TN, October 2024.
- Invited talk, MRC Laboratory of Molecular Biology, Cambridge, UK, September 2024.
- Invited talk, European Calcium Society (ECS) meeting, Cambridge, UK, September 2024.
- Invited talk, FASEB Summer Research Conference on Phospholipids in Aging and Diseases, St Paul, MN, July 2024.
- Invited talk, Calcium Signaling Gordon Research Conference, Il Ciocco, Italy, June 2024.
- Invited talk, ASBMB annual meeting, San Antonio, TX, March 2024.
- Invited talk, Keystone Symposium on Organelle Membrane Contact Sites in Health and Disease, Banff, Canada, February 2024.
- Invited talk, EMBO Workshop on Inter-Organelle Contacts Biology, Fiuggi, Italy, October 2023.
- Invited talk, Gordon Research Seminar on Molecular and Cellular Biology of Lipids, Waterville Valley, NH, July 2023.
- Invited talk, Cellular and Organellar Calcium Signaling Conference, Haifa, Israel, May 2023 (canceled)
- Invited seminar, National Eye Institute, Bethesda, MD, April 2023.
- Invited seminar, Institute of Biological Chemistry, Academia Sinica, Taipei, Taiwan, December 2022.
- Invited seminar, National Taiwan University College of Medicine, Taipei, Taiwan, December 2022.
- Invited talk, Simmons Comprehensive Cancer Center Cellular Networks in Cancer Program Cell Signaling Retreat at UT Southwestern, Dallas, TX, November 2022.
- Invited talk, FASEB Summer Research Conference on Phospholipids, Jupiter, FL, August 2022.
- Invited seminar, Stony Brook University, Stony Brook, NY, May 2022.
- Invited talk, ASBMB annual meeting, Philadelphia, PA, April 2022.
- Invited talk, ASBMB Deuel Conference on Lipids, Monterey, CA, March 2022.
- Invited seminar, Ryerson University, Toronto, Canada, April 2021.

- Invited talk, International Symposium on Calcium Signaling, Wuhan, China, June 2020 (canceled).
- Invited talk, Sanofi Symposium, Beijing, China, April 2020 (canceled).
- Invited talk, Annual Conference of Chinese Society for Metabolic Biology, Jinan, China, April 2020 (canceled).
- Invited talk, Calcium Signaling Conference, Fez, Morocco, October 2019 (canceled).
- Invited seminar, Center of Life Sciences, Peking University, Beijing, China, May 2019.
- Invited talk, Annual Conference of Chinese Society for Metabolic Biology, Shanghai, China May 2019.
- Invited talk, Cold Spring Harbor Asia conference on membrane proteins, Suzhou, China, May 2019.
- Invited seminar, Hamon Center, UT Southwestern, Dallas, TX, April 2019.
- Seminar at the Loyola University Chicago, IL, October 2018.
- Invited talk, Gordon Research Conference on Lysosomes and Endocytosis, Andover, NH, June 2018.
- Invited talk, FASEB Summer Research Conference on Calcium and Cell Function, Tahoe City, CA, June 2018.
- Invited talk, Conference on Signaling at Membrane Contact Sites, Doha, Qatar, April 2018.
- Invited talk, STARS mini-Symposium, UT Southwestern, Dallas, TX, April 2018.
- Invited talk, Keystone Symposium on Phosphoinositide Biology, Taos, NM, February 2018.
- Invited seminar, HHMI Janelia Research Campus, Ashburn, VA, December 2017.
- Invited seminar, National Institute of Health (NIH), Bethesda, MD, December 2017.
- Invited talk, EMBO Symposium on Molecular and Cellular Biology of Membranes, Heidelberg, Germany, May 2017.
- Invited seminar, Department of Cell Biology, UT Southwestern, Dallas, TX, October 2016.
- Invited seminar, Department of Physiology, Baylor College of Medicine, Houston, TX, September 2016.
- Invited talk, FASEB Summer Research Conference on Calcium and Cell Function, Lisbon, Portugal, June 2016.
- Invited seminar, Department of Cell Biology, University of Pittsburgh, Pittsburgh, PA, April 2016.
- Invited seminar, Genome and Systems Biology Program of Academia Sinica, National Taiwan University, Taipei, Taiwan, March 2016.
- Invited seminar, Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan, March 2016.
- Invited talk, STARS mini-Symposium on How Organelles Talk to One Another, UT Southwestern, Dallas, TX, January 2016.
- Seminar at the Department of Biochemistry, Weill Cornell Medical College, New York, NY, USA, October 8, 2015.
- Oral presentation at Signalling 2015: Cellular Functions of Phosphoinositides and Inositol Phosphates, Cambridge, UK, September 3, 2015.
- Seminar at the College of Life Science, National Taiwan University, Taiwan, December 19, 2014.
- Oral presentation at the FASEB Summer Research Conference on Phospholipid Cell Signaling and Metabolism in Inflammation and Cancer, Niagara Falls, NY, USA, June 4, 2014.
- Invited speaker, NTU-UTSW Joint Symposium-Frontier of Biological Sciences, Taiwan, May 9, 2014.
- Seminar at the Institute of Molecular Biology, Academia Sinica, Taipei, Taiwan, December 30, 2013.
- Oral presentation at the Minisymposium: Membrane Organization and Lipid Dynamics, the annual meeting of The American Society for Cell Biology (ASCB), San Francisco, CA, December 19, 2012.
- Seminar at the Department of Pharmacology, UT Southwestern Medical Center, TX, March 15, 2012.
- Norman W. Carter Lecture at the O'Brien Center, UT Southwestern Medical Center, TX, April 7, 2011.
- Seminar at the Department of Life Science, National Taiwan University, Taiwan, December 27, 2010.
- Seminar at the Center of Mineral Metabolism, UT Southwestern, Dallas, TX, June 25, 2010.

