

CURRICULUM VITAE

Christopher John Mullin

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EDUCATION

Undergraduate	8/2001-5/2005	University of Pennsylvania, School of Engineering and Applied Science, Philadelphia, PA, Major: Bioengineering, Minor: Mathematics, B.S.E., <i>Magna Cum Laude</i> , Benjamin Franklin Scholar
Medical School	8/2005-5/2009	Perelman School of Medicine at the University of Pennsylvania (formerly University of Pennsylvania School of Medicine), Philadelphia, PA, 1956 Class Scholarship
Other Advanced Degrees	8/2015-8/2016	Johns Hopkins Bloomberg School of Public Health, Graduate Training Program in Clinical Investigation, Baltimore, MD, MHS

POSTGRADUATE TRAINING

6/2009-6/2012	New York-Presbyterian Hospital, Columbia University Medical Center, 177 Fort Washington Ave, MHB- 6 th Floor Center 12, New York, NY 10032, Residency, Internal Medicine
7/2013-6/2017	Johns Hopkins University School of Medicine, 1830 E. Monument St, 5th Floor, Baltimore, MD 21205, Fellowship, Pulmonary and Critical Care Medicine

POSTGRADUATE HONORS AND AWARDS

6/2012	Allen Hospital Senior Resident Award, Columbia University Medical Center
2016	Student Assembly Student Conference Fund Recipient, Johns Hopkins School of Public Health
2018	Letter of Recognition- for BIOL 3663 IMS 111: Pulmonary, Warren Alpert Medical School of Brown University Office of Medical Education

2019-2020, 2023, 6/2026	Dean's Excellence in Teaching Award, Warren Alpert Medical School of Brown University
2020	Graduate, Brown Physicians Incorporated Leadership Academy
2023, 6/2026	Teacher of the Year Award, Division of Pulmonary, Critical Care, and Sleep Medicine, Warren Alpert Medical School of Brown University
5/2026	Beckwith Family Award for Outstanding Teaching, Warren Alpert Medical School of Brown University, Department of Medicine

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

2012-10/2022	American Board of Internal Medicine Diplomate in Internal Medicine
6/2012-6/2014	New York Physician License
2017-	American Board of Internal Medicine Diplomate in Pulmonary Medicine
5/2017-	Rhode Island Physician License
2018-	American Board of Internal Medicine Diplomate in Critical Care Medicine

ACADEMIC APPOINTMENTS

8/2012-6/2013	Instructor of Medicine, Section of Hospital Medicine, Division of General Internal Medicine, Columbia University Medical Center, New York, NY
8/2017-6/2026	Assistant Professor of Medicine, Clinician Educator, Division of Pulmonary, Critical Care, and Sleep Medicine, Alpert Medical School of Brown University, Providence, RI
7/2026-	Associate Professor of Medicine, Clinician Educator, Division of Pulmonary, Critical Care, and Sleep Medicine, Alpert Medical School of Brown University, Providence, RI

HOSPITAL APPOINTMENTS

8/2012-6/2013	Assistant Attending Physician, NewYork-Presbyterian Hospital, Columbia University Medical Center, New York, NY
8/2017-	Attending Physician, Pulmonary, Critical Care, and Sleep Medicine, Miriam Hospital, Providence, RI
8/2017-	Attending Physician, Pulmonary, Critical Care, and Sleep Medicine, Rhode Island Hospital, Providence, RI

OTHER APPOINTMENTS

- 9/2019-8/2024 PHAR Presentations & Publications Committee, Pulmonary Hypertension Association Registry, Silver Spring, MD †
- 2020-8/2024 Pulmonary Vascular Disease Section Steering Committee, Pulmonary Vascular and Cardiovascular Network, CHEST (American College of Chest Physicians)
- 9/2020- Member, Sildenafil in Early Pulmonary Vascular Disease in Scleroderma (SEPVADIS) Study- NCT04797286, Data and Safety Monitoring Board
- 2021- Member, APOLLO National Consortium on Pulmonary Vascular Disease Fellowship Training
- 2022-5/2025 Pulmonary Circulation Planning Committee, American Thoracic Society

† Diversity, Equity, and Inclusion (DEI) activity

HOSPITAL COMMITTEES

- 8/2017- Attending Physician, Rhode Island Hospital Pulmonary Hypertension Center, Brown Medicine
- 8/2017- Director, Pulmonary Embolus Response Team (PERT), Rhode Island Hospital and the Miriam Hospital
- 8/2017- Medical Director, Pulmonary Function Laboratory, Rhode Island Hospital †
- 2/2019-6/2021 Medical Director, Respiratory Intensive Care Unit, Rhode Island Hospital
- 2/2019-6/2021 Member, ICU Collaborative, Rhode Island Hospital
- 6/2021- Medical Director, Pulmonary Function Laboratory, Brown Health Medical Group Pulmonary †
- 12/2021- Associate Director, Rhode Island Hospital Pulmonary Hypertension Center, Center for Advanced Lung Care, Brown University Health
- 9/2023- Director, Chronic Thromboembolic Pulmonary Hypertension (CTEPH) Program, Center for Advanced Lung Care, Brown University Health

† Diversity, Equity, and Inclusion (DEI) activity

UNIVERSITY COMMITTEES

- 7/2014-6/2017 Member, Education Committee, Pulmonary and Critical Care Medicine, Johns Hopkins University School of Medicine
- 2020-2022 Member, Resident Selection Committee, Internal Medicine, Warren Alpert Medical School of Brown University †
- 2/2025- Member, Division Council for Curriculum, Division of Pulmonary, Critical Care, and Sleep Medicine, Warren Alpert Medical School of Brown University

† Diversity, Equity, and Inclusion (DEI) activity

MEMBERSHIP IN SOCIETIES

2013- Member, American College of Chest Physicians
 2013- Member, American Thoracic Society
 2018- Member, Pulmonary Hypertension Association

