Curriculum Vitae

Steven James Cassady, MD

Assistant Professor of Medicine

Associate Director, Pulmonary Vascular Disease Program

Division of Pulmonary & Critical Care Medicine

University of Maryland School of Medicine

**Date** February 19th, 2021

**Contact Information**

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Foreign Languages: French (working knowledge)

**Education**

2004 - 2008 B.S., Neuroscience, University of Pittsburgh, summa cum laude

2010 - 2014 M.D., University of Maryland School of Medicine, cum laude

**Post Graduate Education and Training**

2014 - 2017 Residency, Internal Medicine (Educational Track), Icahn School of Medicine at Mount Sinai, New York, NY

2017 - 2020 Fellowship, Pulmonary & Critical Care Medicine, University of Maryland School of Medicine, Baltimore, MD

**Certifications**

2017 American Board of Internal Medicine – Internal Medicine

2019 American Board of Internal Medicine – Pulmonary Medicine

**Medical Licensures**

2016 Inactive, New York

2018 Active, Maryland

**Employment History**

2007-2008 Lab Assistant, Department of Neuroscience, University of Pittsburgh, Lab of Dr. Bita Moghaddam, PhD

2009-2010 Lab Technician, Pittsburgh Institute of Neurodegenerative Disease (PIND), University of Pittsburgh, Lab of Sarah Berman, MD, PhD

2018-2020 Intensivist, Greater Baltimore Medical Center, Towson, MD

2018-2020 Tele-Intensivist, University of Maryland Tele-ICU Program, Baltimore, MD

**Professional Society Memberships**

2013-present Alpha Omega Alpha, Beta Chapter, Junior Class, UMSOM  
2016-present In-Training Member, American Thoracic Society  
2019-present In-Training Member, CHEST

**Honors & Awards**

2007 NIMH Undergraduate Research Fellowship, National Institute of Mental Health (NIMH), year-long funded research fellowship with weekly seminars and clinical rounds

2008 Neuroscience Research Excellence Award, University of Pittsburgh Department of Neuroscience, awarded for achievement in neuroscience research

2008 Departmental Honors in Neuroscience, University of Pittsburgh Department of Neuroscience

2014 I. Earl Pass Award, University of Maryland SOM, awarded for excellence in internal medicine

2015 Silver Apple Teaching Award, Mount Sinai SOM Department of Medicine, awarded for excellence in resident teaching

2020 Best Case Report (1st Place), University of Maryland SOM Pulmonary & Critical Care Virtual Research Conference

2020 Pulmonary Fellow Teaching Award, University of Maryland SOM Department of Medicine

**Clinical Activities/Expertise**

Board certified in Internal Medicine and Pulmonary Medicine  
Board-eligible in Critical Care Medicine

Research interests include cardiopulmonary exercise testing in pulmonary hypertension and noninvasive diagnostic modalities of PH

**Institutional Service**

2013-2014 History of Medicine Lectures Committee, Alpha Omega Alpha  
2019 New Opportunities in 4th Year Curriculum Workgroup, UMSOM

**Teaching Service**

**Medical Student Teaching**

2016 Second Year Physiology Small Groups, Mount Sinai School of Medicine

8-12 2nd year medical students, 4 contact hours/year

2018-2020 Pathophysiology & Therapeutics I Small Groups, UMSOM

12-15 2nd year medical students, 6 contact hours/year

2018-present Introduction to Clinical Medicine II (ICM-2), UMSOM

4 2nd year medical students, 10 contact hours/year

**Resident & Fellow Teaching**

2016-2017 Code Simulation Sessions, Mount Sinai SOM

4-5 2nd year residents per group, 30 residents total, 15 contact hours

2020 Summer Education Block, UMSOM Pulmonary & Critical Care Fellowship  
 Simulation sessions, ultrasound training, and COVID-19 Zoom forum

10 pulmonary & critical care fellows, 8 contact hours/year

**Adminstrative Service**

Ad Hoc Reviewer:

2020-present Medicina (3/year)

2020-present International Journal of Environmental Research & Public Health (4/year)

2020-present Respiratory Medicine (1/year)

2020-present American Thoracic Society Quick Hits (6/year)

2020-present Chest (1/year)

**Publications**

**Peer-reviewed journal articles**

1. Van Laar VS, Arnold B, **Cassady SJ**, Chu CT, Burton EA, Berman SB. Bioenergetics of neurons inhibit the translocation response of Parkin following rapid mitochondrial depolarization. Human Molecular Genetics. 2001 Mar 1;20(5):927-40. *(performed analysis and designed computer modeling paradigms)*
2. Arnold B, **Cassady SJ,** Van Laar VS, Berman SB. Integrating multiple aspects of mitochondrial dynamics in neurons: age-related differences and dynamic changes in a chronic rotenone model. Neurobiology of Disease. 2011 Jan;41(1):189-200.
3. **Cassady SJ,** Reed RM. Pulmonary Hypertension in COPD: A Case & Review of the Literature. *Medicina,* 2 Aug 2019, 55(8):432.
4. **Cassady SJ,** Ramani GV. Right heart failure in pulmonary hypertension. *Cardiol Clin* 2020 May, 38(2):243-255.
5. Ramani GV, Shen E, **Cassady SJ,** Broderick M, Wasik A, Rao Y, Nelsen A. Novel dose-response analyses of treprostinil in pulmonary arterial hypertension and its effects on 6-minute walk distance and hospitalizations. *Pulm Circ*. E-published 16 April 2020.
6. **Cassady SJ,** Lasso-Pirot A, Deepak J. Phenotypes of bronchopulmonary dysplasia in adults. *CHEST* *E-published* 6 May 2020.
7. **Cassady SJ,** Mills-Robertson K, Deepak J, Hossain R. CT Angiography-Based Pulmonary Artery Volumetry as a Diagnostic Tool for Pulmonary Hypertension. *Journal of Computer-Assisted Tomography* Sep/Oct 2020, 44(5):681-686

