

Curriculum Vitae

BLANCA CAMORETTI-MERCADO, Ph.D.

PROFESSIONAL ADDRESS

Division of Allergy and Immunology
 Department of Internal Medicine
 University of South Florida College of Medicine
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EDUCATION

1975 Jose M. Estrada High School, Argentina, *Valedictorian*
 1981 Biochemist, School of Pharmacy and Biochemistry, University of Buenos Aires, Argentina
(Summa cum Laude. Graduated in 4th place of combined classes of over 15,000 students)
 1986 Ph.D. in Biochemistry, School of Pharmacy and Biochemistry, University of Buenos Aires, Argentina
(Awarded Best Thesis of the Year in the School of Pharmacy and Biochemistry)

ACADEMIC APPOINTMENTS

1976 - 1981 Teaching Assistant, Department of Physics and Mathematics, University of Buenos Aires, Argentina
 1981 - 1986 Predoctoral Fellow, National Research Council (CONICET), Argentina
 1981 - 1986 Research Assistant, Department of Biological Chemistry, University of Buenos Aires, Argentina
 1986 Instructor, Department of Biological Chemistry, University of Buenos Aires, Argentina
 1986 - 1988 Postdoctoral Fellow, National Research Council (CONICET), Argentina
 1986 - 1988 Research Associate (Visiting Scholar), Department of Biochemistry and Molecular Biology, The University of Chicago, Chicago
 Advisor: Dr. Lucia Rothman-Denes, Ph.D. (National Academic of Sciences member)
 1989 - 1991 Research Associate (Instructor), Section of Cardiology, Department of Medicine, The University of Chicago, Chicago
 1992 - 1995 Research Associate (Assistant Professor), Section of Cardiology, Department of Medicine, The University of Chicago, Chicago
 1995 - 1998 Research Associate (Assistant Professor), Section of Pulmonary and Critical Care Medicine, Department of Medicine, The University of Chicago, Chicago
 1998 - 2008 Senior Research Associate, Section of Pulmonary and Critical Care Medicine, Department of Medicine, The University of Chicago, Chicago
 2001 - 2012 Member, Committee on Molecular Medicine, The University of Chicago, Chicago
 2008 - 2012 Assistant Professor of Medicine, Section of Pulmonary and Critical Care Medicine, The University of Chicago, Chicago
 2010 - 2012 Member, Graduate Committee on Molecular Pathogenesis and Molecular Medicine, Biological Sciences Division, The University of Chicago, Chicago
 2010 - 2012 Founding Member, Committee on Clinical and Translational Sciences, Biological Sciences Division, The University of Chicago, Chicago
 2010 - 2012 Track Leader, Scientific Investigation, Basic Sciences, Scholarship and Discovery, Pritzker School of Medicine, The University of Chicago
 2011 Founding Fellow Member, Institute for Integrative Physiology, Biological Sciences Division, The University of Chicago, Chicago
 2012 - 2015 Assistant Professor, Center for Personalized Medicine and Genomics, Morsani College of Medicine, University of South Florida, Tampa, FL
 2012 - Assistant Professor, Division of Allergy and Immunology, Department of Internal Medicine, Morsani College of Medicine, University of South Florida, Tampa, FL

COMPLETED RESEARCH GRANTS

Principal Investigator

NIH - NHLBI K01HL092588-02 Role of TGF beta in Airway Hyperresponsiveness In Vivo	05/01/13 – 04/30/15
NIH-NHLBI K01HL092588 Role of TGF beta in Airway Hyperresponsiveness In Vivo	04/01/08 – 04/30/12
NIH-CTSA UL1 RR024999 - Core subsidy Analysis of Airway Remodeling and Inflammation in Animal Models of Asthma	10/01/10 – 09/30/11
RESPIRATORY HEALTH ASSOCIATION OF METROPOLITAN CHICAGO Catch Your Breath Research Award Association of Serum Response Factor with Tuberin, the Tumor Suppressor Mutated in LAM	06/01/09 – 06/30/10
NIH-CTSA UL1 RR024999 Pilot and Collaborative Translational and Clinical Studies Pilot and Collaborative Translational and Clinical Studies Evaluation of Lovastatin in Severe Persistent Asthma	02/05/08 – 02/04/12
AMERICAN LUNG ASSOCIATION / BLOWITZ-RIDGEWAY FOUNDATION Modulation of Lung Function by the Mevalonate Pathway	07/01/04 – 06/30/07
AMERICAN THORACIC SOCIETY and THE LAM FOUNDATION Modulation of Smooth Muscle Gene Expression by the TSC Gene Products (<i>One of the five inaugural grants awarded by the American Thoracic Society</i>)	01/01/04 – 12/31/05
NIH-NHLBI - HL56399-06 SCOR in Cellular and Molecular Mechanism of Asthma Molecular Biology Core	09/01/01 – 08/31/06
THE LAM FOUNDATION The Role of Mevalonate Pathway in Normal and Diseased Smooth Muscle	07/15/01 – 07/14/02
AMERICAN LUNG ASSOCIATION -Metropolitan Chicago Tissue Specific Gene Transcription in Airway Smooth Muscle	07/01/96 – 06/30/98
AMERICAN HEART ASSOCIATION-Grant-in-Aid Inhibition of Smooth Muscle Contraction by Expression of SH-1 Peptides (<i>Declined because it overlapped with the NIH SCOR award</i>)	07/01/96 – 06/30/98

Co-Investigator

NIH – AG047473 (V. Dave) Hypoxia Signaling and Spontaneous Pulmonary Fibrosis in a Novel Mouse Model Role: Co-Investigator	01/01/15 –12/31/16
NIH/NHLBI - R01HL097805 (J Solway) HLA-G - LILRB - SHP2 Axis in Airway Smooth Muscle	08/01/09 – 07/31/14
NIH-NIAID 1R34AI080962 (J Solway) Evaluation of Lovastatin in Severe Persistent Asthma	09/05/08 – 08/31/10
NATIONAL HEALTH AND MEDICAL RESEARCH COUNCIL- AUSTRALIA NHC-454589 (AG Stewart) Controlling Remodeling in Pulmonary Fibrosis and Asthma Role: Chief Investigator B	01/01/08 – 12/31/10
DEPARTMENT OF DEFENSE – CDMRP (A Castro, UCSF) Functional Relevance of the Ras-related GTPase Rheb in Tuberous Sclerosis	10/01/04 - 09/30/07
NIH - NCRR (M Lingel) Instrumentation Grant Automatic Tissue Arrayer	2004

NIH-NIAD -P01-AI056352 (J Solway) Asthma and Allergic Diseases Research Center Project 4 (White): Role of TGF- β in Protection Against Airway Epithelial Cell Apoptosis in Asthma	09/01/03 - 08/29/08
NIH- NHLBI - HL56399-06 (J Solway) SCOR in Cellular and Molecular Mechanism of Asthma Project 3 (J Solway): Nuclear Trafficking of SRF in Airway Smooth Muscle	09/01/01 - 08/31/06 09/01/01 - 08/31/06
GLAXO-SMITH-KLINE, INC. Center of Excellence (A Leff) Regulation of Airway smooth Muscle Contractility and Plasticity by Expression and Phosphorylation of Heat Shock protein 27 (hsp27)	01/01/02 - 12/31/02
GLAXO-SMITH-KLINE, INC. Center of Excellence (A Leff) Regulation of SRF-dependent Smooth Muscle-Specific Gene Transcription by Mechanisms That Regulate Nuclear Translocation of Serum Response Factor	01/01/01 - 12/31/01
OTHO S.A. SPRAGUE FOUNDATION – ID # 12920 (J Solway) Molecular Mechanism Underlying the Contractile Phenotype in Airway Smooth Muscle	12/01/97 - 11/30/98
OTHO S.A. SPRAGUE FOUNDATION – ID # 12920 (J Solway) Effects of NF- κ B Activation in Airway Smooth Muscle	12/01/96 - 11/30/97
OTHO S.A. SPRAGUE FOUNDATION – ID # 12920 (J Solway) Inhibition of Airway Smooth Muscle Contraction	12/01/95 - 11/30/96

AWARDS AND HONORS

1980	Summa cum Laude (Ranked 4 th in combined classes of over 15,000 students), School of Pharmacy and Biochemistry, University of Buenos Aires, Argentina
1981 - 1986	Predoctoral Fellowship, National Research Council (CONICET) Argentina
1983	Award and Diploma “Premio Estimulo a la Investigacion Cientifica”, for Outstanding Contributions to Biochemistry Research, Argentina
1986	Award and Diploma “Premio Facultad”, for Best Thesis of the Year. University of Buenos Aires, Argentina
1986 - 1988	Postdoctoral Fellowship, National Research Council (CONICET), Argentina
1991	Fellowship for Young Investigator, First World Congress in Molecular and Cellular Biology, Paris, France
1993- 1994	Vice President and Founder Member, Chicago PCR Discussion Group
2001,02,07,08	Travel Award, LAM Symposium, Cincinnati
2001 - 2007	Director, Molecular and Cellular Biology Core, Section of Pulmonary and Critical Care, Department of Medicine, The University of Chicago
2002	Nominee, Ann Woolcock Memorial Award for Outstanding Contributions and Future Promise in Asthma, American Thoracic Society
2004	2003 Scientist, The LAM Foundation, Cincinnati
2004	Annual Recognition Award, American Lung Association-Metropolitan Chicago
2004	Plaque in Recognition of Outstanding Contribution for the Advance of Science, Erasmus University, Rotterdam, The Netherlands and the Bundelkhand University, Jhansi, India
2005	Principal Investigator IACUC Research Protocol, Smooth Muscle Biology in Transgenic Mice
2008	Highlighted Abstract, 2008 International American Thoracic Society Conference, Toronto
2008	Top Abstract, Mechanism of Disease, Central Society for Clinical Research and the Midwestern Association for Medical Research Combined Annual Meeting, Chicago
2008	Scientific Advisory Committee Member, 1st World Summit of Antivirals, China
2008	Inaugural Workshop, University of Chicago CTSA Biological Translational Research, Institute for Molecular Medicine, The University of Chicago
2009	Principal Investigator, IRB ELiSPA Clinical Trial
2009,10	Travel Award (on behalf of Dr. Serban), American Thoracic Society
2009,10,11,12	K-Grantee Award, Central Society for Clinical Research and the Midwestern Section American Federation for Medical Research Combined Annual Meetings, Chicago
2011	University Nominee for the Edward Mallinckrodt, Jr. Foundation Award
2010	Travel Award (on behalf of Ms. Robinson), American Thoracic Society
2012	Travel Award (on behalf of Ms. Espinosa), American Thoracic Society