PUBLICATIONS LIST

* Co-author, ** Mentee

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Miller WT Jr, Barbosa E Jr, Mickus TJ, **Mullin C**, Van Deerlin VM, Shiley KT. Chest computed tomographic imaging characteristics of viral acute lower respiratory tract illnesses: a case-control study. *J Comput Assist Tomogr.* 2011;35(4):524-530. PMID: 21765314. <https://doi.org/10.1097/RCT.0b013e31821d6cd3>
2. Miller WT Jr, Mickus TJ, Barbosa E Jr, **Mullin C**, Van Deerlin VM, Shiley KT. CT of viral lower respiratory tract infections in adults: comparison among viral organisms and between viral and bacterial infections. *AJR Am J Roentgenol.* 2011 Nov;197(5):1088-1095. PMID: 22021500. <https://doi.org/10.2214/AJR.11.6501>
3. Metkus TS, **Mullin CJ**, Grandin EW, Rame JE, Tampakakis E, Hsu S, Kolb TM, Damico R, Hassoun PM, Kass DA, Mathai SC, Tedford RJ. Heart Rate Dependence of the Pulmonary Resistance x Compliance (RC) Time and Impact on Right Ventricular Load. *PLoS One.* 2016;11(11):e0166463. PMID: 27861600. PMCID: PMC5115737. <https://doi.org/10.1371/journal.pone.0166463>. Epub 2016 Nov 18
4. Metkus TS, Tampakakis E, **Mullin CJ**, Houston BA, Kolb TM, Mathai SC, Damico R, Maron BA, Hassoun PM, Brower RG, Tedford RJ. Pulmonary Arterial Compliance in Acute Respiratory Distress Syndrome: Clinical Determinants and Association With Outcome From the Fluid and Catheter Treatment Trial Cohort. *Crit Care Med.* 2017 Mar;45(3):422-429. PMID: 27941369. PMCID: PMC5315617. <https://doi.org/10.1097/CCM.0000000000002186>
5. Ippolito MM, Johnson J, **Mullin C**, Mallow C, Morgan N, Wallender E, Li T, Rosenthal PJ. The Relative Effects of Artemether-lumefantrine and Non-artemisinin Antimalarials on Gametocyte Carriage and Transmission of *Plasmodium falciparum*: A Systematic Review and Meta-analysis. *Clin Infect Dis.* 2017 Aug 1;65(3):486-494. PMID: 28402391. PMCID: PMC5850314. <https://doi.org/10.1093/cid/cix336>
6. **Mullin CJ**, Hsu S, Amancherla K, Wand A, Rhodes P, Leary PJ, Mukherjee M, Damico RL, Kolb TM, Mathai SC, Hassoun PM, Tedford RJ. Evaluation of criteria for exercise-induced pulmonary hypertension in patients with resting pulmonary hypertension. *Eur Respir J.* 2017 Sep;50(3):1700784. PMID: 28931665. <https://doi.org/10.1183/13993003.00784-2017>. Epub 2017 Sep 20

7. Mukherjee M, Mercurio V, Tedford RJ, Shah AA, Hsu S, **Mullin CJ**, Sato T, Damico R, Kolb TM, Mathai SC, Hassoun PM. Right ventricular longitudinal strain is diminished in systemic sclerosis compared with idiopathic pulmonary arterial hypertension. *Eur Respir J*. 2017 Nov;50(5):1701436. PMID: 29167303. PMCID: PMC5843490. <https://doi.org/10.1183/13993003.01436-2017>. Epub 2017 Nov 22
8. Baird GL, Archer-Chicko C, Barr RG, Bluemke DA, Foderaro AE, Fritz JS, Hill NS, Kawut SM, Klinger JR, Lima JAC, **Mullin CJ**, Ouyang P, Palevsky HI, Palmisicano AJ, Pinder D, Preston IR, Roberts KE, Smith KA, Walsh T, Whittenhall M, Ventetuolo CE. Lower DHEA-S levels predict disease and worse outcomes in post-menopausal women with idiopathic, connective tissue disease- and congenital heart disease-associated pulmonary arterial hypertension. *Eur Respir J*. 2018 Jun;51(6):1800467. PMID: 29954925. PMCID: PMC6469347. <https://doi.org/10.1183/13993003.00467-2018>. Epub 2018 Jun 28
9. **Mullin CJ**, Khair RM, Damico RL, Kolb TM, Hummers LK, Hassoun PM, Steen VD, Mathai SC, PHAROS Investigators. Validation of the REVEAL Prognostic Equation and Risk Score Calculator in Incident Systemic Sclerosis-Associated Pulmonary Arterial Hypertension. *Arthritis Rheumatol*. 2019 Oct;71(10):1691-1700. PMID: 31066998. <https://doi.org/10.1002/art.40918>. Epub 2019 Aug 26
10. Ventetuolo CE, Aliotta JM, Braza J, Chichger H, Dooner M, McGuirl D, **Mullin CJ**, Newton J, Pereira M, Princiotta A, Quesenberry PJ, Walsh T, Whittenhall M, Klinger JR, Harrington EO. Culture of pulmonary artery endothelial cells from pulmonary artery catheter balloon tips: considerations for use in pulmonary vascular disease. *Eur Respir J*. 2020 Mar;55(3):1901313. PMID: 31949110. PMCID: PMC7147989. <https://doi.org/10.1183/13993003.01313-2019>. Epub 2020 Mar 20
11. Baird GL, Walsh T, Aliotta J, Allahua M, Andrew R, Bourjeily G, Brodsky AS, Denver N, Dooner M, Harrington EO, Klinger JR, MacLean MR, **Mullin CJ**, Pereira M, Poppas A, Whittenhall M, Ventetuolo CE. Insights from the Menstrual Cycle in Pulmonary Arterial Hypertension. *Ann Am Thorac Soc*. 2021 Feb;18(2):218-228. PMID: 32885987. PMCID: PMC7869782. <https://doi.org/10.1513/AnnalsATS.202006-671OC>
12. Walsh TP, Baird GL, Atalay MK, Agarwal S, Arcuri D, Klinger JR, **Mullin CJ**, Morreo H, Normandin B, Shiva S, Whittenhall M, Ventetuolo CE. Experimental design of the Effects of Dehydroepiandrosterone in Pulmonary Hypertension (EDIPHY) trial. *Pulm Circ*. 2021;11(2):2045894021989554. PMID: 34094503. PMCID: PMC8142004. <https://doi.org/10.1177/2045894021989554>. Epub 2021 May 21
13. Sato T, Ambale-Venkatesh B, Zimmerman SL, Tedford RJ, Hsu S, Chamera E, Fujii T, **Mullin CJ**, Mercurio V, Khair R, Corona-Villalobos CP, Simpson CE, Damico RL, Kolb TM, Mathai SC, Lima JAC, Kass DA, Tsujino I, Hassoun PM. Right ventricular function as assessed by cardiac magnetic resonance imaging-derived strain parameters compared to high-fidelity micromanometer catheter measurements. *Pulm Circ*. 2021;11(4):20458940211032529. PMID: 34603686. PMCID: PMC8481729. <https://doi.org/10.1177/20458940211032529>. Epub 2021 Sep 24
14. Sahay S, Balasubramanian V, Memon H, Poms A, Bossone E, Highland K, Kay D, Levine DJ, **Mullin CJ**, Melendres-Groves L, Mathai SC, Soto FJ, Shlobin O, Elwing JM. Utilization of risk assessment tools in management of PAH: A PAH provider survey. *Pulm Circ*. 2022