- Seminar at the Department of Cell Biology, UT Southwestern, Dallas, TX, September 15, 2009.
- Seminar at the Department of Cell Biology, Yale University School of Medicine, New Haven, CT, March 26, 2009.
- Seminar at the Department of Physiology, Johns Hopkins University School of Medicine, Baltimore, MD, March 5, 2009.
- Symposium talk on Calcium Release-activated Calcium Channels, Biophysical Society 53rd Annual Meeting, Boston, MA, March 1, 2009.
- Seminar at the Vollum Institute, Oregon Health Science University, Portland, OR, January 8, 2009.
- Seminar at the Genomics Research Center, Academia Sinica, Taipei, Taiwan, December 18, 2008.
- Seminar at the Department of Physiology, University of Pennsylvania School of Medicine, Philadelphia, PA, December 9, 2008.
- Seminar at the Department of Physiology, UT Southwestern, Dallas, TX, October 10, 2008.
- Invited talk at the siRNA Screening for Drug Discovery Workshop, Assays & Cellular Targets Conference, San Diego, CA, September 24, 2008.
- Seminar at the Cell Biology Program, Sloan-Kettering Institute, New York, NY, February 25, 2008.
- Oral presentation at the Keystone Symposium on Molecular Basis for Biological Membrane Organization, Big Sky, MT, January 14, 2008.
- Seminar at the Department of Molecular Biophysics and Physiology, Rush University, Chicago, IL, December 6, 2007.
- Oral presentation at the Minisymposium: Regulatory Roles of Lipid Microdomains, the annual meeting of The American Society for Cell Biology (ASCB), Washington DC, December 5, 2007.
- Seminar at the Institute of Molecular Biology, Academia Sinica, Taipei, Taiwan, June 14, 2007.
- Oral presentation at the Platform: Calcium Signaling Pathways, the annual meeting of the Biophysical Society, Baltimore, MD, March 6, 2007.
- Oral presentation at the FASEB Summer Research Conference on Signal Transduction in the Immune System, Saxton's River, VT, USA, July, 2000.

PATENT

- **Liou J** and Meyer T. "Calcium biosensor polypeptides and methods of use", U.S. Patent No.7,481,994.