- 2012 Nominee, Distinguished Educator and Mentor Award
 2012 Department of Medicine Diversity Award
 2013 Ad-hoc Consultant for Secretary-Treasurer Candidate for 2016-2017 President of the American Thoracic Society
 2014 - Editorial Board, *Frontiers in Cardiovascular Medicine*
 2015 - 16 Assembly Chair-elect, Respiratory Structure and Function, American Thoracic Society
 2016 - 18 Assembly Chair, Respiratory Structure and Function, American Thoracic Society
<http://www.thoracic.org/members/assemblies/assemblies/rsf/>
 2016 - Director Translational Research, Division of Allergy and Immunology, Dept. Internal Medicine, USF
 2016 - 18 Member, Board of Directors, American Thoracic Society
<https://www.thoracic.org/about/governance/board-of-directors.php>
 2016 - Member, Finance Compensation Committee, American Thoracic Society
 2017 - Member, Planning and Evaluation Committee, American Thoracic Society

BIBLIOGRAPHY

ORIGINAL PEER-REVIEWED PUBLICATIONS (# indicates over 20 citations)

1. **Camoretti-Mercado BS** and Frydman RB. (1986) Separation of tryptophan pyrroloxygenase into three molecular forms: a study of their substrate specificities using tryptophyl containing peptides and proteins. *Eur J Biochem*; 156:317-325. PMID: 3699018
2. **Camoretti-Mercado BS** and Frydman RB. (1987) Isolation and purification of three molecular forms of tryptophan pyrroloxygenase from wheat germ. *Anal Asoc Quim Argent*; 74: 583-600
3. **Camoretti-Mercado BS** and Frydman RB. (1987) Enzymatic oxidation of tryptophyl residues of peptides and proteins by tryptophan pyrroloxygenase. *Anal Asoc Quim Argent*; 74: 601-62
4. Frydman RB, Rosenfeld J, **Camoretti-Mercado BS**, and Peisach J. (1987) Porphobilinogen oxygenase: purification and evidence of its hemoprotein structure. *J Biol Chem*; 262: 15118-15126. PMID: 2822713
5. Stewart, AFR, **Camoretti-Mercado B**, Perlman D, Gupta M, Jakovcic S, and Zak R. (1990) Structural and phylogenetic analysis of chicken ventricular myosin heavy chain rod. *J Mol Biol*; 33:357-356. PMID: 1774788
6. **Camoretti-Mercado B**, Stewart AFR, Jakovcic S, and Zak R. (1992) Primordial myosin heavy chain expression in chicken injured skeletal muscle. *Recent Adv Cell Mol Biol*; 5: 17-22
7. **Camoretti-Mercado B**, Dizon E, Jakovcic S, and Zak R. (1993) Differential expression of ventricular-like myosin heavy chain cDNA in developing and regenerating avian skeletal muscles. *Cell Mol Biol Res*; 39: 425-437. PMID: 8173588
8. **Camoretti-Mercado B**, Jakovcic S, and Zak R. (1994) Cardiac phenotypic markers expressed in early stages of both cardiac and skeletal muscle development. *Cell Mol Biol Res*; 40: 87-91. PMID: 7849768
9. **Camoretti-Mercado B**, Qin Y, Jakovcic S, Salazar-Gruesso E, and Zak R. (1996) Developmental shift of myosin heavy chain mRNA expression due to neural factor(s) and muscle activity. *Am J Physiol*; 271(40):C1350-C1357. PMID: 8897842
10. # **Camoretti-Mercado B**, Forsythe SM, LeBeau MM, Espinosa RIII, Vieira JE, Halayko AJ, Willadsen S, Kurtz B, Ober C, Evans GA, Thweatt R, Shapiro S, Niu Q, Qin Y, Padrid PA, and Solway J. (1998) Structure, expression, and cytogenetic localization of the human SM22 gene. *Genomics*; 49: 452-457. PMID: 9615232
11. Padrid P, Qin Y, Wells TNC, Solway J, and **Camoretti-Mercado B**. (1998) Sequence and molecular characterization of feline interleukin-5 cDNA. *Amer J Vet Res*; 59: 1263-1269. PMID: 9781459
12. # Halayko AJ, **Camoretti-Mercado B**, Forsythe SM, Vieira JE, Mitchell RW, Wylam ME, Hershenson MB, and Solway J. (199) Divergent differentiation paths in airway smooth muscle culture: induction of functionally contractile myocytes. *Am J Physiol*; 276 (*Lung Cell Mol Physiol*) L197-L206. PMID: 9887072
13. # Hamman KJ, Vieira JE, Halayko AJ, Dorscheid D, White SR, Forsythe SM, **Camoretti-Mercado B**, Rabe KF, and Solway J. (2000) Fas crosslinking induces apoptosis in human airway smooth muscle cells. *Am J Physiol*; 278(3) (*Lung Cell Mol Physiol*) L618-L624. PMID: 10710535
14. # **Camoretti-Mercado B**, Liu HW, Halayko AJ, Forsythe SM, Kyle JW, Fu Y, McConville J, Kogut P, Vieira JE, Patel NM, Hershenson MB, Miano JM, Parmacek MS, Burkhardt JK, and Solway J. (2000) Physiological control of smooth muscle-specific gene expression through regulated nuclear translocation of serum response factor. *J Biol Chem*; 275: 30387-30393. PMID: 10866994
15. # Fu Y, Liu HW, Forsythe SM, Kogut P, McConville J, Halayko AJ, **Camoretti-Mercado B**, and Solway J. Mutagenesis analysis of human SM22: (2000) Characterization of actin binding. *J Appl Physiol*; 89(5): 1985-1990. PMID: 11053353

16. # Forsythe SM, Kogut P, McConville J, Fu Y, McCauley JA, Halayko AJ, Liu HW, Kao A, Fernandes DJ, Bellam S, Fuchs E, Sinha S, Bell GI, **Camoretti-Mercado B**, and Solway J. (2002) Structure and transcription of the human m3 muscarinic receptor gene. *Am J Resp Cell Mol Biol*; 26(3):298-305. PMID: 11867338
17. # Qin Y, **Camoretti-Mercado B**, Blokh L, Long CG, Ko FD, and Hamann K. (2002) Fas resistance of leukemia eosinophils is due to activation of NF- κ B by fas ligation. *J Immunology* ; 169: 3536-3544. PMID: 12244143
18. # Liu HW, Halayko AJ, Fernandes DJ, Harmon GS, McCauley J, Kocieniewsky P, McConville J, Fu Y, Forsythe SM, Kogut P, Bellam S, Dowel M, Chuchil J, Lesso H, Cassiri K, Mitchell RW, Hershenson MB, **Camoretti-Mercado B**, and Solway J. (2003) The RhoA/Rho kinase pathway regulates nuclear localization of serum response factor. *Am J Resp Cell Mol Biol*; 29(1):39-47. PMID: 12600823
19. # Davis FJ, Gupta M, **Camoretti-Mercado B**, Schwartz RJ, Gupta MP. (2003) Calcium/calmodulin-dependent protein kinase activates serum response factor transcription activity by its dissociation from histone deacetylase, HDAC4: Implications in cardiac muscle gene regulation during hypertrophy. *J Biol Chem*; 278(22):20047-58. PMID: 12663674
20. # Halayko AJ, Kartha S, Stelmack GL, McConville J, Tam J, **Camoretti-Mercado B**, Forsythe SM, Hershenson MB, and Solway J. (2004) Phosphatidylinositol-3 kinase//mammalian target of rapamycin/p70S6K regulates contractile protein accumulation in airway myocyte differentiation. *Am J Resp Cell Mol Biol*; 31(3):266-75. PMID: 15105162
21. # Shilling RA, Pinto JM, Decker DC, Schneider DH, Bandukwala HS, Schneider JR, **Camoretti-Mercado B**, Ober C, and Sperling AI. (2005) Polymorphisms in the ICOS promoter region are associated with allergic sensitization and Th2 cytokine production. *J Immunol*; 175(4):2061-5. PMID: 16081771. *Cutting edge article*
22. # **Camoretti-Mercado B**, Fernandes DJ, Dewundara S, Churchill J, Ma L, Kogut P, McConville J, Parmacek M and Solway J. (2006) Inhibition of TGF β 1-enhanced SRF-dependent transcriptional activity by Smad7. *J Biol Chem*; 281(29):20383-20392. PMID: 16690609
23. # Tan Z, Randall G, Fan J, **Camoretti-Mercado B**, Brockman-Schneider R, Pan L, Solway J, Gern JE, Lemanske, Jr. RF, Nicolae D, Ober C. (2007) Allele-specific targeting of microRNAs to *HLA-G* and risk for asthma. *Am J Hum Genet*; 81:829-834. PMID: 17847008. *Featured in Research Highlights, Nature 448, 972 – 973, 2007*
24. Pinto LH, Eaton E, Chen B, Fleisher J, Shuster D, McCauley J, Kedainis D, Salaksana J, Turek FW, Takahashi JS, Siepka SM, Vitaterna MH, Shimomura K, Song E-J, Husain A, Lakser OJ, Mitchell RW, Dowell ML, Brown M, **Camoretti-Mercado B**, Naclerio R, Levin SI, and Solway J. (2008) Gene-Environment interactions in a mutant mouse kindred with native airway constrictor hyperresponsiveness. *Mamm Genome*; 19(1):2-14. PMID: 18167028. *Issue cover*
25. Yau DM, Sethakorn N, Taurin S, Kregel S, Sandbo N, **Camoretti-Mercado B**, Sperling AI and Dulin NO. (2008) Regulation of Smad-mediated gene transcription by RGS3. *Mol Pharmacol*; 73(5):1356-61. PMID: 18287247
26. Dong L, Wang SJ, **Camoretti-Mercado B**, Li HJ, Chen M, Bi WX, and Zhang WD. (2008) FIZZ1 plays a crucial role in early stage airway remodeling of OVA-induced asthma. *J Asthma*; 45(8):648-53. PMID: 18951255
27. Schuliga MJ, See I, Chi Ong S, Soon L, **Camoretti-Mercado B**, Harris T and Stewart AG. (2009) Fibrillar collagen clamps lung mesenchymal cells in a non-proliferative and non-contractile phenotype *Am J Resp Cell Mol Biol*; 41(6):731-41. PMID: 19329552
28. Chen B, Yates E, Huang Y, Kogut P, Ma L, Turner JR, Tao Y, **Camoretti-Mercado B**, Lang D, Svensson E, Garcia J, Gruber P, Morrisey E, and Solway J. (2009) Alternative promoter and GATA5 transcripts in mouse. *Am J Physiol Gastrointest Liver Physiol*; 297(6):G1214-22. PMID: 19779014
29. Lacher MD, Pincheira R, Zhu Z, **Camoretti-Mercado B**, Matli M, Warren RS and Castro AF. (2010) Rheb activates AMPK and reduces p27Kip1 levels in Tsc2-null cells via mTORC1-independent mechanisms: implications for cell proliferation and tumorigenesis. *Oncogene*; 16;29(50):6543-56. PMID: 20818424
30. McConville J, Fernandes DJ, Churchill J, Dewundara S, Kogut P, Shah S, Fuchs G, Kedainis D, Bellam SK, Patel NM, McCauley J, Dulin NO, Gupta MP, Adam S, Yoneda Y, **Camoretti-Mercado B**, and Solway J. (2011) Nuclear import of Serum response Factor. *Am J Resp Cell Mol Biol*; 45(3):453-8. PMID: 21131446
31. Hofmann Bowman M, Heydemann A, Gawdzik J, Shilling RA and **Camoretti-Mercado B**. (2011) Transgenic expression of S100A12 in smooth muscle induces structural airway abnormalities and limited lung inflammation after allergic sensitization. *Clin Exp Allergy*; 41(6):878-89. PMID: 21418345
32. Ma L, Brown M, Kogut P, McConville J, Chen B, Bentley JK, Hershenson MB, Dulin N, Solway J and **Camoretti-Mercado B**. (2011) Akt activation induces hypertrophy without contractile phenotypic maturation in airway smooth muscle *Am J Physiol Lung Cell Mol Physiol*; 300(5):L701-9. PMID:21378028.
33. Chen B, Hsu R, Li Z, Kogut PC, Du Q, Rouser K, **Camoretti-Mercado B**, Ma L, and Solway J. (2012) Upstream stimulatory factor 1 (USF1) activates GATA5 expression. *Biochem J*; 446(1):89-98. PMID: 22625849
34. Schuliga M, Javeed A, Harris T, Xia Y, Qin C, Wang Z, Zhang X, Lee PV, **Camoretti-Mercado B**, and Stewart AG. (2013) TGF- β -induced differentiation of airway smooth muscle cells is inhibited by FGF-2. *Am J Resp Cell Mol Biol*; 48(3):346-53. PMID: 23239497