Apr;12(2):e12057. PMID: 35514787. PMCID: PMC9063963. <https://doi.org/10.1002/pul2.12057>. Epub 2022 Apr 8

15. LaPatra T, Baird GL, Goodman R, Pinder D, Gaffney M, Klinger JR, Palevsky HI, Fritz J, **Mullin CJ**, Mazurek JA, Kawut SM, Ventetuolo CE. Remote 6-Minute-Walk Testing in Patients with Pulmonary Hypertension: A Pilot Study. *Am J Respir Crit Care Med*. 2022 Apr 1;205(7):851-854. PMID: 35015981. <https://doi.org/10.1164/rccm.202110-2421LE>
16. LaPatra T, Baird GL, Goodman R, Pinder D, Gaffney M, Klinger JR, Palevsky HI, Fritz J, **Mullin CJ**, Mazurek JA, Kawut SM, Ventetuolo CE. Reply to Helgeson et al.: Remote 6-minute-Walk Testing in Patients with Pulmonary Hypertension: Further Validation Needed?. *Am J Respir Crit Care Med*. 2022 Sep 1;206(5):651-653. PMID: 35608538. PMCID: PMC9716915. <https://doi.org/10.1164/rccm.202205-0867LE>
17. Zhou CY, Sahay S, Shlobin O, Soto FJ, Mathai SC, Melendres-Groves L, **Mullin CJ**, Levine DJ, Kay D, Highland K, Bossone E, Poms A, Memon H, Balasubramanian V, Farmer MJS, Rahaghi F, Elwing JM. Effects of COVID-19 pandemic on the management of pulmonary hypertension. *Respir Med*. 2023 Jan;206:107061. PMID: 36493604. PMCID: PMC9699715. <https://doi.org/10.1016/j.rmed.2022.107061>. Epub 2022 Nov 26
18. Singh N, Eickhoff C, Garcia-Agundez A, Bertone P, Paudel SS, Tambe DT, Litzky LA, Cox-Flaherty K, Klinger JR, Monaghan SF, **Mullin CJ**, Pereira M, Walsh T, Whittenhall M, Stevens T, Harrington EO, Ventetuolo CE. Transcriptional profiles of pulmonary artery endothelial cells in pulmonary hypertension. *Sci Rep*. 2023 Dec 18;13(1):22534. PMID: 38110438. PMCID: PMC10728171. <https://doi.org/10.1038/s41598-023-48077-6>. Epub 2023 Dec 18
19. Vallabhajosyula S, Ogunsakin A, Jentzer JC, Sinha SS, Kochar A, Gerberi DJ, **Mullin CJ**, Ahn SH, Sodha NR, Ventetuolo CE, Levine DJ, Abbott BG, Aliotta JM, Poppas A, Abbott JD. Multidisciplinary Care Teams in Acute Cardiovascular Care: A Review of Composition, Logistics, Outcomes, Training, and Future Directions. *J Card Fail*. 2024 Oct;30(10):1367-1383. PMID: 39389747. <https://doi.org/10.1016/j.cardfail.2024.06.020>
20. Mehta A, Bansal M, Singh A, Kompella R, Chanda A, Mehta C, **Mullin CJ**, Abbott JD, Vallabhajosyula S. Hospital-Level Disparities in the Management and Outcomes of Pulmonary Embolism. *Am J Cardiol*. 2025 Apr 1;240:13-16. PMID: 39746562. <https://doi.org/10.1016/j.amjcard.2024.12.030>. Epub 2024 Dec 31
21. Sanders R, Walsh T, Baird G, Atalay M, Agarwal S, Arcuri D, Klinger JR, **Mullin C**, Simmons J, Singh N, Whittenhall ME, Ventetuolo CE. Effects of Dehydroepiandrosterone in Pulmonary Hypertension (EDIPHY): A Randomized, Double-Blind, Placebo-Controlled Crossover Trial. *medRxiv*. 2025 Aug 2;2025.08.01.25332627. PMID: 40766123. PMCID: PMC12324649. <https://doi.org/10.1101/2025.08.01.25332627>. Epub 2025 Aug 2
22. Zhong Z, Wang Y, Bi L, Ma Z, Ahn SH, **Mullin CJ**, Greineder CF, Atalay MK, Collins S, Baird GL, Lin CT, Stayman JW, Kolb TM, Kamel I, Bai HX, Jiao Z. Abn-BLIP: Abnormality-aligned Bootstrapping Language-Image Pre-training for pulmonary embolism diagnosis and report generation from CTPA. *Med Image Anal*. 2025 Aug 30;107(Pt A):103786. PMID: 40945174. <https://doi.org/10.1016/j.media.2025.103786>. Epub 2025 Aug 30

