

Historical List of ATS Research Grant Recipients

2002-03 Research Program Grants

ATS/Veterans Administration Research Career Development Grants

Rabih I. Bechara, MD: *"The Role of TGF Beta in Ethanol-Mediated Susceptibility to Acute Lung Injury"*

Pierre P. Massion, MD: *"Genetic Markers of Preinvasive Squamous Carcinoma of the Lungs"*

2004 Research Program Grants

ATS/Alpha-1 Foundation Partnership

Stefano Guerra, MD, PhD, MPH: *"The Relation of LPS Receptor Complex Polymorphisms to COPD"*

Irina Petrache, MD: *"Ceramide Upregulation: An Amplifying Mechanism of Lung Apoptosis and Emphysema Development"*

ATS/American Lung Association Career Investigator Award

Lynn M. Schnapp, MD: *"HIV-Matrix Interactions in the Lung"*

ATS/The LAM Foundation Partnership

Blanca Camoretti-Mercado, PhD: *"Modulation of Smooth Muscle Gene Expression by the TSC Gene Products"*

ATS/Pulmonary Fibrosis Foundation Partnership

Caroline Owen, MD, PhD: *"Counterintuitive, Pro-Fibrotic Role of the Matrix Metalloproteinase-8 in Pulmonary Fibrosis"*

ATS/GlaxoSmithKline Partnership

David G. Morris, MD: *"Tobacco Smoke-Induced Alterations in Transforming Growth factor Beta Activation"*

Peter D. Paré, MD: *"Molecular Mechanisms and Genetic Determinants of Mediator Mobilization and Release from Neutrophil Azurophilic Granules as it Relates to COPD"*

2005 Research Program Grants

ATS/Foundation for Sarcoidosis Research Partnership

Daniel Culver, DO: *"Matrix Metalloproteinases Contribute to Disease Progression in Pulmonary Sarcoidosis and Are Inhibited by PPAR γ "*

ATS/LUNGeVity Foundation Partnership

Charles A. Powell, MD: *"Molecular Signatures of Invasiveness in Lung Adenocarcinoma"*

George M. Verghese, MD: *"Regulation of Non-small Cell Lung Cancer Invasion by Membrane Serine Proteinases and Antiproteinases"*

ATS/GlaxoSmithKline Partnership

Janet S. Lee, MD: *"Fractalkine/CX₃CL1: A Novel Pathway Related to the Pathogenesis of COPD"*

Chun Geun Lee, MD, PhD: *"Genetic Factors Controlling TGF- β ₁ in the Pathogenesis of COPD"*

2006 Research Program Grants

ATS/Alpha-1 Foundation Partnership

Harvey O. Coxson, PhD: *"Quantification of Post-transplant Bronchiolitis Obliterans Syndrome Using CT Scanning"*

Darrrell N. Kotton, MD: *"Stem Cell-based Therapy for Alpha-1 Antitrypsin Deficiency"*

ATS/American Society of Transplantation Partnership

Stavros Garantziotis, MD: *"The Role of Innate Immunity in Alloimmune Lung Injury After Transplantation"*

ATS/ARDS Foundation Partnership

Renee D. Stapleton, MD, MSc: *"Anti-inflammatory Effects on n-3 Fatty Acids in Patients with Acute Lung Injury"*

ATS/Foundation for Sarcoidosis Research Partnership

Richard F. Silver, MD: *"Abnormal TLR Responses in the Pathogenesis of Pulmonary Sarcoidosis"*

Jan A. Wahlström, MD, PhD: *"Antigen Specificity in Sarcoidosis"*

ATS/The LAM Foundation Partnership

Arnold S. Kristof, MD: *"The Role of Protein Kinase C δ in the Pathogenesis of Lymphangioliomyomatosis"*

ATS/Pulmonary Hypertension Association Partnership

Todd M. Bull, MD: *"The Role of Kaposi's Sarcoma Herpesvirus (HHV-8) in the Development of Severe Pulmonary Hypertension"*

Xinqi Wu, PhD: *"Hypoxic Regulation of Bone Morphogenetic Protein (BMP) Signaling and the Role of Id1 in the Development of Pulmonary Hypertension"*

ATS Unrestricted

Shweta Choudhry, PhD: *"Whole Genome Association Study to Identify Asthma Related Genes In Puerto Ricans"*

Patricia J. Dubin, MD: *"Type I and III IFNs in Pseudomonas Aeruginosa Pneumonia"*

William E. Lawson, MD: *"Defining the Origins of Effector Fibroblasts in Pulmonary Fibrosis"*