35. Comer BS, **Camoretti-Mercado B**, Kogut PC, Halayko AJ, Solway J and Gerthoffer WT. (2014) MicroRNA-146a and microRNA-146b expression and anti-inflammatory function in human airway smooth muscle. *Am J Physiol Lung Cell Mol Physiol*; 307(9):L727-34. doi: 10.1152/ajplung.00174.2014 PMID:25217662
36. Wang WC, Pauer SH, Smith DC, Dixon MA, Disimile DJ, Panebra A, An SS, **Camoretti-Mercado B**, and Liggett SB. (2015) Targeted transgenesis identifies $G_{\alpha s}$ as the bottleneck in β_2 -adrenengic receptor cell signaling and physiologic function in airway smooth muscle. *Am J Physiol Lung Cell Mol Physiol*; 15;307(10):L775-80. doi: 10.1152/ajplung.00209.2014. PMID:25260754. Editor's Picks
37. Comer BS, **Camoretti-Mercado B**, Kogut PC, Halayko AJ, Solway J and Gerthoffer WT. (2015) Cyclooxygenase-2 and microRNA-155 expression are elevated in asthmatic airway smooth muscle cells *Am J Respir Cell Mol Biol*; 52(4):438-47. doi: 10.1165/rcmb.2014-0129OC.PMID:25180620
38. **Camoretti-Mercado B**, Pauer S, Smith DC, Yong HM, An SS, and Liggett SB. (2015) Pleiotropic effects of bitter taste receptors on $[Ca^{2+}]_i$ mobilization, hyperpolarization, and relaxation of human airway smooth muscle cells. *PLoS One*. Jun 29;10(6):e0131582. doi: 10.1371/journal.pone.0131582. eCollection 2015. PMID:26121686
39. An Official American Thoracic Society Research Statement: Current challenges facing research and therapeutic advances in airway remodeling. (2017) Prakash YS, Halayko AJ, Gosens R, Panettieri Jr RA, **Camoretti-Mercado B**, and Penn RB. *Am J Respir Crit Care Med*; 195(2):e4-e19. doi: 10.1164/rccm.201611-2248ST. PMID: 28084822

REVIEWS AND EDITORIALS

40. # Solway J, Forsythe SM, Halayko AJ, Vieira JE, Hershenson MB, and **Camoretti-Mercado B**. (1998) Transcriptional regulation of smooth muscle contractile apparatus expression. *Am J Respir Crit Care Med*; 158:S100-108. PMID: 9817732
41. **Camoretti-Mercado B**, Dulin NO, and Solway J. (2003) Serum response factor function and dysfunction in smooth muscle. Invited review, *Respir Physiol Neurobiol*; 137:223-235. PMID: 14516728
42. # Solway J, Bellam S, Dowell M, **Camoretti-Mercado B**, Dulin N, Fernandes D, Halayko A, Kicijenewski P, Kogut P, Lakser O, Liu HW, McCauley J, McConville J, and Mitchell R. (2003) Actin dynamics: A potential integrator of smooth muscle (dys-) function and contractile apparatus gene expression in asthma. *Chest*; 123 (3 Suppl):392S-8S. PMID: 12629000
43. # Dulin NO, Fernandes DJ, Dowel M, Bellam S, McConville J, Lakser O, Mitchell RW, **Camoretti-Mercado B**, Kogut P, and Solway J. (2003) What evidence implicates airway smooth muscle in the cause of BHR? *Clin Rev Allergy Immunol*; 24(1):73-84. PMID: 12644719
44. # Bai TR, Bates JH, Brusasco V, **Camoretti-Mercado B**, Chitano P, Deng LH, Dowell M, Fabry B, Ford LE, Fredberg JJ, Gerthoffer WT, Gilbert SH, Gunst SJ, Hai CM, Halayko AJ, Hirst SJ, James AL, Janssen LJ, Jones KA, King GG, Lakser OJ, Lambert RK, Lauzon AM, Lutchen KR, Maksym GN, Meiss RA, Mijailovich SM, Mitchell HW, Mitchell RW, Mitzner W, Murphy TM, Paré PD, Schellenberg RR, Seow CY, Sieck GC, Smith PG, Smolensky AV, Solway J, Stephens NL, Stewart AG, Tang DD, Wang L. (2004) On the terminology for describing the length-force relationship and its changes in airway smooth muscle. *J Appl Physiol*; 97(6):2029-34. PMID: 15531570
45. # **Camoretti-Mercado B** and Solway J. (2005) Transforming growth factor beta-1 and disorders of the lung. *Cell Biochem. Biophys*; 43(1):131-148. PMID: 16043890
46. **Camoretti-Mercado B**, Dulin N and Julian Solway. (2005) SRF function in vascular smooth muscle: When less is more? *Circ Res*; 2;97(5):409-10. PMID: 16141114
47. **Camoretti-Mercado B**. (2009) Targeting the airway smooth muscle for asthma treatment. *Transl Res*; 154(4):165-74. PMID: 19766960. Featured Young Investigator. Article cited in Biotech Week in October 2010
48. Hershenson M, Brown M, **Camoretti-Mercado B**, Solway J. (2008) Airway Smooth Muscle in Asthma. *Annu Rev Pathol*; 3:523-55. PMID: 18039134
49. **Camoretti-Mercado B**, Karrar E, Nuñez L, and Hofmann Bowman M. (2012) S100A12 and the airway smooth muscle: Beyond inflammation and constriction. *J Allergy Therapy*; S1-007, doi 10.4172/2155-6121
50. Xia Y, Redhu NS, Moir LM, Koziol-White C, Ammit AJ, Al-Alwan L, **Camoretti-Mercado B***, Clifford RL*. (2013) Pro-inflammatory and immunomodulatory functions of airway smooth muscle: Emerging Concepts. *Pulm Pharm Therapeutics*; 26(1):64-74. doi: 10.1016/j.pupt.2012.05.006. PMID: 22634303 (* Equal contributors)
51. Gerthoffer WT, Solway J and **Camoretti-Mercado B**. (2013). Emerging targets for novel therapy of asthma. *Cur Opin Pharm*, 13(3):324-30; doi.org/10.1016/j.coph.2013.04.002. PMID:23639507

BOOK CHAPTERS

52. **Camoretti-Mercado B**, Stewart A, and Zak R. Myosin expression in developing heart. In *The Development and Regenerative Potential of Cardiac Muscle*. Ed. by J Oiberpriller; Harwood Academics Publishers, pp. 19-33, 1990

53. Zak R, **Camoretti-Mercado B**, Gupta M, Jakovcic S, Shimizu N, and Stewart A. Myofibrillar proteins in the developing heart. In: *Embryonic Origins of Defective Heart Development*. Ed. by DE Brockman and ML Kirby, The New York Academy of Sciences, NY, pp. 216-244, 1990. PMID: 2192641
54. Shimizu N, **Camoretti-Mercado B**, Jakovcic S, and Zak R. RNA transcription in heart muscle. In: *The Heart and Cardiovascular System, 2nd ed.* Ed. by HZ Fozzard, Raven Press, New York, Chapter 58, pp. 1525-1538, 1991
55. **Camoretti-Mercado B**. Genome and DNA Sequence Analysis: Two Common DNA Analysis Tools (Chapter 2). In: *"Bioinformatics: A Practical Approach"*. Ed. by S. Q. Ye, CRE Press, 2007

SELECTED PEER-REVIEWED ABSTRACTS

(Since 2007; * indicates oral presentation and / or special recognition)