**Non-Peer Reviewed Articles**

1. Lederer DJ, Hines S, Gulati M, **Cassady SJ.** Fact Sheet: Asbestosis. *Pulmonary Fibrosis Foundation,* 2019.

**Major Invited Speeches**

**Local**

1. **Cassady SJ**, Pulmonary Radiology Conference: Antisynthetase Syndrome. UMSOM Department of Pulmonary & Critical Care Medicine, Baltimore, MD, October 26, 2017
2. **Cassady SJ**, Pulmonary Radiology Conference: Systemic Sclerosis & Pulmonary Arterial Hypertension. UMSOM Department of Pulmonary & Critical Care Medicine, Baltimore, MD, December 13, 2017
3. **Cassady SJ**, Pulmonary Radiology Conference: Idiopathic Inflammatory Myositis & ILD. UMSOM Department of Pulmonary & Critical Care Medicine, Baltimore, MD, February 21, 2018.
4. **Cassady SJ**, Pulmonary Radiology Conference: Bullous Emphysema & Vanishing Lung Syndrome. UMSOM Department of Pulmonary & Critical Care Medicine, Baltimore, MD, May 9, 2018.
5. **Cassady SJ**, Pulmonary Radiology Conference: Three Cases of Bronchopulmonary Dysplasia. UMSOM Department of Pulmonary & Critical Care Medicine, Baltimore, MD, March 27, 2019.
6. **Cassady SJ,** Internal Medicine Residency Core Conference: Pulmonary Function Testing. UMSOM Internal Medicine Residency, Baltimore, MD, June 4, 2019.
7. Fellow Presenter, American Thoracic Society COVID19 Critical Care Training Forum, Online session, May 5, 2020.
8. **Cassady SJ,** Division of Pulmonary & Critical Care Medicine Grand Rounds: CTEPH: Underestimated, Complex, Treatable. Baltimore, MD, April 21, 2020.
9. **Cassady SJ,** Pulmonary & Critical Care Medicine Fellowship Core Curriculum: Treatment of Pulmonary Hypertension. Baltimore, MD. February 8, 2021.

**Proffered Communications**

**National**

1. **Cassady SJ,** Meinhof KT, Li N, Poor HD. Simulations sessions focusing on the pragmatic aspects of running a code improve resident comfort during real-life code scenarios. Poster presentation, American Thoracic Society, Washington, DC, 2017.
2. **Cassady SJ,** Sachdeva A, Paparo MA, Koka R, Sachdeva A. Multiple endobronchial plasmacytomas in a patient with plasma cell leukemia. Poster presentation, CHEST, San Antonio, TX, 2018.
3. **Cassady SJ,** Britt EJ, Ramani GR. Unexplained severe hypoxemia in a pulmonary hypertension patient: a case of proposed vanishing capillary syndrome? Poster presentation, American Thoracic Society, Dallas, TX, 2019.
4. **Cassady SJ,** Ramani GR. Why am I hypoxic? An uncommon case of intracardiac shunting. Poster presentation, American Thoracic Society, Dallas, TX, 2019.
5. **Cassady SJ,** Ramani GR, Deepak J. Bronchopulmonary dysplasia, 21 years later: pulmonary hypertension & emphysema in a young adult bronchopulmonary dysplasia patient. Poster presentation, American Thoracic Society, Dallas, TX, 2019.
6. **Cassady SJ,** Hossain R, Mills-Robertson K, Storck CS, Almardawi R, Deepak J. Volumetric analysis of the pulmonary arteries using CT angiography as an indicator of pulmonary hypertension. Poster presentation, American Thoracic Society, Dallas, TX, 2019.
7. Jakharia K, **Cassady SJ,** Shah NG, Britt EJ. Acute amiodarone lung toxicity following non-cardiac surgery: a rare phenomenon. Poster presentation, American Thoracic Society, Dallas, TX, 2019.
8. **Cassady SJ,** Hines S, Britt EJ. Consequences of the daily grind: mycophenolate-responsive hard metal lung disease in a toolmaker. Accepted abstract, American Thoracic Society, Philadelphia, PA, 2020. (Cancelled due to COVID19; presented locally at Department of Pulmonary & Critical Care Virtual Research Conference; May 20, 2020)

**Local**

1. **Cassady SJ,** Meinhof KT, Li N, Poor HD. Simulations sessions focusing on the pragmatic aspects of running a code improve resident comfort during real-life code scenarios. Poster presentation, Mount Sinai School of Medicine Department of Medicine Research Day, May 25, 201