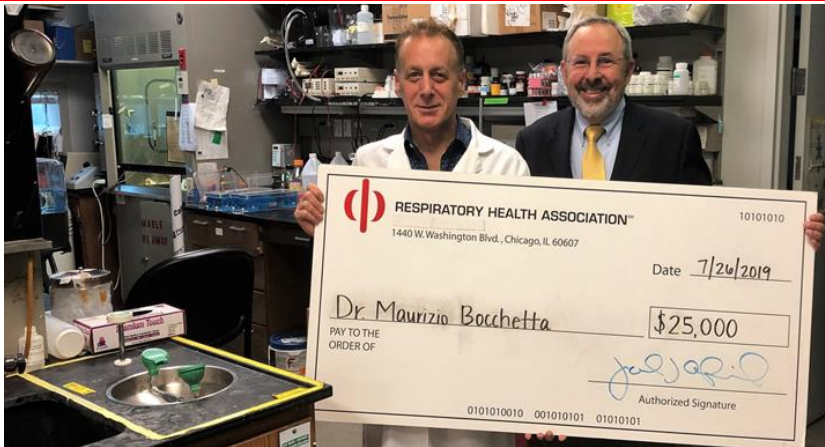


Research Funding Summary

1998-2019



2019 research grantee, Dr. Maurizio Bocchetta with RHA President and CEO Joel Africk. Dr. Bocchetta, from Loyola University's Department of Cancer Biology, is examining a novel therapy for adenocarcinoma of the lung.

RHA: A History of Supporting Lung Health Research

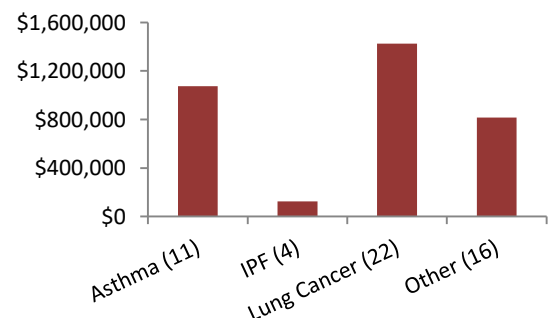
Each year, Respiratory Health Association awards two grants to advance lung health research in Chicago. The awards are designed to support early-career researchers with the goal of providing them with the experience needed to attract large federally supported research grants. This approach also helps to maintain a cadre of lung health researchers in Chicago.

Initially derived from both RHA's operating budget and partner support, today the research grants are made possible by generous endowments to RHA. These endowments explicitly earmark funding for research in lung cancer and Idiopathic pulmonary fibrosis (IPF).

RHA's Research Review Committee is chaired by Dr. Ravi Kalhan, a pulmonologist at Northwestern Medicine and member of RHA's Board of Directors. Other members include clinicians and researchers on the RHA Board and other area researchers.

Since 1998, RHA has awarded 53 lung health research grants in excess of \$3.4 million. Lung cancer research was the focus of 42% of these grants (\$1.4M) with asthma grants, awarded from 2002-2012, accounting for 21% of research grants (\$1.1M). Other grants (16% or \$817,000) supported a variety of studies including those focused on pulmonary hypertension and acute respiratory distress syndrome (ARDS).

**RHA Research Grant Awards by Project Area
1998 - 2019**



Selected RHA Research Projects

ASTHMA

Years Funded	Researcher	Institution	Award Amount	Project Title
1998-1999	Marc Hershenson, MD	University of Chicago	\$100,000	Cellular Mechanisms Underlying the Contractile Phenotype in Airway Smooth Muscle
2000-2001	Kimm Haman, PhD	University of Chicago	\$100,000	Fas-Fas Ligand Interactions between Eosinophils and Airway Epithelial Cells.
2002-2003	Steven R White, MD	University of Chicago	\$100,000	Regulation of Airway Epithelial Apoptosis by Beta-Adrenergic Agonists.
2004-2006	Rebecca Shilling, MD	University of Chicago	\$65,000	Role of Inducible Costimulator Molecule Expression Levels in Asthma and Allergy
2004-2006	Blanca Camoretti-Mercado, PhD	University of Chicago	\$100,000	Regulation of Airway Epithelial Apoptosis by Beta-Adrenergic Agonists
2006-2008	Anne Sperling, PhD	University of Chicago	\$100,000	The Regulation of Th2 Responses by Fcy Receptor Signaling in Dendritic Cells
2007-2009	Jerry Krishnan, MD	University of Chicago	\$200,000	Repeated High-dose Inhaled Corticosteroids for acute asthma (ReHICS) study
2008-2010	Ravi Kalhan, MD	Northwestern University	\$100,000	Modification of Asthma with Dietary Soy Isoflavone
2010-2012	Anne Marie Singh, MD	Northwestern University	\$100,000	Immune Dysregulation Early Expressions of Atopy & Development of Childhood Asthma

IPF & LUNG CANCER

2008-2009	Kyle Hogarth, MD	University of Chicago	\$2,500	Pre-malignant Neoplasia Detected Via Screening Fluorescence Bronchoscopy
2008-2009	Ravi Salgia, MD	University of Chicago	\$10,000	Biomarkers in Tumor and Blood of Women who Smoke and Women Who Don't Smoke with Adenocarcinoma
2008-2010	Navdeep Chandel, PhD	Northwestern University	\$200,000	Notch Signaling Regulates Lung Cancer
2010-2011	Ravi Salgia, MD, PhD	University of Chicago	\$30,000	Molecular Studies of Brain Metastases in Lung Cancer
2010-2011	Marta Batus, MD	Rush University	\$29,738	Proteomic Analysis of Serum and Tumor Tissue in Small Cell Lung Cancer
2010-2011	Mary Jo Fidler, MD	Rush University	\$27,744	Serum Proteomics on Patients Treated with Erlotinib
2012-2013	Jordi Tauler-Vaillet, PhD	University of Illinois, Chicago	\$19,636	Genomic Analysis of MYLK, MYLKIP and hnRNP A2/B1 in Lung Cancer
2016-2018	Gye Park, MD	University of Illinois, Chicago	\$125,000	Macrophage Regulation of Lung Cancer Progression
2016-2018	Ana Lam, MD	Northwestern University	\$50,000	Wnt/beta-catenin Signaling Impacts Macrophage Differentiation in Persistence of Pulmonary Fibrosis
2017-2018	Kevin Haas, MD	University of Illinois, Chicago	\$50,000	Timeliness Measures of Lung-RADS 3 and Lung-RADS 4 in an Urban Minority Based Lung Cancer Screening Program
2018-2019	Robert Hamanaka, PhD	University of Chicago	\$22,621.47	Metabolic Regulation of Myofibroblast Differentiation
2018-2019	Guofei Zhou, PhD	University of Illinois, Chicago	\$25,000	Targeting DLIM5 for Lung Cancer
2019-2020	Maurizio Bocchetta, PhD	Loyola University Medical Center	\$25,000	Role of Deubiquitinase OTUD6B Isoforms in Cell Cycle Progression and Survival of ACL Cells