

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: Yarmus, Lonny Brett

eRA COMMONS USER NAME (credential, e.g., agency login): lyarmus1

POSITION TITLE: Associate Professor of Medicine and Oncology

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Start Date MM/YYYY	Completion Date MM/YYYY	FIELD OF STUDY
Emory University	BA	1990	1994	Sociology
Harvard University	HCD	1995	1997	Physics
University of New England	DO	1999	2003	Medicine
Johns Hopkins University School of Public Health	SOCI	2010	2011	Clinical Investigation
Johns Hopkins University School of Business	MBA	2015	2018	Device Development

A. Personal Statement

I have a broad background in pulmonary medicine, with specific training and expertise in interventional pulmonary and advanced bronchoscopy. My research includes validation of minimally invasive technologies focused on the diagnosis and treatment of lung cancer and complex airways disease. As PI or co-Investigator on several university- and NIH-funded grants I have validated that these minimally invasive diagnostics are feasible and safe and provide equal or superior outcomes to traditional surgical techniques without the associated complications. These projects have also led to additional research towards creating and implementing new minimally invasive devices into standard practice to further reduce complications, increase yield and contain cost. Current projects and publications have been focused on minimally techniques for procedure development, diagnosing lung cancer including the study of volatile organic compounds for breath diagnostics as well as blood-based markers and novel biopsy techniques.

B. Positions, Scientific Appointments and Honors

2016-present	Associate Professor of Oncology, Johns Hopkins University, Baltimore, MD
2015-present	Associate Professor of Medicine, Johns Hopkins University, Baltimore, MD
2014-present	Clinical Chief, Division of Pulmonary and Critical Care Medicine, The Johns Hopkins Hospital, Baltimore, MD
2011-2015	Assistant Professor of Medicine, The Johns Hopkins Hospital, Baltimore, MD
2010-2011	Instructor of Medicine, Johns Hopkins Hospital, Baltimore, MD
2009-2010	Clinical Fellow, Interventional Pulmonology, Johns Hopkins Hospital, Baltimore, MD
2007-2009	Clinical and Research Fellow, Pulmonary and Critical Care Medicine, Tufts University
2003-2006	Resident in Medicine, Internal Medicine, University of Vermont
1996-1997	Teaching Fellow, Department of Physics, Harvard University, Cambridge, MA

Other Experience and Professional Memberships

2016-present	Clinical Chief, Division of Pulmonary and Critical Care, Johns Hopkins University
--------------	---

2016-present	Director, Interventional Pulmonary Outcomes Group
2015-present	Director, Johns Hopkins Interventional Pulmonary Research Core
2013	ATS Clinical Advisory Committee
2013	ACCP Co-chair, Royal Commission
2012-present	Director, Interventional Pulmonology, Johns Hopkins Bayview, Baltimore, MD
2012-present	ACCP Scientific Presentations and Awards Committee
2012-present	ACCP Interventional Chest/Diagnostic Procedures Network Committee
2011-present	Co-Chair, Thoracic Oncology Network E-Community committee
2011-2017	Chair, NSCLC AQUiRE Data Element Workgroup
2011-2017	Executive Committee, ACCP Quality Improvement Registry (AQuIRE)
2010-2015	National Chair, National Residency Matching Program (NRMP) for the Interventional Pulmonology Fellowship Programs
2010-2015	Fellowship Program Director, Interventional Pulmonology, The Johns Hopkins Hospital, Baltimore, MD
2009-	Fellow, American College of Physicians

C. Contributions to Science

My research is focused on minimally invasive device design, prototyping, validation, safety and outcomes research to advance the minimally invasive diagnosis of lung cancer. I have concentrated my recent research and efforts to optimize tools to improve our diagnostic capabilities and have positioned my lab to work from bench to bedside. As part of this work, I invented a novel minimally invasive device at Johns Hopkins University to improve lung cancer diagnostics; utilized my business experience to partner with industry in the field to prototype and produce the device; ran several feasibility trials which resulted in FDA 510K approval in January 2020; and am the principal investigator of a randomized controlled multicenter trial to show efficacy and improvements over current methods.

Complete List of Published Work in my pubmed bibliography:

<http://www.ncbi.nlm.nih.gov/pubmed/?term=yarmus+lonnyD>