1. Whitney T, Brandon M, Ma L, and **Camoretti-Mercado B**. (2007) Analysis of a LAM-derived cell transcriptome identifies similarities to other lung diseases. *J Allergy Clin Immunol 119(1):S295 Suppl 1*
2. ***Camoretti-Mercado B**, Li X, Jain S, Dewundara S, Kedia P, Henkse EP, and Solway J. (2007) Interaction between tuberin and serum response factor: Potential role in LAM. *LAM Foundation International Research Conference*
3. **Camoretti-Mercado B**, Churchill J, Cable M, Li X, Ma L, Lee CG, Elias JA, and Solway J. (2007) Lovastatin inhibits the development of airway hyperresponsiveness and remodeling induced by chronic TGF-beta exposure. *AJRCCM 175:A268*
4. *Whitney T, Brandon M, Ma L, and **Camoretti-Mercado B**. (2007) Active remodeling in LAM as revealed by Serial Analysis of Gene Expression (SAGE). *AAAS Pacific Division. Second Place Award*
5. Ogbonnaya S and **Camoretti-Mercado B**. (2007) Gene delivery by electroporation into the living mouse lung. The University of Chicago Research Opportunities Collaborative (*ROC*)
6. **Camoretti-Mercado B**, Dewundara S, Li X, Churchill J, Poon K, Cummings CT, Sandwick V, Lee CG, Elias JA, Solway J. (2008) Novel interactions between TGFβ and serum response factor networks: Implications for asthma. *Keystone Symposia: TGF-β Family in Homeostasis and Disease*
7. ***Camoretti-Mercado B**, Li X, Churchill J, Poon K, McConville J, Sandwick V, Cummings CT, Lee CG, Elias JA and Solway J. (2008) Targeting the airway smooth muscle with statins as a potential treatment for asthma. *J Investigative Medicine 56(3):624-625. Top Abstract, Mechanism of Disease*
8. Poon K, Li X, Cummings CT, Sandwick V and **Camoretti-Mercado B**. (2008) IL-10 modulates airway smooth muscle gene expression. *AJRCCM, A325*
9. *Cummings CT, Li X, Whitney T, K Poon, Ma L, Brandon M and **Camoretti-Mercado B**. (2008) The transcription factor SRF associates with tuberin, the tumor suppressor mutated in LAM. *AJRCCM, A953. Highlighted during the ATS International Conference*
10. **Camoretti-Mercado B**, Li X, Churchill J, Poon K, Cable M, McConville J, Cummings TC, Lee CG, Elias JA and Solway J. (2008) Targeting the airway smooth muscle with statins as a potential treatment for asthma. *Aspen Lung Conference*
11. Mesquitta WT and **Camoretti-Mercado B**. (2008) Nanoparticle delivery for airway remodeling: A potential vector for asthma therapy. The University of Chicago Research Opportunities Collaborative (*ROC*)
12. Nancy Fru and **Camoretti-Mercado B**. Differential gene expression in LAM (lymphangiomyomatosis)-derived cells. The Pritzker School of Medicine Experience in Research (*PSOMER*), 2008
13. *Cohn A and **Camoretti-Mercado B**. (2008) Regulation of IL-10 function in preclinical studies of asthma. The Pritzker School of Medicine, The University of Chicago. *Top award in Basic Sciences*
14. **Camoretti-Mercado B**, Cohn A, Li X, Cable M, Fru N, Poon K, Serban K, Elias JA and Solway J. (2009) Novel Interactions Between TGFβ, IL-10 and Serum Response Factor Networks: Implications for Asthma. *J. Investigative Medicine, 57(3):534*
15. * Cohn A, Li X, Fru N, Poon K, Serban K, and **Camoretti-Mercado B**. Interactions between TGF-beta, IL10, and SRF pathways in airway remodeling. *AJRCCM; 179: A5137, 2009. Travel Award*
16. Mesquitta W, Serban K, Li X, Fru N, Solway J, Nunez L, **Camoretti-Mercado B**. (2009) Efficient gene expression in airway epithelial cells using liposome-PEGylated PLGA nanoparticles. *AJRCCM, 179: A5038*
17. Cable M and **Camoretti-Mercado B**. (2012) The effects of lovastatin in preclinical asthma models are mediated by IL10. *63rd Pritzker School of Medicine Senior Scientific Session*, p. 20
18. *Robinson S, Cable M, Cohn A, Li X, A. Mosley-Brown, Arredondo M, Serban K and **Camoretti-Mercado B**. (2010) The IL-10 promoter function is inhibited by TGF beta (TGF-b) and partially rescued by statin co-treatment. *AJRCCM, 181:A2305. Travel Award*
19. *Mosley-Brown A, Li X, Poon K, Serban K, Cable M, P Kogut, and **Camoretti-Mercado B**. (2010) Localization of TGF beta (TGF-β) receptors within the nuclei of human airway smooth muscle cells. *AJRCCM, 181:A5315. Travel Award*

20. *Robinson S, Cable M, Arrendondo M, Cohn A, Li X, Mosley-Brown A, and **Camoretti-Mercado B.** (2010) The IL-10 promoter function is inhibited by TGF beta (TGF- β) and partially rescued by statin co-treatment. *SNMA Annual Medical Education Conference. Basic Sciences Winner*
21. **Camoretti-Mercado B,** Jenkins K, Mosley-Brown A, Karrar E, Morel A, Li X, Espinosa R, Kapila A, Chen B, Serban K. (2011) Nuclear localization of TGF beta (TGF β) receptors in airway mesenchymal derived cells. *AJRCCM 183:A3607*
22. Espinosa R, Karrar E, Ismail A, Mosley-Brown A, Li X, Serban K, and **Camoretti-Mercado B.** (2011) Type I and type II TGF- β receptors are present within the nuclei of human airway epithelial cells. *AJRCCM. Travel Award*
23. An SS, Levchenko A, AhnK, Kogut P, Wang R, Lee D, **Camoretti-Mercado B,** Panettier R, and Solway J. (2012) Novel physical attributes of airway smooth muscle in the pathogenesis of asthma. *AJRCCM*
24. Robinson S, Karrar E, Jayaraj N, Ismail A and **Camoretti-Mercado B.** (2012) The role of Akt1 in a mouse model of lung inflammation. *66th Pritzker School of Medicine Senior Scientific Session*
25. Singer CA, Barnett SD, Grubbs J and **Camoretti-Mercado B.** (2013) miR-25 Targeting tuberous sclerosis complex 1 (TSC1) expression in lymphangioleiomyomatosis cells, *AJRCCM 187:A2027*
26. * **Camoretti-Mercado B,** Smith D, Nefzi A, Pauer S, Shariff B, Houghten RA, Giulianotti M, and Liggett S. (2014) Positional scanning library screening of 29 million compounds for novel bitter taste receptor agonism in human airway smooth muscle cells. *AJRCCM 189; :A 3976.*
27. **Camoretti-Mercado B,** Pauer S, Smith D, and Liggett S. (2015) The endosome / lysosome compartment plays a minor role in mediating the inhibitory function of chloroquine on histamine-induced [Ca²⁺]_i increase in human airway smooth muscle cells. *AJRCCM 191:A4992*
28. Kim D, Khan A, Pauer S, Smith D, **Camoretti-Mercado B,** and Liggett S. (2015) The β_2 -adrenergic receptor chaperones bitter taste receptor 14 to the cell surface. *AJRCCM 191:A4991*
29. Cirelli A, Shariff B, and **Camoretti-Mercado B** (2015) Bitter taste receptor (TAS2R) function in human airway smooth muscle cells is partially gustducin-independent. *AJRCCM 193:A1343*
30. Dixon J, Tian Z, Teng M, Allen-Gipson D, and **Camoretti-Mercado B.** Cigarette Smoke Enhances Expression of Bitter Taste Receptors (TAS2R) in Human Airway Epithelial Cells. *AJRCCM 195:A6953*

LEADERSHIP POSITIONS

American Thoracic Society

Member, Program Committee, Respiratory Structure and Function Assembly	2001 - 2011
Chair-Elect, Program Committee, Respiratory Structure and Function Assembly	2008 - 2009
Member, Executive Committee, Respiratory Structure and Function Assembly	2008 - 2010
Member, International ATS Conference Program Committee	2008 - 2010
Chair, Program Committee, Respiratory Structure and Function Assembly	2009 - 2010
Member, International Lung Health Committee	2009 - 2010
Liaison, Respiratory Structure and Function Assembly	2009 - 2011
Member, Planning Committee, Respiratory Structure and Function Assembly	2010 -
Member, Nominating Committee, Respiratory Structure and Function Assembly	2010 - 2011
Member, Members in Training and Transition Committee	2012 - 2013
Founding Member, Science and Innovation Center	2012 -
Member, Section on Genetics & Genomics Nominating Committee	2013
Chair, Nominating Committee, Respiratory Structure and Function Assembly	2013 - 2014
Member, Executive Committee, Respiratory Structure and Function Assembly	2013 -
Chair, Assembly on Respiratory Structure and Function Assembly	2016 - 2018
Board of Directors	2016 -
Chair, PhDs Interest Working Group	2016 -
Member, Finance Compensation Subcommittee	2016 -
Member, Planning and Evaluation Committee	2017 -

Other Societies and Institutions

Liaison and Consultant for New Applicants, NIH-LAM Tissue Registry	2002 - 2007
Invited Participant, LAM Registry Steering Committee	2003 - 2007
Member Organizing Committee, American Lung Association's First Annual Women and Lung Health Conference	2004
Executive Committee Member, American Lung Association's Women and Lung Health Initiative	2005 - 2007
Member, Chicago Thoracic Society Education Committee	2005 - 2008

Member, Educational Committee, Chicago Respiratory Society	2008 - 2012
Faculty Council Member-Elect, The Bowman Society	2008 - 2009
Member, Planning Committee, Catch Your Breath Women and Lung Health Conference	2008 - 2012

PROFESSIONAL AND ADMINISTRATIVE SERVICE

STUDY SECTIONS

National Agencies

1993	Illinois State University
1997	American Heart Association
2003, 04, 07	The LAM Foundation
2006	American Lung Association
2008, 10	Respiratory Health Association of, Metropolitan Chicago
2010 - 15	American Heart Association, Lung Basic Sciences 1 Committee
2012 - 15	National Institute of Health Special Emphasis Panel ZHL1 CSR-I
2014	American Heart Association Study Section, Lung Basic Sciences 2

International Agencies

2002	Asthma Foundation of Western Australia
2006	Canadian Lung Association
2006, 09, 10	The Netherlands Asthma Foundation
2008	Canterbury Med Res Foundation, New Zealand
2010	Qatar National Research Fund
2012 - 15	NC3Rs, United Kingdom (National Centre for Replacement, Refinement and Reduction of Animals in Research)

EDITORIAL ACTIVITIES

Editorial Board

International Journal of Biological Chemistry	2006 - 2009
World Journal of Biological Chemistry	2009 - 2013
Scientifica (Allergy)	2012 -
Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine	2012 -
Frontiers in Cardiovascular Medicine	2014 -
IMpact	2017 -