Hara Levy, MD: *"IL-1 Gene Family Polymorphisms and Susceptibility To P. Aeruginosa in CF patients"*

Jingsong Xu, PhD: *"Role of Lysyl Oxidases (LOX and LOXL1) in Normal Lung Development"*

2007 Research Program Grants

ATS/Asthma and Allergy Foundation of America Partnership	Loren C. Denlinger, MD, PhD: <i>“Regulation of Nucleotide Receptor Function During Infection in Asthma”</i>
ATS/Coalition for Pulmonary Fibrosis Partnership	Sonye K. Danoff, MD, PhD: <i>“VEGF: Marker or Mediator of Lung Injury in Pulmonary Fibrosis?”</i>
ATS/COPD Foundation Partnership	Brigitte N. Gomperts, MD: <i>“Circulating Stem/Progenitor Epithelial Cells in Airway Repair”</i>
ATS/Foundation for Sarcoidosis Research Partnership	Michael T. Falta, PhD: <i>“T Cell Ligands in Sarcoidosis”</i>
ATS/Hermansky-Pudlak Syndrome Network Partnership	Lisa R. Young, MD: <i>“Alveolar Cell Dysfunction in Pulmonary Fibrosis”</i>
ATS/LUNGevity Foundation Partnership	ShouWei Han, MD, PhD: <i>“Signaling through PPARγ in Lung Cancer: Potential Therapeutic Role of PPARγ Ligands”</i>
	Kostyantyn Krysan, PhD: <i>“Modulation of PGE2-Dependent EGFR Inhibitor Resistance in NSCLC by E-Cadherin”</i>
ATS/Pulmonary Hypertension Association Partnership	Namasivayam Ambalavanan, MBBS, MD: <i>“Transforming Growth Factor-β and Effects of Hypoxia on the Newborn Lung”</i>
	Arlin B. Blood, PhD: <i>“The Interaction of Nitric Oxide and Hemoglobin in the Regulation of Pulmonary Vascular Tone”</i>
ATS Unrestricted	Vivek Balasubramaniam, MD: <i>“Role of Endothelial Progenitor Cells In the Development of BPD”</i>
	Jinhee Lee, DVM, PhD: <i>“Liposome-Based Tuberculosis Vaccine Enhanced by Immunostimulatory Ligands”</i>
	Benjamin D. Medoff, MD: <i>“The Role of the CARMA Proteins in Allergic Airway Inflammation”</i>
	Magnus Nord, MD, PhD: <i>“C/EBP Transcription Factors-Novel Players in the Pathogenesis of COPD”</i>

2008 Research Program Grants

ATS/Alpha-1 Foundation Partnership	Shivraj S. Tyagi, PhD: <i>“The Role of Bronchio-Alveolar Stem Cells in Cigarette-Smoke-Related Emphysema”</i>
ATS/Asthma and Allergy Foundation of America Partnership	Njira L. Lugogo, MD: <i>“Obesity and Asthma: Modulation of Inflammation by Adipokines and the Effect of Weight Loss”</i>
ATS/Coalition for Pulmonary Fibrosis Partnership	Andrew M. Tager, MD: <i>“Roles of the Novel Mediator LPA and its Receptor LPA$_1$ in Pulmonary Fibrosis”</i>
ATS/Cystic Fibrosis Foundation Partnership	Lucas R. Hoffman, MD, PhD: <i>“The Impact of S. Aureus Normal and SCV Forms in Cystic Fibrosis Lung Disease”</i>
ATS/Foundation for Sarcoidosis Research Partnership	Edward S. Chen, MD: <i>“The Role of the Receptor for Advanced Glycation End-products in Sarcoidosis”</i>
	Elliott D. Crouser, MD: <i>“Modulation of Pulmonary Sarcoidosis by Nicotinic Acetylcholine Receptors”</i> Partial funding for this grant was provided by a generous grant from the Nathan Cummings Foundation.
ATS/The LAM Foundation Partnership	Elena A. Goncharova, PhD: <i>“Defining the Role of RhoA GTPase in Modulating LAM Cell Growth”</i>
ATS/Pulmonary Hypertension Association Partnership	Kewal Asosingh, PhD: <i>“Role of Pulmonary Vascular Wall Resident Endothelial Progenitors and Circulating Bone Marrow-derived Angiogenic Precursors in Idiopathic Pulmonary Arterial Hypertension”</i>
	Qing Lu, DVM, PhD: <i>“TGF-Beta1 and Pulmonary Artery Hypertension”</i>
ATS/Respiratory Health Association of Metropolitan Chicago Partnership	Jerry A. Krishnan, MD, PhD: <i>“Repeated High-dose Inhaled Corticosteroids for Acute Asthma (ReHICS) Study”</i>
ATS/Boehringer Ingelheim Pharmaceuticals Partnership	Pingfang Song, MD, PhD: <i>“Choline Transport Can Specifically Target Non-neuronal Acetylcholine Synthesis”</i>
	Cherry Wongtrakool, MD: <i>“Prenatal Nicotine, Airway Reactivity and $\alpha 7$ Nicotinic Acetylcholine Receptors”</i>
ATS/Respiroics Foundation Partnership	Sanjay R. Patel, MD, MS: <i>“Obstructive Sleep Apnea and Adipose Tissue Biology”</i>