23. Singh N, Lawson J, Ragavendran A, Banerjee S, Hon A, Hong J, **Mullin CJ**, Pereira M, Sherman-Roe A, Jorin AT, Cayton T, Fishbein G, Klinger JR, Oldham W, Dai Z, Fallon M, Harrington EO, Liang OD, Umar S, Ventetuolo CE. The Liver is an Inflammatory Mediator of Pulmonary Arterial Hypertension. *bioRxiv*. 2025 Oct 6;2025.10.03.680270. PMID: 41280027. PMCID: PMC12632639. <https://doi.org/10.1101/2025.10.03.680270>. Epub 2025 Oct 6
24. Wang RS, Singh N, Wathieu H, Baird G, Cox-Flaherty K, Klinger JR, **Mullin CJ**, Pereira M, Whittenhall M, Harrington EO, Maron BA, Ventetuolo CE. Individualized Interactomes from Pulmonary Arterial Hypertension Cell Biopsies Predict Therapeutic Response. *medRxiv*. 2025 Nov 15;2025.11.13.25340200. PMID: 41292616. PMCID: PMC12642752. <https://doi.org/10.1101/2025.11.13.25340200>. Epub 2025 Nov 15
25. Singh N, Lawson J, Ragavendran A, Banerjee S, Hon A, Vega A, Hong J, **Mullin CJ**, Pereira M, Sherman-Roe A, Jorin AT, Cayton T, Fishbein G, Klinger JR, Oldham WM, Wang RS, Dai Z, Fallon M, Harrington EO, Liang OD, Umar S, Ventetuolo CE. Exploring the Lung-Liver Axis in Pulmonary Arterial Hypertension. *ompr Physiol*. 2026 Jun;16(3):e70171. doi: 10.1002/cph4.70171.

OTHER PEER-REVIEWED PUBLICATIONS

1. **Mullin CJ**, Mathai SC. New insights into the recognition, classification and management of systemic sclerosis-associated pulmonary hypertension. *Curr Opin Rheumatol*. 2017 Nov;29(6):561-567. PMID: 28817465. <https://doi.org/10.1097/BOR.0000000000000440>
2. **Mullin CJ**, Klinger JR. Chronic Thromboembolic Pulmonary Hypertension. *Heart Fail Clin*. 2018 Jul;14(3):339-351. PMID: 29966632. <https://doi.org/10.1016/j.hfc.2018.02.009>
3. **Mullin CJ**, Ventetuolo CE. Nothing but a Number? Age and Precision Treatment in Pulmonary Arterial Hypertension. *Am J Respir Crit Care Med*. 2018 Oct 15;198(8):986-988. PMID: 29986149. <https://doi.org/10.1164/rccm.201806-1075ED>
4. **Mullin CJ**, Kato GJ, Ventetuolo CE. Anakinra, What Is Thy Bidding in Pulmonary Hypertension?. *Am J Respir Crit Care Med*. 2019 Feb 1;199(3):267-269. PMID: 30540501. <https://doi.org/10.1164/rccm.201811-2192ED>
5. Theroux CD, Aliotta JM, **Mullin CJ**. High-Risk Pulmonary Embolism: Current Evidence-Based Practices. *R I Med J* (2013). 2019 Dec 2;102(10):43-47. PMID: 31795534. Epub 2019 Dec 2
6. Goncharova EA, Chan SY, Ventetuolo CE, Weissmann N, Schermuly RT, **Mullin CJ**, Gladwin MT. Update in Pulmonary Vascular Diseases and Right Ventricular Dysfunction 2019. *Am J Respir Crit Care Med*. 2020 Jul 1;202(1):22-28. PMID: 32311291. PMCID: PMC7328315. <https://doi.org/10.1164/rccm.202003-0576UP>
7. **Mullin CJ**, Ventetuolo CE. Critical Care Management of the Patient with Pulmonary Hypertension. *Clin Chest Med*. 2021 Mar;42(1):155-165. PMID: 33541609. <https://doi.org/10.1016/j.ccm.2020.11.009>
8. Singh N, **Mullin CJ**. Diagnosis of Pulmonary Hypertension. *R I Med J* (2013). 2021 Sep 1;104(7):30-35. PMID: 34437663. Epub 2021 Sep 1

9. Singh H, **Mullin CJ**. Sleep Disordered Breathing and Exercise in Pulmonary Hypertension. *Advances in Pulmonary Hypertension* (2024) 23 (1): 5–10
10. Shin A, Asaker JC, Abbott JD, **Mullin CJ**, Vallabhajosyula S. Cardiac Tamponade in Pulmonary Hypertension: Management Using Right Heart Catheterization Guidance. *J Soc Cardiovasc Angiogr Interv*. 2025 Apr;4(4):102619. PMID: 40308242. PMCID: PMC12038272. <https://doi.org/10.1016/j.jscai.2025.102619>. Epub 2025 Mar 7
11. **Mullin CJ**, Ventetuolo CE. Soteria: deliverance from harm? *Eur Respir J* 2025; 66: 2500697 [DOI: 10.1183/13993003.00697-2025].