Ad Hoc Reviewer

American Journal of Physiology: Cell Physiology
 American Journal of Physiology: Lung Cellular and Molecular Physiology
 American Journal of Respiratory and Critical Care Medicine
 American Journal of Respiratory Cell and Molecular Biology
 American Journal of Pathology
 Asian Journal of Biochemistry
 Biochimica Biophysica Acta
 BioTechniques
 British Journal of Medicine and Medical Research
 Cell Biochemistry and Biophysics
 Circulation Research
 Drug Target Insights
 European Respiratory Journal
 Experimental Biology and Medicine
 Frontiers in Physiology (Respiratory Physiology)
 Gene
 Gene Expression to Genetical Genomics
 Gene Regulation and Systems Biology
 Immunology and Immunogenetics Insights

Journal of COPD
 Journal of Immunology
 Journal of Inflammation
 Journal of Pathology
 Laboratory Investigation
 Libertas Academica Journals
 Microvascular Research
 Molecular Cancer
 Nature Medicine
 Oncogene
 Peptides
 Proceedings of the American Thoracic Society
 Public Library of Science (PLoS) One
 Pulmonary Pharmacology and Therapeutics
 Respiratory Research
 Science
 Trends in Cardiovascular Medicine

SERVICE

INTERNATIONAL SERVICE

Invited Chair Session: Biochemical Processes, International Conference on Recent Advances in Biomedical and Therapeutic Science, Jhansi, India	2004
Panelist, Perspective: Where to from here? 2nd New Zealand / Australian LAM Science Symposium, Auckland, New Zealand	2004
Invited Chair: Young Investigators' International Symposium, Malmo, Sweden	2005
Invited Senior Faculty: 6 th International Young Investigators' Symposium on Smooth Muscle, Sydney, Australia	2007
Member, Outstanding Science Abstract Selection Committee, 2009 ATS International Conference	2008
Organizer and co-Chair Symposium: New Perspectives on Remodeling and Physiological Consequences in COPD, ATS International Conference, Toronto, Canada	2008
Facilitator Thematic Poster Session: Signaling Pathways, ATS International Conference, Toronto	2008
Facilitator Thematic Poster Session: Lymphangiomyomatosis: Fundamental Mechanisms, ATS International Conference, Toronto, Canada	2008

NATIONAL SERVICE

American Thoracic Society

Chair, Mini-Symposium: Gene Expression in Airway Smooth Muscle, San Francisco, CA	2001
Chair, Mini-Symposium: Airway Smooth Muscle: Genes and Stress, Stress and Genes, Atlanta, GA	2002
Chair, Mini-Symposium: Airway Smooth Muscle Gene Expression, Seattle, WA	2003
Facilitator Thematic Session: Airway Remodeling, Orlando, FL	2005
Organizer and Chair, Symposium: Role of Extracellular Matrix Regulators During Pathophysiological Lung Remodeling: Implications for Therapy, San Diego, CA	2005
Chair, Mini-Symposium: ALI/ARDS: Insights into Molecular and Cellular Mechanisms, San Diego, CA	2005
Chair, Mini-Symposium: Acute Lung Injury: Mediators and Mechanisms, San Diego, CA	2005
Organizer and Chair, Symposium: New Insights into the Process of Repair, Regeneration and Remodeling of Diseased Lungs, San Diego, CA	2006
Organizer and co-Chair, Symposium: Biology of Lung Remodeling in COPD, San Francisco, CA	2007
Facilitator, Thematic Poster Session: Lymphangiomyomatosis, San Francisco, CA	2007
Organizer and Chair, Symposium: Molecular and Cellular Aspects of Remodeling and Consequences in Chronic Airway Diseases, San Diego, CA	2009
Facilitator, Thematic Poster Session: New Findings in Lymphangiomyomatosis, San Diego, CA	2009
Joined Symposium Organizer: A Tale of Two Cities: Remodeling in Lung Vasculature and Airway, San Diego, CA	2009

Organizer and Chair, Breakthroughs Scientific Symposium: Stem Cell Biology and Regenerative Medicine, New Orleans, LA <i>Feature article in the ATS Daily Bulletin, first edition, May 16, 2011 Ascend Media</i>	2010
Organizer and Chair, Symposium State-of-the-Science in Repair, Regeneration, and Remodeling of the Diseased Lung: What do We Really Know?, New Orleans, LA	2010
Chair, Mini-Symposium: New Discoveries in Mechanisms of Lung Disease: Late Breaking Abstracts, New Orleans, LA	2010
Chair, Mini-Symposium: Breaking Down the Wall: Novel Insights in Airway Wall Remodeling, New Orleans, LA	2010
Organizer and Chair, Symposium: Mechanisms and Advances in Therapy of COPD, Denver, CO	2011
Facilitator, Thematic Poser Session, Crazy Muscles: Airway and lymphatic smooth muscle and lymphangioleiomyomatosis (LAM), Denver, CO	2011
Chair, Mini-Symposium: Modeling and Remodeling: How disease affects airways, San Francisco	2012
Facilitator, Thematic Poster Session: Lung Tissue Remodeling: Airways and Parenchyma, Philadelphia, PA	2013
Organizer and Chair, Symposium: Pathogenesis and Treatment of Obstructive Lung Diseases: New Insights, San Francisco, CA	2016
Chair, Poster Discussion Session: Mechanisms of Airway Smooth Muscle Contractility and Relaxation: Potential Therapeutic Targets, Washington, DC	2017
Hostess and Moderator, Women's Forum Luncheon, Washington, DC	2017
Luncheon Organizer and Speaker, The ATS PhD Working Group: An update, Washington DC	2017

Other Organizations

Chair, Airway Smooth Muscle in Pulmonary Pathophysiology Symposium, University of Manitoba, Winnipeg, Canada	2000
Chair, Session, Hormonal Control of Smooth Muscle Proliferation, LAM Symposium, Cincinnati, OH	2002
Chair, Young Investigators' International Symposium, Duke University, Durham, NC	2002
Chair Session, Young Investigators' International Symposium, Vancouver, Canada	2003
Chair: Astra Zeneca 4th Young Investigators' International Symposium on Airway Smooth Muscle, Epithelium and Inflammation, Duke University, Durham, NC	2004
Panelist, Scientific Sessions Overview, LAM Symposium, Cincinnati, OH	2004
Organizer and co-Moderator, Merck Roundtable: The Extracellular Matrix of the Lung, San Diego, CA	2005
Organizer and co-Moderator, Merck Roundtable: The Repair, Regeneration and Remodeling of Diseased Lungs, San Diego, CA	2006
Organizer and co-Moderator, Merck Roundtable, Functional and Structural Consequences of Airway Remodeling in Lung Diseases, San Francisco, CA	2007
Chair Session, Regulation of Cell Proliferation, LAM Foundation International Research Conference, Cincinnati, OH	2007
Chair, Subcommittee on Education, American Lung Association's Annual Women and Lung Health "Catch Your Breath" Conference	2007
Organizer and co-Moderator, Merck Roundtable, Chronic Diseases of the Lung: Remodeling, Infection, Repair, and Aging, Toronto, Canada	2008
Abstract Reviewer, Clinical and Translational Research and Education Meeting, Association for Clinical Research Training	2011
Chair, Poster Session 7th International Young Investigators' Symposium on Smooth Muscle, University of Manitoba, Winnipeg, Canada	2011
Speaker and Panelist, Annual McKnight Fellows Meeting and Graduate School Conference, Florida Education Fund, Tampa, FL	2015
Faculty and Speaker, McKnight Doctoral Mid-Year Research and Writing Conference, Florida Education Fund, Safety Harbor, FL	2016

UNIVERSITY SERVICE**University of Chicago Department of Medicine**

1997 - 2000	Interviewer, Pulmonary Fellows, Section of Pulmonary and Critical Care Medicine
2000	Interviewer, Medical Residents, Internal Medicine
2006	Member, Faculty Search Committee, Section of Dermatology
2007	Member, Search Committee for Minority Faculty Candidates, Section of Cardiology
2007 - 2008	Member, Department of Medicine Research Day Organizing Committee
2009	Chair, Department of Medicine Research Day Organizing Committee
2007 - 2012	Member, Diversity Committee
2009 - 2012	Member, Department of Medicine Women's Committee
2010	Member, Medical Student Mentorship Forum, Department of Medicine Women's Committee

University of Chicago Pritzker School of Medicine

2006	Judge, Oral Presentations, Summer Research Program
2007, 09	Interviewer, Medical Students Applicants
2008	Judge, Oral Presentations, Pritzker School of Medicine Experience in Research (PSOMER) and the Research Opportunities Collaborative (ROC)
2009	Group Leader, Oncology Cluster, Summer Research Program (Mentored seven students)
2010	Group Leader, Immunology Cluster Leader, Summer Research Program (Mentored nine students)
2010	Chair, Immunology and Molecular and Cell Biology Session, Summer Research Program
2011	Steering Committee Member, Summer Research Program
2011	Preceptor, Cross Cultural Communication Module
2011	Chair, Cell Response to Stress Session, Summer Research Program

University of Chicago Biological Sciences Division

2001 - 2005	Interviewer, Medical School Applicants
2004 - 2009	Member, Seminar Organizing Committee, Committee on Molecular Medicine
2005 - 2008	Interviewer, Pediatric Fellows Applicants
2007 - 2009	Member, Organizer Committee CTSA Biological Translational Research Workshop Series, Institute for Translational Medicine
2008	Acting Chair, CTSA Biological Translational Research Workshops Organizing Committee, Institute for Translational Medicine
2009	Panelist, Research and Medicine, Mini Medical School and Biomedical Research Day, The Biological Sciences Division
2009 - 2010	Chair, CTSA Biological Translational Research Workshops Organizing Committee, Institute for Translational Medicine
2010	Nominee, Dean's Faculty Advisory Committee
2011	Reviewer, Huggins Research Symposium abstracts
2011 - 2012	Chair, Seminar Organizing Committee, Institute for Integrative Physiology

University of South Florida

2014	Judge, USF Health Research Day
2015	Judge, USF Health Research Day
2016	Judge and Team Leader, USF Health Research Day
2016 (Sept.)	Allergy and Immunology Representative, Department Internal Medicine Division Directors Meeting
2017	Judge and Team Leader, USF Health Research Day

COMMUNITY SERVICE

1988	Speaker, Health and Wellbeing, Head Start Program, Chicago, IL
1989	Speaker, Wild About Science, the American Heart Association, Chicago, IL
1989 - 1992	Member, Calvert House Council, Chicago, Illinois
1991	Nominee, People-to-People International Visitation to China, United States Representative (Declined)
1996 - 1998	Member, School Board, Parent Co-op for Early Learning, Chicago, Illinois