2008 Research Program Grants (continued)

ATS Unrestricted

Vincent Bhandari, MD, DM: *“Role of Angiotensin II in Hyperoxia-Induced Lung Injury in the Newborn”*

Maria Antonietta Guerrero-Plata, PhD: *“Pulmonary Dendritic Cells and Impaired T Cell Responses in Viral Bronchiolitis”*

Vibha N. Lama, MD, MS: *“Role of Lung Resident Mesenchymal Stem Cells in Allo-Mediated Lung Injury”*

Mark R. Looney, MD: *“The Contribution of Platelets to Experimental Acute Lung Injury”*

2009 Research Program Grants

ATS/Alpha-1 Foundation Partnership

Anna Blumental-Perry, PhD: *“Cigarette-Smoke-Induced Endoplasmic Reticulum Stress Response in the Pathogenesis of COPD”*

ATS/ARDS Foundation/Sepsis Alliance Partnership

Nikolaos A. Maniatis, MD, PhD: *“Role of Transcellular Permeability via Endothelial Caveolae in Ventilator-Induced Lung Injury”*

ATS/Asthma and Allergy Foundation of America Partnership

Jeoung-Sook Shin, PhD: *“Role of Fc Epsilon RI Expression on Dendritic Cells in Asthma”*

ATS/Coalition for Pulmonary Fibrosis Partnership

Melissa G. Hunter, PhD: *“MicroRNA Regulation in Idiopathic Pulmonary Fibrosis (IPF)”*

Harikrishna Tanjore, PhD: *“Contribution of EMT to Pulmonary Fibrosis”*

ATS/Cystic Fibrosis Foundation Partnership

Theresa A. Laguna, MD, MScS: *“Biomarkers of Lung Injury and Remodeling in Cystic Fibrosis”*

ATS/Foundation for Sarcoidosis Research Partnership

Lobelia Samavati, MD: *“Role of Intracellular NOD-like Receptors in Sarcoidosis”*
Partial funding for this grant was provided by a generous grant from the Sarcoidosis Research Institute.

ATS/The LAM Foundation Partnership

Elena Lesma, PhD: *“Development of a LAM Model by Using Human TSC2^{-/-} Cells Derived from a Renal Angiomyolipoma. A Pharmacological Evaluation”*

ATS/LAM Treatment Alliance Partnership

Caroline A. Heckman, PhD: *“Lymphangiogenesis and LAM”*

ATS/LUNGevity Foundation Partnership

Jessica S. Donington, MD: *“Functional Heterogeneity of Osteopontin Isoforms in Lung Cancer”*

Alexander S. Krupnick, MD: *“The Basis for Immunological Therapy of Non-Small Cell Lung Cancer”*

ATS/Pulmonary Hypertension Association Partnership

Lunyin Yu, MD, MS: *“Role of NHE1 Gene in Development of Pulmonary Hypertension and Vascular Remodeling”*

Ari L. Zaiman, MD, PhD: *“Inhibition of TGF Beta Signaling in Endothelial Cells: Role in Pulmonary Hypertension”*

ATS Unrestricted

John F. Alcorn, PhD: *“Mechanisms of TH17 Mediated Allergic Airway Disease”*

Carolyn J. Baglolle, PhD: *“Novel Interaction of the Aryl Hydrocarbon Receptor with RelB in Lung Fibroblasts Reduces COPD”*

Yang Jin, MD, PhD: *“Role of Caveolin-1 in Hyperoxia Induced Acute Lung Injury”*

Lynette K. Rogers, PhD: *“Lipoxin Receptor (ALXR) and Inflammatory Resolution in Lung Growth Arrest and the Development of Bronchopulmonary Dysplasia”*