



- *Professor*
 - *Division of Pulmonary, Critical Care & Sleep Medicine*
 - *Department of Medicine*
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Programs & Services:

- *Pulmonary Hypertension Program*
- *Department of Medicine*
- *Division of Pulmonary, Critical Care and Sleep Medicine (Adult)*

Dr. Lahm is a physician scientist in the Division of Pulmonary, Critical Care and Sleep Medicine with a focus on the study of sexual dimorphisms in lung vascular remodeling and right ventricular (RV) adaptation in pulmonary hypertension (PH). The overall goal of his research is to identify novel therapeutic interventions for PH-induced RV and lung vascular dysfunction. In particular, he is interested in gender differences in PH and the role of sex hormones in PH and RV failure. His laboratory is studying mechanisms of how sex hormones such as 17 β -estradiol affect lung and RV endothelial cell homeostasis as well as cardiomyocyte function during PH and RV failure development. A specific focus is on deciphering how estrogen receptor alpha promotes resilience to maladaptive RV remodeling by regulating angiogenesis, contractile signaling and inflammatory processes.

Other areas of interest in the Lahm lab include studies of hypoxia-induced lung vascular and RV remodeling in the perinatal period and throughout the lifespan, neurohormonal signaling in the RV, exercise effects on RV function, and novel PH phenotypes in the veteran population. The Lahm lab recently expanded its studies of sexually dimorphic lung diseases to study androgen signaling in asthma and to identify mechanisms of how androgens modulate airway epithelial cell function.

Dr. Lahm's clinical interest is in PH, RV failure and lymphangiomyomatosis - conditions that exhibit significant gender biases and that disproportionately affect women. He is also passionate about critical care medicine and provides care to critically ill patients in the intensive care unit.

Board Certification

Critical Care Medicine
Pulmonary Medicine
Internal Medicine

Education

2000 University of Heidelberg Medical School, Heidelberg, Germany, MD

Residency

2005 Indiana University School of Medicine, Indianapolis, IN, Internal Medicine

Fellowship

2008 Indiana University School of Medicine, Indianapolis, IN, Pulmonary and Critical Care Medicine

Professional Memberships

2017-Present: Alliance for Academic Medicine
2015-Present: American Heart Association
2013-Present: Pulmonary Vascular Research Institute
2009-Present: Pulmonary Hypertension Association
2007-Present: American Thoracic Society

Awards & Recognition

2021: Chair, American Thoracic Society Pulmonary Circulation Assembly
2017: Program Committee Chair, American Thoracic Society Pulmonary Circulation Assembly
2017: Outstanding Postdoc Mentor Award, Indiana University School of Medicine
2015: Catherine and Lowe Berger and Pauline L. Ford Investigator of Pulmonary Medicine, Indiana University, Department of Medicine
2015: Outstanding Young Investigator, Indiana University, Department of Medicine
2012: Gilead Sciences Research Scholars in PAH Award, Gilead, Inc.
2012: First place winner, Translational Research Posters, Richard L. Roudebush VAMC Research Day
2011: ASPIRE Young Investigator Award in Pulmonary Vascular Disease Research, Pfizer, Inc.
2010: ATS/PHA/Pfizer Research Fellowship in PAH, ATS/Pulmonary Hypertension Association/Pfizer

Doctor's Contact Information

Office: 877.225.5654