2004	Laboratory Host and Lecturer for 5 th Graders: Tools and Projects in a Molecular Biology Lab, The University of Chicago Laboratory School, Chicago, IL
2005	Laboratory Host and Lecturer for 8 th Graders: What do Researchers do at The University of Chicago? Saint Thomas the Apostle School, Chicago, IL
2007	Mentor, David Tong 7 th Grader, William B. Ogden Elementary Chicago Public School, Chicago, IL
2008	Judge, Basic Science Research Projects, Chicago Thoracic Society Scientific Abstract Session, Chicago, IL
2012	Speaker, A Journey of Learning, Discovery, Teaching, and Service. The LAM Foundation Board of Directors, Cincinnati, OH
2017	ATS Leader, Lung Disease Week at the ATS (http://www.thoracic.org/patients/lung-disease-week/)

ORAL PRESENTATIONS

International and National Conferences

Pyrrolooxxygenases in genetically defined corn seeding. IV Panamerican Congress of Biochemistry, Buenos Aires, Argentina	1984
Primordial myosin heavy chain expression in chicken injured skeletal muscle. First World Congress in Molecular and Cellular Biology, Paris, France	1991
A novel mechanism for the regulation of smooth muscle-specific gene expression. Young Investigators' International Symposium, Winnipeg, Canada	2000
Specific inhibition of smooth muscle transcriptional activity by lovastatin. LAM Foundation Symposium, Cincinnati, OH	2000
Control of smooth muscle gene expression by tuberin and hamartin, Young Investigators' International Symposium. Duke University, Durham, NC	2001
Over-expression of tuberin regulates promoter activity of the key enzyme in the mevalonate pathway in airway smooth muscle cells. LAM Symposium, Cincinnati, OH	2002
Bronchial gene expression in asthma and bronchial hyperresponsiveness. Recent Advances in Therapy of Asthma Session. International Conference on Recent Advances in Biomedical and Therapeutic Science, Jhansi, India	2004
Molecular mechanisms underlying pulmonary fibrosis: New targets for therapy. Therapy and management of chronic obstructive pulmonary disease (COPD) session. International Conference on Recent Advances in Biomedical and Therapeutic Science, Jhansi, India	2004
Control of smooth muscle gene expression by tuberin and hamartin. The 2 nd New Zealand / Australian LAM Science Symposium, Auckland, New Zealand	2004
Smad7 over-expression inhibits SRF-dependent transcriptional activity in airway smooth muscle cells. The AstraZeneca 4th Young Investigators' International Symposium on Airway Smooth Muscle, Epithelium and Inflammation, Durham, NC	2004
Tuberin and hamartin modulate transcriptional activity via SRF-dependent pathway. LAM Foundation Symposium, Cincinnati, OH	2005
Novel interactions between TGF β and serum response factor networks: Implications for asthma. Aspen Lung Conference: Immunologic Diseases of the Lung. Aspen, CO	2006
Signaling pathways in remodeling. International Symposium on Recent Advances in Asthma Pathogenesis, St. John, Antigua	2006
Transcriptional function of TSC gene products. New Zealand / Australian LAM Science Symposium, Sydney, Australia	2006
Interaction between tuberin and serum response factor: Potential role in LAM. The LAM Foundation International Research Conference, Cincinnati, OH	2007
<i>Keynote Speaker</i> : Personalizing Respiratory Health in the Genomic Era. Catch Your Breath Women and Lung Health Conference, Respiratory Health Association of Metropolitan Chicago and the Chicago Medical Society, Chicago, IL	2008
Modulation of tuberin and serum response factor association by TGF β . The LAM Foundation/NIH International Research Conference, Cincinnati, OH	2008
The 11 th Annual Meakins-Christie Workshop on Asthma and COPD, McGill University, Canada (Declined because of conflict with Keystone Symposium)	2008
World Conference on Magic Bullets, Nurnberg, Germany (Declined)	2008
BIT Life Sciences' 3 rd Annual World Congress of Gene, Foshan, China (Declined)	2009

New insights into the pathogenesis of LAM disease, the Woolcock Institute of Medical Research, The University of Sydney, Australia 2014

Bitter taste receptors: New targets for obstructive lung diseases, Florida Drug Discovery Acceleration Program Conference, Torrey Pines Institute for Molecular Studies, Port St. Lucie, FL 2015

American Thoracic Society International Conferences

Structure, expression, and cytogenetic localization of the human SM22 gene, Chicago, IL 1998

TGF- β 1 increases SM22 promoter activity in serum-deprived canine tracheal smooth muscle cells, San Diego, CA 1999

TGF- β 1 stimulates SM22 promoter activity in serum deprived canine tracheal smooth muscle cells through SRF-dependent and SRF-independent mechanisms, Toronto, Canada 2000

The remodeled lung: Perspectives and prospective, role of extracellular matrix regulators during pathophysiological lung remodeling: Implications for therapy, San Diego, CA 2005

The positive regulator of smooth muscle gene expression, serum response factor (SRF), interacts with the TGF β signaling inhibitor Smad7, San Diego, CA 2005

Tuberin and hamartin modulate transcriptional function in airway smooth muscle cells through SRF-dependent manner. Clinical and Fundamental Mechanisms in LAM: New Advances, San Diego, CA 2006

Mice overexpressing TGF β 1 in lung epithelium exhibit abnormal airway mechanics. Smooth muscle in airway remodeling and hyperresponsiveness, San Diego, CA 2006

Making and re-making the lung: New insights into the process of repair, regeneration and remodeling of diseased lungs, San Diego, CA 2006

Interactions between TGF β 1, IL-10, and SRF pathways in airway remodeling, San Diego, CA 2009

Effects of statins on airway structure and function, New Frontiers in Asthma Therapy Symposium, New Orleans, LA 2010

Advances in COPD therapy in the age of personalized medicine: Mechanisms and advances in therapy of COPD Symposium, Denver CO 2011

Positional scanning library screening of 29 million compounds for novel bitter taste receptor agonism in human airway smooth muscle cells, San Diego, CA 2013

National and International Academic Institutions

Regulation of rat alpha-fetoprotein gene in three transgenic mice lines. Department of Biochemistry, University of Buenos Aires, Argentina 1987

Transgenic animals: A powerful genetic tool to study expression of any cloned gene within the whole animal. Dept of Plant Biology, Univ.of Buenos Aires, Argentina. (Delivered in Spanish) 1987

The adult ventricular isoform of chicken myosin heavy chain is transiently expressed in differentiating skeletal muscles. University of Buenos Aires, Argentina 1990

Inhibition of smooth muscle contraction by expression of SH-1 peptides. Finch University of Health Sciences, The Chicago Medical School, IL 1997

Novel approaches to treat smooth muscle spasms with synthetic SH-1 peptides. Department of Surgery The University of Chicago, Chicago, IL 1999

Transcriptional regulation of smooth muscle gene expression by TGF β . Department of Medicine The University of Chicago, Chicago, IL 2000

Transcriptional and post-transcriptional regulation of smooth muscle markers in non-contractile and contractile airway myocytes. University of Buenos Aires, Argentina 2001

Controlled expression of smooth muscle specific genes by regulation of serum response factor localization. Department of Biochemistry, University of Buenos Aires, Argentina 2001

Molecular phenotype of airway smooth muscle during asthma. Erasmus University, Rotterdam, The Netherlands (Cancelled due to September 11) 2001

Gene regulation in the lung: Novel roles of resident cells, inflammatory mediators and transcription factors in health and disease. Pediatrics Research Rounds, University of Manitoba, Canada 2003

TGF β signaling in smooth muscle cells: Novel interactions between Smads and SRF. Department of Medicine, The University of Chicago, Chicago, IL 2004

TGF β and lung function in a mouse model of lung inflammation. Department of Pharmacology, Erasmus University, The Netherlands 2005

Inhibition of TGF β -enhanced SRF-dependent transcriptional activity by Smad7. Department of Medicine, The University of Chicago, Chicago, IL	2005
Novel interactions between the serum response factor and the TGF β signaling pathway. Department of Biochemistry, University of Buenos Aires, Argentina	2005
Smooth muscle, TGF β , gene expression and diseases of the lung. AllStart Series, Biomedical Sciences Cluster, The University of Chicago, Chicago, IL	2005,07,10,11
Nuevas herramientas para estudiar expresion genica, Department of Plant Biology, University of Buenos Aires, Argentina. (Delivered in Spanish)	2005
Smooth muscle in pulmonary diseases: Pathobiologic and molecular mechanisms. Committee on Molecular Medicine, The University of Chicago, Chicago, IL	2005
The role of TGF beta in airway hyperresponsiveness. Department of Pharmacology and Respiratory Research Group, University of Sydney, Sydney, Australia	2006
Abnormalities in transgenic mice expressing human TGF β 1 in the lung. Departments of Medicine, Physiology and Biophysics, University of Illinois at Chicago, IL	2006
Regulation of smooth muscle gene expression by the small G-protein Rheb. Department of Surgery University of California at San Francisco, CA	2007
Common drugs for commons diseases: Statins and lung disorders. Department of Pharmacology, Rush University Medical Center, Chicago, IL	2008
Statin therapy for severe asthma? Institute for Molecular Medicine. The University of Chicago, Chicago, IL	2008
The Human Genome Project: Challenges, opportunities, and promises. Grand Rounds, Department of Obstetrics and Gynecology	2009
Smooth muscle and TGF β , and diseases of the lung. The 2010 Biomedical Sciences Cluster Retreat The University of Chicago, Chicago, IL	2010
Translational research in lung biology: Transcription factors, inflammatory mediators, resident cells, and therapeutics. Department of Pediatrics, University of Illinois at Chicago, IL	2010
Role of IL-10 in mediating the effects of statin in preclinical models of lung remodeling. Department of Medicine, The University of Chicago, Chicago, IL	2010
Translational research in airway smooth muscle physiology and structure. Department of Cellular and Integrative Physiology, Indiana University School of Medicine, Indianapolis, IN	2012
Airway smooth muscle and inflammation: Beyond contraction. Department of Medicine, The University of Chicago, Chicago, IL	2012
Immunomodulatory function of airway smooth muscle: Beyond contraction. Department of Medicine, University of Illinois at Chicago, IL	2012
Airway smooth muscle and inflammation: Beyond contraction. Department of Internal Medicine, Morsani College of Medicine, University of South Florida, FL	2012
Novel role of smooth muscle in the immune response. Signature Interdisciplinary Program in Allergy, Immunology and Infectious Diseases, USF Health, Morsani College of Medicine, University of South Florida, FL	2013
Airway smooth muscle and inflammation: Beyond contraction. The Joy McCann Culverhouse Airway Disease Research Conference, Morsani College of Medicine, University of South Florida, FL	2013
Novel role of smooth muscle in the immune response. Signature Interdisciplinary Program in Allergy, Immunology and Infectious Diseases. USF Health, Morsani College of Medicine, University of South Florida, FL	2013
Serum response factor associates with tuberin, the tumor suppressor mutated in LAM, Current Topics in Pathology and Cell Biology, Department of Pathology and Cell Biology, Morsani College of Medicine, University of South Florida, FL	2013
Complex functional interactions of bitter taste receptors, J. Byrd Alzheimer's Institute, University of South Florida, FL	2014
Searching for new bronchodilators: Functional interactions between bitter taste receptors and pro-contractile GPCRs. The Joy McCann Culverhouse Airway Disease Research Conference, Morsani College of Medicine, University of South Florida, FL	2014
Searching for new bronchodilators: Functional interactions between bitter taste receptors and pro-contractile GPCRs. CES University, Medellin, Colombia	2015
A new pathway for bronchodilation in asthma treatment. Division of Allergy and immunology, Department of Internal Medicine, Morsani College of Medicine, University of South Florida, FL	2015

