

CV Template of KATRD International Conference 2020

Name	Mary B. Rice	
Country	U.S.A.	
Organization	Beth Israel Deaconess Medical Center, Harvard Medical School	
Current Position	Assistant Professor of Medicine	

Educational Background

Education

06/99	B.A.	Environmental Science and Public Policy	Harvard College
05/02	Postbac certificate	PreMed	Columbia University
06/07	M.D.	Medicine	Harvard Medical School
06/15	M.P.H.	Clinical Effectiveness	Harvard School of Public Health

Postdoctoral Training

07/07 – 06/08	Intern	Internal Medicine	Massachusetts General Hospital
07/08 – 06/10	Resident	Internal Medicine	Massachusetts General Hospital
07/10 – 06/14	Clinical Fellow	Pulmonary & Critical Care Medicine	Massachusetts General Hospital/ Brigham and Women's/ Beth Israel Deaconess Medical Center

Professional Experiences

Faculty Academic Appointments

07/14- 06/16	Instructor	Medicine	Harvard Medical School
06/16-	Assistant Professor	Medicine	Harvard Medical School

Major Administrative Leadership Positions:

2018-	Director, Institute for Lung Health	BIDMC, Department of Medicine
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Professional Organizations

Professional Societies

2003 – 2007	American Medical Student Association	Member
2004 - 2010	Physicians for Social Responsibility	Member
2007 -2010	Massachusetts Medical Society	Member, Occupational and Environmental Health Committee

2012-	American Thoracic Society	
2012-2018	Early Career Professional Development Committee, Environmental, Occupational and Population Health (EOPH) Assembly	Member
2012 – present	Environmental Health Policy Committee	Member Vice-Chair 2015-2018 Chair 2018–present
2016 – present	Program Committee, EOPH Assembly	Member
2016 – present	Planning Committee, EOPH Assembly	Member
2014-	International Society for Environmental Epidemiology	Member
2018 – present	North American Chapter	Founding Member
2018-	Forum of International Respiratory Societies	Environmental Committee Member

Main Scientific Publications

1. **Rice MB**, Cavallari J, Fang S, Christiani D. Acute decrease in HDL cholesterol associated with exposure to welding fumes. *J Occup Environ Med*. 2011 Jan; 53(1):17-21.
2. **Rice MB**, Ljungman PL, Wilker EH, Gold DR, Schwartz JD, Koutrakis P, Washko GR, O'Connor GT, Mittleman MA. Short-term exposure to air pollution and lung function in the Framingham Heart Study. *Am J Respir Crit Care Med*. 2013 Dec 1;188(11):1351-7.
3. **Rice MB**, Rifas-Shiman SL, Oken E, Gillman MW, Ljungman PL, Litonjua AA, Schwartz J, Coull BA, Zanobetti A, Koutrakis P, Melly SJ, Mittleman MA, Gold DR. Exposure to traffic and early life respiratory infection: A cohort study. *Pediatr Pulmonol*. 2014 Mar 27. doi: 10.1002/ppul.23029. [Epub ahead of print].
4. Wilker EH, Ljungman PL, **Rice MB**, Kloog I, Schwartz J, Gold DR, Koutrakis P, Vita JA, Mitchell GF, Vasan RS, Benjamin EJ, Hamburg NM, Mittleman MA. Relation of long-term exposure to air pollution to brachial artery flow-mediated dilation and reactive hyperemia. *Am J Cardiol*. 2014 Jun 15;113(12):2057-63.
5. Ljungman PL, Wilker EH, **Rice MB**, Schwartz J, Gold DR, Koutrakis P, Vita JA, Mitchell GF, Vasan RS, Benjamin EJ, Mittleman MA, Hamburg NM. Short-term exposure to air pollution and digital vascular function. *Am J Epidemiol*. 2014 Sep 1;180(5):482-9.
6. **Rice MB**, Ljungman PL, Wilker EH, Dorans KS, Gold DR, Schwartz JD, Koutrakis P, Washko GR, O'Connor GT, Mittleman MA. Long-Term Exposure to Traffic Emissions and Fine Particulate Matter and Lung Function Decline in the Framingham Heart Study. *Am J Respir Crit Care Med*. 2015 Mar 15;191(6):656-64.
7. Papatheodorou SI, Buettner H, **Rice MB**, Mittleman MA. Recent marijuana use and associations with exhaled nitric oxide and pulmonary function in US adults. *Chest*. 2016 Jun;149(6):1428-35.
8. Ljungman PL, Wilker EH, **Rice MB**, Austin E, Schwartz J, Gold DR, Koutrakis P, Benjamin EJ, Vita JA, Mitchell GF, Vasan RS, Hamburg NM, Mittleman MA. The Impact of Multipollutant Clusters on the Association Between Fine Particulate Air Pollution and Microvascular Function. *Epidemiology*. 2016 Mar; 27(2):194-201.
9. **Rice MB**, Rifas-Shiman SL, Litonjua AA, Oken E, Gillman MW, Kloog I, Luttmann-Gibson H, Zanobetti A, Coull BA, Schwartz J, Koutrakis P, Mittleman MA, Gold DR. Lifetime Exposure to Ambient Pollution and Lung Function in Children. *Am J Respir Crit Care Med*. 2016 Apr 15; 193(8):881-8.
10. Li W, Wilker EH, Dorans KS, Rice MB, Schwartz J, Coull BA, Koutrakis P, Gold DR, Keaney JF, Lin H, Vasan RS, Benjamin EJ, Mittleman MA. Short-Term Exposure to Air Pollution and Biomarkers of Oxidative Stress: The Framingham Heart Study. *J Am Heart Assoc*. 2016 Apr 28; 5(5).
11. Dorans KS, Wilker EH, Li W, **Rice MB**, Ljungman PL, Schwartz J, Coull BA, Kloog I, Koutrakis P, D'Agostino RB, Massaro JM, Hoffmann U, O'Donnell CJ, Mittleman MA. Residential Proximity to Major Roads, Exposure to Fine Particulate Matter, and Coronary Artery Calcium: The Framingham Heart Study. *Arterioscler Thromb Vasc Biol*. 2016 Aug; 36(8):1679-85.
12. Dorans KS, Wilker EH, Li W, **Rice MB**, Ljungman PL, Schwartz J, Coull BA, Kloog I, Koutrakis P, D'Agostino RB, Massaro JM, Hoffmann U, O'Donnell CJ, Mittleman MA. Residential proximity to major roads, exposure to fine