BOOKS AND BOOK CHAPTERS

1. **Mullin CJ**, Mathai SC. Management of the Scleroderma Patients with Pulmonary Arterial Hypertension Failing Initial Therapy. In: *Scleroderma: From Pathogenesis to Comprehensive Care* 2nd ed. Varga J, Denton CP, Wigley FM, Allanore Y, Kuwana M. Springer; 2017.
2. Pradhan NM, **Mullin C**, Poor HD. Biomarkers and Right Ventricular Dysfunction. *Crit Care Clin*. 2020 Jan;36(1):141-153. PMID: 31733676. PMCID: PMC9982435. <https://doi.org/10.1016/j.ccc.2019.08.011>. Epub 2019 Oct 21
3. **Mullin CJ**, Mathai SC. Management of the Scleroderma Patients with Pulmonary Arterial Hypertension Failing Initial Therapy For: *Scleroderma: From Pathogenesis to Comprehensive Care* 3rd ed. Allanore Y, Varga J, Denton CP, Kuwana M, Chung L, Shah AA. Springer; 2024
4. **Mullin CJ**, Klinger JR. Pulmonary Vascular Diseases. In: *Cecil Essentials of Medicine*, 11th Edition. Elsevier

ABSTRACTS

1. **Mullin CJ**, Tedford RJ, Damico RL, Kolb TM, Kass DA, Hassoun PM, Mathai SC. Resting Compliance and Stroke Volume Is Associated with Abnormal Pulmonary Vascular Response to Exercise in Systemic Sclerosis. *ATS 2015 International Conference. Am J Respir Crit Care Med* 191;2015:A4792.
2. **Mullin CJ**, Tedford RJ, Damico RL, Kolb TM, Kass DA, Hassoun PM, Mathai SC. Impact of Definition of Exercise Induced Pulmonary Hypertension on Classification in Systemic Sclerosis. *ATS 2015 International Conference. Am J Respir Crit Care Med* 191;2015:A4791.
3. **Mullin CJ**, Hsu S, Amancherla K, Rhodes PS, Mukherjee M, Damico RL, Kolb TM, Tedford RJ, Kass DA, Hassoun PM, Mathai SC. Resting Hemodynamics Predict Exercise-Induced Pulmonary Hypertension in Systemic Sclerosis. *ATS 2017 International Conference Am J Respir Crit Care Med* 2017;195:A3104
4. **Mullin CJ**, Hsu S, Amancherla K, Wand A, Rhodes P, Leary PJ, Mukherjee M, Damico RL, Kolb TM, Mathai SC, Hassoun PM, Tedford RJ. Evaluation of criteria for exercise-induced pulmonary hypertension in patients with resting pulmonary hypertension. *ATS 2017 International Conference Am J Respir Crit Care Med* 2017

5. **Mullin CJ**, Khair RM, Damico RL, Kolb TM, Hummers LK, Hassoun PM, Steen VD, Mathai SC, PHAROS Investigators. Validation of the REVEAL Prognostic Equation and Risk Score Calculator in Incident Systemic Sclerosis-Associated Pulmonary Arterial Hypertension. ATS 2017 International Conference Am J Respir Crit Care Med 2017;195:A7033
(Presentation)
(Presentation)
6. **Mullin CJ**, Lammi MR, Benza RL, Shlobin OA, Burger CD, J. Elwing JM, Simon M, Mathai SC, Ventetuolo CV. Hospitalization in Connective Tissue Disease Associated Pulmonary Arterial Hypertension: The Pulmonary Hypertension Association Registry. ATS 2020 International Conference
7. Vazquez Z, Cagle G, Chu A, Gordon P, Haines P, **Mullin C**, Klinger J, Karo R, Palmisciano A, Ventetuolo C. The Effects of Left Atrial Appendage Closure on Natriuretic Peptide Levels and Cardiac Filling Pressures. ATS 2020 International Conference
8. Singh N, Eikhoff C, Pereira M, Lui N, Webster C, Dichter A, Eng W, Mai M, Freeman M, Whittenhall ME, Monaghan SF, **Mullin CJ**, Klinger, JR, Harrington EO, Ventetuolo CE. RNA Sequencing of Human Pulmonary Artery Endothelial Cells Predicts the Diagnosis of Pulmonary Hypertension and Provides Insight into Disease Course. ATS 2021 International Conference
9. Cox-Flaherty K, Baird G, DiGregorio R, Klinger JR, **Mullin CJ**, Pereira M, Schmitz N, Singh N, Whittenhall ME, Harrington EO, Ventetuolo CE. Human Pulmonary Artery Endothelial Cell Culture Success Rates from Routine Right Heart Catheterizations. ATS 2022 International Conference
10. LaPatra T, Baird GL, Goodman R, Pinder D, Gaffney M, Klinger JR, Palevsky HI, Fritz J, **Mullin CJ**, Mazurek JA, Kawut SM, Ventetuolo CE. Remote 6-Minute-Walk Testing in Patients with Pulmonary Hypertension: A Pilot Study. ATS 2022 International Conference
11. Millio G, Singh J, Cox-Flaherty KE, Klinger JR, Singh N, Kamel A, **Mullin CJ**, Ventetuolo CE, Sex-Based Differences In Acute Pulmonary Embolism Severity. ATS 2024 International Conference
(Accepted)
12. Singh N, Millio G, Lawson J, Ragavendran A, Mary Whittenhall ME, **Mullin CJ**, Klinger JR, Harrington EO, Ventetuolo CE. MELD-Na Can Predict the Severity of Pulmonary Arterial Hypertension. ATS 2024 International Conference
(Accepted)
13. Lyon ZM, Kolaitis NA, Ventetuolo CE, Mathai SC, Burger CD, Kawut SM, Shlobin O, De Marco T, **Mullin CJ**. Demographic, Hemodynamic, Health-Related Quality of Life, and Longitudinal Outcomes Differences between Connective Tissue Disease-Associated and Idiopathic PAH: The Pulmonary Hypertension Association Registry. ATS 2024 International Conference
(Accepted)
14. Adami A, Cardeur C, Khodabakhsh S, Lawler S, Klinger JR, **Mullin CJ**, Singh N, Whittenhall ME, Ventetuolo CE. Skeletal Muscle Oxidative Capacity Is Impaired in Middle-Aged Adults With Pulmonary Arterial Hypertension: A Pilot Study. ATS 2025 International Conference