Pathogenesis, pathophysiology and treatment of asthma. Division of Allergy and immunology, Department of Internal Medicine, Morsani College of Medicine, University of South Florida, FL	2016
Airway remodeling: New insights. Literature Review, Division of Allergy and Immunology, Department of Internal Medicine, Morsani College of Medicine, University of South Florida, FL	2017
Asthma: Pathophysiology, Pathogenesis, and Treatment. Internal Medicine Grand Rounds, Orlando Health, Orlando, FL	2017

TEACHING RESPONSIBILITIES

LECTURES AND COURSES

1976 - 1981	Teaching Assistant, Department of Physics and Mathematics, University of Buenos Aires, Argentina (Audience: 80 First and Second Year Students/year)
1981 - 1986	Teaching Associate, Department of Biological Chemistry, University of Buenos Aires, Argentina (Audience: 40 Senior Students/year)
1991 - 1994	Lecturer, Molecular Physiology, Committee on Cell Physiology, The University of Chicago (Audience: 15 - 20 Graduate Students/quarter)
2002	Lecturer, Sunrise Seminar: Profiling Gene Expression in the Lung: What is Next? American Thoracic Society International Conference (Audience: 30 Professional attendees from academia, industry and government)
2003	Lecturer, Animal Models for Human Diseases, Committee on Immunology, The University of Chicago (Audience: 30 Graduate Students)
2003 - 2007	Lecturer, Meet the Professor Seminar: New Tools for Studying Gene Expression in the Lung. American Thoracic Society International Conference (Audience: 30 Professional attendees from academia, industry and government)
2004 – 2010	Medical Student Summer Research Program. 10-week program sponsored by the Biological Sciences Division at The University of Chicago on Basic, Clinical, and Translational Research, and Educational and Global Health (1-2 Second Year Medical School Students/year)
2004 - 2012	Lecturer, Scientific Integrity and the Ethical Conduct of Research: The Human Genome Project and its Ethical Consequences. Department of Medicine and Committee on Molecular Medicine, The University of Chicago (Audience: 8 - 15 Students, faculty, staff, and other professionals/quarter)
2007 – 2011	Premedical Research Opportunities Collaborative Program. 8-week program sponsored by Department of Medicine Office of Diversity and the Biological Sciences Division at The University of Chicago on basic, clinical, and translational research (1-2 Undergraduate Underrepresented Minority Students/year)
2007 - 2012	Lecturer, Signaling Transduction in Tuberos Sclerosis, Department of Neurology, The University of Chicago (Audience 10 - 20 Graduate and Undergraduate Students /quarter)
2008	Lecturer, Lung Genetics and Genomics K12 Course: Preclinical and Clinical Studies, Dept. of Medicine, The University of Chicago (Audience: 8 students)
2009	Organizer and Co-chair Post-Graduate Course, Systems Biology for Lung Disease: A Genomics Tool Box in Action, American Thoracic Society International Conference, San Diego, CA (Audience: 150 Professional attendees from academia, industry and government)
2009	Lecturer, Sunrise Seminar: Gene Expression Analysis in the Lung. American Thoracic Society International Conference (Audience 30 Professional attendees from academia, industry and government)
2010 – 2011	Scholarship and Discovery, MEDC 30010. University of Chicago (Discussant, 13 Second Year Medical Students)
2010 – 2011	Chicago Partnership for Research and Training in Health Disparities, University of Chicago (1 Undergraduate Underrepresented Minority Student)
2010 - 2012	Co-Director and Lecturer, Cells, Molecules and Genes (required course for all First Year Medical Students), Pritzker School of Medicine, The University of Chicago (Audience: 100 First Year Medical Students /year)
2011 - 2012	Director, Scientific Integrity and the Ethical Conduct of Research, The University of Chicago (Audience 8- 15 Students, faculty, staff, and other professionals/quarter)
2012 -	Leader, Science and Innovation Center, American Thoracic Society International Conference

- 2014 Group Leader, Evidence Based Clinical Reasoning II (BMS 6837)
(Audience: 9 Second Year Medical Students)
- 2015 Group Leader, Evidence Based Clinical Reasoning I (BMS 6836)
(Audience: 8 First Year Medical Students, SELECT Program students)
- 2015 Group Leader, Evidence Based Clinical Reasoning II (BMS 6837)
(Audience: 8 Second Year Medical Students)
- 2016 Group Leader, Evidence Based Clinical Reasoning II (BMS 6837)
(Audience: 9 Second Year Medical Students)

PROFESSIONAL SOCIETIES MEMBERSHIP

- 1986 - 2008 American Association for the Advance of Science
- 1988 - 2005 American Heart Association, Basic Science Council
- 1995 - American Thoracic Society
- 1998 - 2008 Chicago Thoracic Society
- 2000 - 2007 New York Academy of Sciences
- 2003 - Proteome Society
- 2006 - 2010 American Society for Biochemistry and Molecular Biology
- 2006 - The Bowman Society
- 2008 - 2013 Chicago Respiratory Society
- 2010 - Central Society for Clinical Research
- 2010 - Society for Clinical and Translational Science

SUPERVISION AND MENTORSHIP

Thesis Committee

- Alan Boruk (PhD Student Advisor), Department of Pharmacology, University of Chicago 1997 - 1998
- Pawel Z. Kocieniewski (Honors Thesis Advisor) 2000 - 2001
 Effects of lovastatin on the smooth muscle specific gene transcription and serum response factor localization in cultured canine airway smooth muscle cell
- Samantha Dewundara (Honors Thesis Advisor) 2003 - 2004
 Inhibition of TGF β 1-enhanced SRF-dependent transcriptional activity by Smad7
- Xiaoqing 'Bonnie' Li (Honors Thesis Advisor) 2008 - 2009
 Intracellular localization of TGF beta receptors in human airway smooth muscle cells
- Lina Maria Salazar Peláez (Ph.D. Student), CES University School of Sciences, 2011 - 2015
 Medellin, Colombia
 International Judge
- Patrick Ng (Ph.D. Student), Woolcock Institute of Medical Research, University of Sydney, 2013
 Sydney, Australia
 International Examiner
- Atif Kahn (Honors Thesis Advisor) 2013 - 2014
 Improving the localization of TAS2R to the cell membrane of HEK293T cells in an effort to treat asthma

Junior Faculty

- Woo-Jung Song, MD, Clinical Assistant Professor, Division of Allergy and Clinical Immunology 2014 -
 Seoul National University College of Medicine
 (ATS Mentorship Program)
- Rajeev Bhatia, MD, Pediatric Pulmonologist, Medical Director, Clinical Exercise Physiology Lab 2016 -
 Assistant Professor of Pediatrics, Northeast Ohio Medical University
 (ATS Mentorship Program)
- Kambeiz H. Benam, PhD, Assistant Professor; University of Colorado, Denver School of Medicine 2017 -
 (ATS Mentorship Program)

Postdoctoral Fellows (* Current position)

Joaquim E. Vieira, MD, PhD, Postdoctoral Fellow (*Collaborator Professor, Internal Medicine Department, University of São Paulo; Secretary for the Center for the Development of Medical Education; Research Associate, Experimental Therapeutics Laboratory School of Medicine, University of Sao Paulo, Brazil) Smooth muscle gene expression	1996 - 1998
Andrew J. Halayko, PhD, Postdoctoral Fellow (*Professor, University of Manitoba) Control of airway smooth muscle phenotype	1996 - 1999
Yiping Fu, MD, Postdoctoral Fellow (*Private Practice of Pulmonary, Chicago Metropolitan Area) Function of SM22 protein in smooth muscle	1998 - 2000
Yimin Qin, MD, Postdoctoral Fellow (* Director, Global Medical Affairs, Baxalta US, Inc.) NF-κB transactivation in human eosinophils by TNF stimulation	1998 - 2001
Hong Wei Liu, MD, Postdoctoral Fellow (*Registered Clinical Assistant, Manitoba Health Science Center) Regulated nuclear translocation of serum response factor	1998 - 2000
John McConville, MD. Postdoctoral Fellow (*Associate Professor of Medicine, University of Chicago) Nuclear trafficking of SRF in airway smooth muscle	1999 - 2001
Shashi Bellam, MD, Postdoctoral Fellow (*Associate Professor of Medicine, Northwestern University) Airway smooth muscle protein accumulation	2000 - 2002
Darren Fernandes, Ph.D. Postdoctoral Fellow (* Physician, University of Melbourne, Australia) Nuclear trafficking of SRF in airway smooth muscle	2000 - 2002
Melanie Brown, MD, Postdoctoral Fellow (*Assistant Professor of Pediatrics, University of Chicago) Insulin signaling and airway smooth muscle hypertrophy studied in vivo	2002 - 2004
Nina M. Patel, MD, Postdoctoral Fellow (*Assistant Professor of Medicine, Columbia University) Transcriptional regulation of HLA-G	2002 - 2004
Bohao Chen, MD, Research Fellow (* Research Associate /Associate Prof., University of Chicago) Airway smooth muscle plasticity in vivo; Role of GATA5 in smooth muscle transcription	2002 - 2005
Lisa Abston, PhD, Postdoctoral Fellow (* Director, Office of Pre-Medical Education, Chicago State University) Novel probes for molecular imaging in vivo	2005 - 2007
Lan Ma, MD, MS, Research Fellow (*Research Professional, University of Chicago) Akt1-induced airway smooth muscle hypertrophy	2006 - 2008
Karina Serban, MD, Medical Resident Visitor, Rosalind Franklin University of Medicine and Science (*Assistant Professor, Pulmonary Critical Care, University of Colorado, Denver, CO) IL10 signaling pathway in airway smooth muscle cells	Fall 2008
Gene expression in Airway Epithelial Cells Using Liposome-Nanoparticle Complexes (<i>Resident Travel Award, American Thoracic Society 2009 International Conference</i>)	Fall 2009
(<i>Travel Award, American Thoracic Society 2010 International Conference</i>)	2009
	2010
Ausama Ismail, MD (*Resident, University of Indianapolis) Lung function in Akt1-deficient mice	2011 - 2012
Amanda Croasdell (University of Rochester School of Medicine and Dentistry, Rochester, NY (ATS Mentorship Program) Conference Participants, 10th Young Investigators Meeting on Smooth Muscle in Airways & Vascular Disease, Thomas Jefferson University Philadelphia, PA	2016 - 2017
Christopher Pascoe, PhD, Postdoctoral Fellow, University of Manitoba (ATS Mentorship Program)	2017 -