15. Aijaz S, Cox-Flaherty K, Baird G, Klinger JR, **Mullin CJ**, Singh N, Whittenhall ME, Ventetuolo CE, Jorin AT, Atalay M, Al-Naamani N. Paracardial Adipose Tissue and Right Ventricular Dysfunction in Pulmonary Arterial Hypertension. ATS 2025 International Conference
16. Singh N, Hong J, **Mullin CJ**, Klinger JR, Whittenhall ME, Jorin AT, Promrat K, Harrington EO, Lian OD, Umar S, Venettuolo CE. Hepatic Inflammation and BMP9 Dysfunction in Pulmonary Arterial Hypertension. ATS 2025 International Conference
17. Lynn K, Sherman-Roe AE, Kruse E, Payne A, Kant S, Zhang Y, Paasche C, Zhen C, Snuckel M, Greene RA, Hauspurg A, Singh N, Klinger JR, Banerjee D, Ventetuolo CE, **Mullin CJ**. Immediate Postpartum Sotatercept for the Treatment of Heritable Pulmonary Arterial Hypertension Diagnosed in Pregnancy. ATS 2026 International Conference
18. Sherman-Roe AE, Sherman-Roe AD, Pereira M, Bourjeily GR, Zhou Y, Jorin AT, Singh N, Oldham WM, **Mullin CJ**, Klinger JR, Ventetuolo CE. The Role of Fetal Microchimerism in Pulmonary Arterial Hypertension. ATS 2026 International Conference
19. Varga S, Sanders, RS, Apruzzese P, Walsh T, Baird GL, Atalay MK, Agarwal S, Arcuri D, Klinger JR, **Mullin CJ**, Simmons S, Singh N, Shiva S, Ventetuolo CE. Dehydroepiandrosterone Treatment and Nitric Oxide Signaling in Pulmonary Arterial Hypertension. ATS 2026 International Conference
20. Lynn K, Thorsen, MM, Sherman-Roe AE, Jacobson A, Del Priore DR, Skaritanov E, Jamoor K, Albert-Stone E, Brown J, Dunlop M, Mock GS, Vakharia S, Aijaz S, Ronan C, Snuckel ME, Darling D, Ansari, S, Ballenberger M, Singh, N, Foderaro A, Banerjee D, Bourjeily GR, Russo M, Ventetuolo CE, **Mullin CJ**. Staying Ahead of the Curve: Multidisciplinary Management of Pregnancy With Acute-on-Chronic Respiratory Failure From Multiple Pterygium Syndrome and Kyphoscoliosis. ATS 2026 International Conference
21. Singh N, Pereira M Sherman-Roe AD, Cayton T, Dennett A, Jackson L, Jorin AT, Klinger JR, Lahm T, Massad KM, **Mullin CJ**, Oldham WM, Patrick C, Sanders RS, Tambe DT, Harrington EO, Liang O, Stevens T, Ventetuolo CE. Single-cell RNA Sequencing of Pulmonary Artery Endothelial Cell Biopsies Characterizes Endothelial Heterogeneity in Pulmonary Vascular Disease. ATS 2026 International Conference

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA (NON PEER REVIEWED)

1. *Pulmonary Hypertension & Sick Cell Disease*. Pulmonary Hypertension & Brochure Series. Pulmonary Hypertension Association. <https://phassociation.org/patients/aboutph/diseases-and-conditions-associated-with-ph/sickle-cell-disease/>
NON-PEER-REVIEWED
2. PH Insights Podcast: Silent Threats: Blood Clots and Pulmonary Hypertension
<https://phinsights.podbean.com/e/silent-threats-blood-clots-and-pulmonary-hypertension/>
3. *Pulmonary Hypertension Emergencies*. American College of Cardiology. Adult Congenital Heart Disease Self Assessment Program.

INVITED PRESENTATIONS

Regional

1. *Hypoxia and Altered Mental Status in the Intensive Care Unit*, Pulmonary Grand Rounds, 10/10/2013, Johns Hopkins University School of Medicine. Baltimore, MD, 10/2013
2. *Empyema Thoracis: Early History of Chest Drainage*, Pulmonary Grand Rounds, 11/21/2013, Johns Hopkins University School of Medicine. Baltimore, MD, 11/2013
3. *Mellow Yellow: A refreshing case of jaundice in the ICU*, Pulmonary Grand Rounds, 1/30/2014, Johns Hopkins University School of Medicine. Baltimore, MD, 1/2014
4. *Can't breathe, Won't breathe*, Pulmonary Grand Rounds, 3/27/2014, Johns Hopkins University School of Medicine. Baltimore, MD, 3/2014
5. *Predicting the Future in Systemic Sclerosis-Associated Pulmonary Arterial Hypertension*, Lung Research Conference, 12/1/2016, Johns Hopkins University School of Medicine. Baltimore, MD, 12/2016
6. *Exercise-Induced Pulmonary Hypertension: What does it mean?*, 9/29/2017, Brown Chest Conference. Providence, RI, 9/2017
7. *Perioperative Management of Pulmonary Hypertension*. Cardiothoracic Surgery Lecture Series. 3/28/2018, Rhode Island Hospital, Providence, RI, 3/2018
8. *Pulmonary Function Test Interpretation*. Respiratory Care Week Lecture Series. 10/24/2018, Rhode Island Hospital, Providence, RI, 10/2018 †
9. *Hemodynamic Assessment in Pulmonary Hypertension- Avoiding the Pitfalls*. Ethiopia Project Echo. 3/1/2019, Brown University, Providence, RI, 3/2019
10. *Screening the Screener: The X's and O's of Post-PE Follow Up*. 5/31/2019, Brown Chest Conference. Providence, RI, 5/2019
11. *Screening for PAH in Systemic Sclerosis: An update for the new decade*. 1/3/2020, Brown Chest Conference. Providence, RI, 1/2020
12. *2 Legit 2 Treat? Diagnostic and Therapeutic Considerations for WHO Group 2 Pulmonary Hypertension*. 11/6/2020, Brown Chest Conference. Providence, RI, 11/2020
13. *Update in Pulmonary Hypertension Associated with Connective Tissue Disease*. 2/19/2021, Brown Rheumatology Grand Rounds. Providence, RI, 2/2021
14. *Risky Business: Venturing into Risk Assessment in PAH*. 3/25/2022, Brown Chest Conference. Providence, RI, 3/2022
15. *Pulmonary Complications of Systemic Sclerosis*. 6/16/2022, Brown Pulmonary and Critical Care Fellowship Conference. Providence, RI, 6/2022
16. *Back in the Saddle Again? Reexamining Exercise Pulmonary Hypertension*. 12/9/2022, Brown Chest Conference. Providence, RI, 12/2022

17. *Pulmonary Hypertension for the Cardiology Fellow*. Cardiology Fellow Lecture Series. 6/27/2023, Rhode Island Hospital. Providence, RI, 6/2023
18. *Chronic Thromboembolic Pulmonary Hypertension*. 11/16/2023, Kent Hospital/Care New England Pulmonary Hypertension Lecture Series. Providence, RI, 11/2023
19. *Balloon Pulmonary Angioplasty: Up, Up, and Away!*, Grand Rounds, Brown Chest Conference. Providence, RI, 4/2024
20. *Updates in Pulmonary Thromboembolic Disease*, Grand Rounds, Grand Rounds at Roger Williams Medical Center. Providence, RI, 1/2025
21. Management of Right Ventricular Failure in the ICU, Invited Lecture, New York State Thoracic Society. Rochester, NY, 3/2026

National

1. *Exercise and physical activity with PH: What's safe? and Healthy diet and lifestyle choices in PH: Managing your diuretics and fluids*. 7/29/2017, Pulmonary Hypertension Association (PHA) On the Road. Providence, RI, 7/2017
2. *Diagnosis of Pulmonary Hypertension*. Pulmonary Hypertension. A Six-hour Interprofessional Symposium. 6/1/2018, Institute for Continuing Education of the 1199SEIU League Training and Upgrading Fund and 1199SEIU United Healthcare Workers East Professional and Technical Department. New York, NY, 6/2018
3. Management of Right Ventricular Failure in the ICU, Invited Lecture, Pulmonary Vascular Disease APOLLO Lecture Series (PALS), 4/2026

International

1. *Right Ventricular End-Systolic Regional Wall Stress is Associated with Invasive Measures of Right Ventricular Afterload*. 5/16/16, American Thoracic Society 2016 International Conference. San Francisco, CA, 5/2016
2. *Validation of the REVEAL Registry Prognostic Equation and Risk Score Calculator in Incident Systemic Sclerosis-Associated Pulmonary Arterial Hypertension*. 5/24/2017, American Thoracic Society 2017 International Conference. Washington DC, 5/2017
3. *Let's Get Moving: Physical Activity and Exercising Safely With Pulmonary Hypertension*. 6/30/2018, Pulmonary Hypertension Association 2018 PH Conference and Scientific Sessions: PHinding Your Hope. Orlando, FL, 6/2018
4. *Networking Breakfast: Men with Pulmonary Hypertension*. 6/30/2018, Pulmonary Hypertension Association 2018 PH Conference and Scientific Sessions: PHinding Your Hope. Orlando, FL, 6/2018 †

5. *Con: Catheter Based Rx (Thrombolysis) is Not Useful for Acute PE Management of Acute Pulmonary Embolism: A Pro/Con Debate.* 10/8/2018, Chest (American College of Chest Physicians) Annual Meeting. San Antonio, TX, 10/2018
6. *The Role of Exercise in the Evaluation of Pulmonary Hypertension.* 10/8/2018, Chest (American College of Chest Physicians) Annual Meeting. San Antonio, TX, 10/2018
7. *The Ideal Acute PE Patient for Catheter-Based Treatment.* 10/21/2019, Chest (American College of Chest Physicians) Annual Meeting. New Orleans, LA, 10/2019
8. *Adjunctive and Supportive Therapies in Neuromuscular Disease Patients Unique Physiologic Considerations in Patients With Neuromuscular Disease.* 10/22/2019, Chest (American College of Chest Physicians) Annual Meeting. New Orleans, LA, 10/2019
9. *Pulmonary Manifestations in Scleroderma: An Overview in Too Much of a Good Thing or Not Enough? Treating Scleroderma with ILD and PH: A Pro-Con Debate.* 10/17/2020, Chest (American College of Chest Physicians) Annual Meeting. (Virtual), 10/2020
10. *Myth or Truth: Patients With Intermediate Risk Pulmonary Embolism Should Undergo Catheter Directed Therapy,* Chair. 5/15/2022, American Thoracic Society 2022 International Conference. San Francisco, CA, 5/2022
11. *Sex and Race in the Care of Pulmonary Embolism* in: Call to Action: Healthcare Disparities and Hormones in Pulmonary Vascular Disease. 10/8/2023, Chest (American College of Chest Physicians) Annual Meeting. Honolulu, HI, 10/2023 †
12. *Con: Patients with mPAP 20-25mmHg and PVR 2-3WU Should NOT Be Treated with Pulmonary Vasodilators* in: Applicability of the New ESC/ERS PAH Guidelines in the US: A Pro-Con Debate. 10/9/2023, Chest (American College of Chest Physicians) Annual Meeting. Honolulu, HI, 10/2023
13. *“You’re The Swan That I Want!”: A Primer On Right Heart Catheterization.* Facilitator for Postgraduate Course., Postgraduate Course, American Thoracic Society 2024 International Conference. San Diego, CA, 5/2024
14. *A Swan Dive Into Hemodynamics: Mastering Pulmonary Artery Catheters.* Facilitator for Postgraduate Course., Postgraduate Course, American Thoracic Society 2025 International Conference. San Francisco, CA, 5/2025
15. *WAVE GOODBYE TO CONFUSION: RIGHT HEART CATHETERIZATION AND WAVEFORM INTERPRETATION.* Facilitator for Postgraduate Course., Postgraduate Course, American Thoracic Society 2026 International Conference. Orlando, FL, 5/2026