Medical School Students**The Pritzker School of Medicine Summer Research Program (Current institution)**

Prashant Kedia, MD Effect of tuberlin on smooth muscle gene transcription	2004
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Mathew Cable, MD (Orthopedics Surgery, Henry Ford Hospital, Detroit) Effect of statins on lung function in experimental asthma (*First Grand Prize Award, "Joseph B. Kirsner Award for Excellence")	2006
Kenneth Poon, MD (Columbia University) Modulation of airway smooth muscle gene expression by cytokines: Effects on Smad7	2007
Aaron Cohn, MD (University of Chicago) Regulation of IL-10 function in preclinical studies of asthma (* Excellence Award in Scientific Quality, Content and Ability to Respond to Questions in the Performance of Research in Basic Science)	2008
Melissa Arredondo, MD (University of Chicago) Role of the tumor suppressor tuberin in smooth muscle gene expression	2009
Sylvia Robinson, MD (Rush University Medical Center at Chicago) Modulation of IL-10 expression in asthma models (Minority Trainee Travel Award, American Thoracic Society)	2009
	2010
	2010
Atul Kapila, MD (Fellow, Duke University Hospital) Regulation of IL-10 gene expression in pre-clinical models of asthma	2010

Other Programs

Sangeeta Jain, Ohio State University The role of the small G-protein Rheb on smooth muscle transcription	2006
Mathew Cable, MD, Calvin Fentress Fellowship Award The effects of lovastatin in preclinical asthma models are mediated by IL10	2008 - 2009
Sylvia Robinson, MD, Calvin Fentress Fellowship Award Function of Akt1 in a mouse model of lung inflammation	2011 - 2012
Nirupa Jayaraj, MS, Illinois Institute of Technology Gene expression in the lungs of Akt1-deficient mice	2011 - 2012
Bindu Muralidharan, Illinois Institute of Technology Respiratory function in Akt1-deficient mice	2012
Jendayi Dixon, MS, College of Pharmacy, Conference participants Expression of TAS2R in airway epithelial cells	2016 -
Conference Participants, 10th Young Investigators Meeting on Smooth Muscle in Airways & Vascular Disease, Thomas Jefferson University Philadelphia, PA	2017

Graduate Students

Rachel Foong, (PhD Student), Telethon Kids Institute, Australia (ATS Mentorship Program)	2013-2014
Perna Malaney, B.Pharm./M.S (Ph.D. Student, University of South Florida)	2013 -
Jaymin Kathiriya (Ph.D. Student), University of South Florida	2014 -
Laura Hamel (PhD Student), University of South Florida)	2015
Jennie Ong (PhD Student), University of Groningen, The Netherlands (ATS Mentorship Program)	2016 -

Undergraduate Students

Prya Gupta (*Duke University) Expression of hamartin in airway smooth muscle	2005
Sandra Ogonnaya (Illinois Institute of Technology), Research Opportunities Collaborative Gene therapy in mouse remodeled lung: Expression of Smad7 by electroporation delivery (First Place for Best Paper)	2007
Terrell C. Cummings (University of Florida), The Pritzker School of Medicine Experience in Research Association of serum response factor with tuberin: implications for diseases of the lung (Abstract highlighted during the ATS Conference)	2007
Nancy Fru (Northwestern University), The Pritzker School of Medicine Experience in Research Gene profiling in LAM disease	2008

Walatta-Tseyon Mesquitta (Illinois Institute of Technology), Research Opportunities Collaborative Nanoparticle delivery for airway remodeling (<i>First Place Award for Best Paper</i>)	2008
Adenike Mosley-Brown (Wilberforce University, Ohio), Pritzker School of Medicine Experience in Research. Nuclear Localization of TGF β Receptors in Human Airway Smooth Muscle Cells	2009
Robyn Espinosa (Chicago State University), Chicago Partnership for Research and Training in Health Disparities Localization of TGF β receptors in normal and asthmatic human lung mesenchymal cells (<i>Minority Travel Award 2012 American Thoracic Society</i>)	2010 - 2011
Alison Morel, Pos-baccalaureate Res. Education Program (*Graduate student, Rutgers University, NJ) Regulation of IL-10 gene expression in airway epithelial cells	2010 - 2011
Camille Cross (University of Maryland), The Pritzker School of Medicine Experience in Research Regulation of IL-10 promoter activity by TGF- β and statin in human airway epithelial cells: Implications for asthma	2011
Bushra Shariff (University of South Florida) Expression of GPCRs in cultured human airway smooth muscle cells	2012 - 2014

High School and Elementary School Students (Since 2005)

Mary Beth Josephs, Sophomore, The University of Chicago Laboratory School Expression of hamartin in airway smooth muscle	2005
Monica Del Torral, Sophomore, Virginia State High School. Expression of integrins in smooth muscle cells	2006
Monica Del Torral, Junior, Virginia State High School. Effect of statins on smooth muscle gene expression	2007
Van Sandwick, Senior, The University of Chicago Laboratory School Expression of integrins in mouse tissues	2007
David Tong, 7 th Grade, Effect of ethanol and sucrose on E. coli growth Chicago Public School Science Fair	2007
<i>Illinois State Science Fair (*Gold Medalist)</i>	2008
<i>Regional Science Fair (*Winner)</i>	2008
<i>Chicago Public School District Competition (*Gold Medal)</i>	2008
Kendra Jenkins, Junior King College Prep High School (Chicago), Young Scientist Training Program Nuclear localization of TGF β receptors in airway smooth muscle cells and lung fibroblasts	2010
Leti Nunez, Senior, Illinois Mathematics and Science Academy, Aurora, IL (Current Undergraduate student, University of Rochester, NY) The role of IL10 in lung mesenchymal cell survival	2011
Ryan Shuster, Junior, Carl Sandburg High School, IL Functional and Structural Alterations a Transgenic Mice Model of Lung Remodeling	2011
Madison Dixon (International Baccalaureate, Robinson High School, Tampa, Florida) Modulation of calcium flux by bitter tastants	2013

FEATURED IN OTHER PUBLICATIONS AND MEDIA NETWORKS

1992	Who's Who in Science and Engineering, First Edition
1994	Who's Who in the Midwest, 24 th Edition
2002-	Home webpage of the Respiratory Health Association of Metropolitan Chicago (http://www.lungchicago.org)
2008	The LAM Foundation "Currents" newsletter, October 2008. Article on Catch Your Breath Women and Lung Health Conference Keynote Presentation
2009	Respiratory Therapeutics Week, November 16, 2009. Research on asthma discussed by B. Camorettimercado and co-researchers (http://www.highbeam.com/doc/1G1-211901263.html)

- 2010 Biotech Week, October 27, 2010. Research conducted at University of Chicago has updated our knowledge about asthma (<http://business.highbeam.com/408970/article-1G1-240299395/research-conducted-university-chicago-has-updated-our>)
- 2012 ATS Daily Bulletin preview edition, “ATS 2012 filled with opportunities for networking”
- 2012 ATS Daily Bulletin May 20, 2012 print edition, “Science and Innovation Center: A Meeting Ground for Like Minds”
- 2015 RENATA (Advanced Technology National Academic Network), “Searching for new bronchodilators: Functional interactions between bitter taste receptors and pro-contractile GPCRs”, February 2015. Live broadcasting to all linked universities in Colombia. https://www.youtube.com/watch?v=U_AWxYSU2WY&feature=youtu.be
- 2016 The Assembly on Respiratory Structure & Function Website of the American Thoracic Society <http://www.thoracic.org/members/assemblies/assemblies/rsf/index.php>
- 2016 Brexit and Its Impact on Research in Academia. A podcast from the Assembly on Respiratory Structure & Function. <http://www.thoracic.org/about/ats-podcasts/brexit-and-its-impact-on-research-in-academia.php>
- 2016 A Dialogue between the New Editor of the Red Journal & the RSF Assembly Chair <http://www.thoracic.org/about/ats-podcasts/a-conversation-with-the-new-editor-of-the-red-journal.php>
- 2016 A Dialogue between the New Editor of the Red Journal & the RSF Assembly Chair <http://www.atsjournals.org/podcasts/ajrcmb>
- 2017 Work/Life Balance in Academia: Time Management <https://www.thoracic.org/about/ats-podcasts/time-management.php>

CONTINUING EDUCATION AND CERTIFICATIONS

- 2002 Statistical Methods in Clinical Research, Department of Health Studies, The University of Chicago
- 2004, 07, 11 Health and Safety for Animal Users, Collaborative Institutional Training Initiative, University of Miami
- 2004 General Safety Issues, Collaborative Institutional Training Initiative, University of Miami
- 2006 - 2010 Genetics in Grant Writing, Section of Genetic Medicine, The University of Chicago
- 2007 - 2008 Essentials of Patient-Oriented Research (EPOR), Department of Health Studies, The University of Chicago
- 2007 - 2008 Fundamentals on Clinical Research, Biological Science Division, The University of Chicago
- 2010 Human Research Curriculum, Collaborative Institutional Training Initiative, University of Miami
- 2012 Certificate of Attendance, The American Society for Clinical Investigation and The Association for American Physicians Joint Meeting
- 2013 - Synergy Program, USF Women’s Health Collaborative