† Diversity, Equity, and Inclusion (DEI) activity

GRANTS:

1. F32 HL129687 NIH Detection of Early Pulmonary Vascular Disease in Scleroderma Role: PI	9/2015-6/2017	Total direct cost: \$134,836
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UNIVERSITY TEACHING ROLES

- 2012-2013 Foundations of Clinical Medicine Tutorials, Class size: 4, Columbia University College of Physicians and Surgeons
Small Group Instructor
 - Instructed and supervised history and physicals for preclinical medical students at CUMC. This included direct observation of patient interviews and examinations, along with written feedback and edits of case write ups
- 2015-2017 Transition to Residency and Internship and Preparation for Life (TRIPLE), Class size: 8, Johns Hopkins University School of Medicine
Instructor
 - Instructed small groups of 4th year medical students at Johns Hopkins as part of the preparations for transitioning to internship. Responsibilities included running a “mock code” in the Simulation Center and teaching how to pronounce death and communicate death of a loved one to families.
- 8/2016-12/2016 Design of Clinical Studies, Science of Clinical Investigation Training Program, Class size: 25, Johns Hopkins Bloomberg School of Public Health
Teaching Assistant
 - Worked as a teaching assistant, under Dr. Christian Merlo, for a course and the School of Public Health. Responsibilities included attending and facilitating in class room activities, grading and providing written feedback on proposed clinical trial designs.
- 9/2017, 9/2018, 9/2019, 9/2020, 9/2021, 9/2022, 9/2023, 9/2024, 9/2025 Pulmonary Course (Med Ed-BIOL3663), Class size 8-12, Warren Alpert Medical School of Brown University
Small Group Instructor
- 9/2018- Pulmonary Course (Med Ed-BIOL3663), *Physiology of Exercise*, *Pulmonary Journal Club*, *Pulmonary Embolism.*, Class Size: 140, Warren Alpert Medical School of Brown University
Course Lecturer

HOSPITAL TEACHING ROLES

- 2015-2016 Internal Medicine Housestaff Morning Report, Average Class Size: 40, Johns Hopkins Bayview
Discussant

2017-	Pulmonary and Critical Care Fellows Summer Lecture Series and Core Curriculum, Average class size: 12, Providence, RI. Lecturer
2018-	Internal Medicine Residency Morning Report, Average Class Size 45, Brown Internal Medicine Grand Rounds Faculty Discussant
7/2018-	Community Based Teaching Program, Class size 1-2, Brown University Internal Medicine Residency Program Preceptor
1/2023-	Pulmonary Noon Conference, Average class size 30, Brown Internal Medicine Residency Program, Providence, RI. Lecturer

ADVISING AND MENTORING ROLES

2018-2021	Katherine Cox-Flaherty, MD, Faculty Mentor , Brown Pulmonary, Critical Care, and Sleep Fellowship Program, Providence, RI
7/2018-6/2020	Mentee: Christopher Theroux, MD, Mentor , Community Based Teaching Program, Brown University Internal Medicine Residency Program
2019-2022	Navneet Singh, MD, Faculty Mentor , Brown Pulmonary, Critical Care, and Sleep Fellowship Program, Providence, RI
7/2020-6/2022	Mentee: Edward Daingerfield, MD, Mentor , Community Based Teaching Program, Brown University Internal Medicine Residency Program
7/2020-6/2022	Mentee: Quincy Brown, MD, Mentor , Community Based Teaching Program, Brown University Internal Medicine Residency Program †
7/2022-6/2024	Mentee: Henri Wathieu, MD, Mentor , Community Based Teaching Program, Brown University Internal Medicine Residency Program, 7/2022- 6/2024
7/2023-6/2025	Mentee: Emily Kruse, MD, Mentor , Community Based Teaching Program, Brown University Internal Medicine Residency Program, 7/2023-6/2025
7/2024-6/2026	Mentee: Keara Lynn, MD, Mentor , Community Based Teaching Program, Brown University Internal Medicine Residency Program, 7/2024- 6/2026
7/2025-	Mentee: Jeeyong Shin, MD, Mentor , Community Based Teaching Program, Brown University Internal Medicine Residency Program, 7/2025- Present (6/2027)
7/2026-	Mentee: Meenu Johnkuty, MD, Mentor , Community Based Teaching Program, Brown University Internal Medicine Residency Program, 7/2026- Present (6/2028)

† Diversity, Equity, and Inclusion (DEI) activity