- particulate matter and aortic calcium: the Framingham Heart Study, a cohort study. *BMJ Open*. 2017 Mar 16; 7(3):e013455.
13. Li W, Dorans KS, Wilker EH, **Rice MB**, Ljungman PL, Schwartz JD, Coull BA, Koutrakis P, Gold DR, Keaney JF, Vasani RS, Benjamin EJ, Mittleman MA. Short-Term Exposure to Ambient Air Pollution and Biomarkers of Systemic Inflammation: The Framingham Heart Study. *Arterioscler Thromb Vasc Biol*. 2017 Sep; 37(9):1793-1800.
 14. Li W, Dorans KS, Wilker EH, **Rice MB**, Long MT, Schwartz J, Coull BA, Koutrakis P, Gold DR, Fox CS, Mittleman MA. Residential Proximity to Major Roadways, Fine Particulate Matter, and Hepatic Steatosis: The Framingham Heart Study. *Am J Epidemiol*. 2017 Oct 01; 186(7):857-865.
 15. Li W, Dorans KS, Wilker EH, **Rice MB**, Kloog I, Schwartz JD, Koutrakis P, Coull BA, Gold DR, Meigs JB, Fox CS, Mittleman MA. Ambient air pollution, adipokines, and glucose homeostasis: The Framingham Heart Study. *Environ Int*. 2018 Feb; 111:14-22. PMID: 29161632.
 16. **Rice MB**, Rifas-Shiman SL, Litonjua AA, Gillman MW, Kloog I, Liebman N, Luttmann-Gibson H, Coull BA, Schwartz J, Koutrakis P, Oken E, Mittleman MA, Gold DR. Lifetime Air Pollution Exposure and Asthma in a Pediatric Birth Cohort. *J Allergy Clin Immunol*. 2018 Feb 01. PMID: 29410045.
 17. **Rice MB**, Li W, Dorans KS, Wilker EH, Ljungman P, Gold DR, Schwartz J, Koutrakis P, Kloog I, Araki T, Hatabu H, San Jose Estepar R, O'Connor GT, Mittleman MA, Washko GR. Exposure to Traffic Emissions and Fine Particulate Matter and Computed Tomography Measures of the Lung and Airways. *Epidemiology*. 2018 May; 29(3):333-341. PMID: 29384790.
 18. Ljungman PLS, Li W, **Rice MB**, Wilker EH, Schwartz J, Gold DR, Koutrakis P, Benjamin EJ, Vasani RS, Mitchell GF, Hamburg NM, Mittleman MA. Long- and short-term air pollution exposure and measures of arterial stiffness in the Framingham Heart Study. *Environ Int*. 2018 Dec; 121(Pt 1):139-147. PMID: 30205320.
 19. **Rice MB**, Li W, Wilker EH, Gold DR, Schwartz J, Zanobetti A, Koutrakis P, Kloog I, Washko GR, O'Connor GT, Mittleman MA. Association of outdoor temperature with lung function in a temperate climate. *Eur Respir J*. 2019 Jan; 53(1). PMID: 30578386.
 20. Synn AJ, Zhang C, Washko GR, San José Estépar R, O'Connor GT, Li W, Mittleman MA, **Rice MB**. Cigarette Smoke Exposure and Radiographic Pulmonary Vascular Morphology in the Framingham Heart Study. *Ann Am Thorac Soc*. 2019 Feb 04. PMID: 30714821.
 21. Li W, Dorans KS, Wilker EH, **Rice MB**, Ljungman PL, Schwartz JD, Coull BA, Koutrakis P, Gold DR, Keaney JF, Vasani RS, Benjamin EJ, Mittleman MA. Short-term exposure to ambient air pollution and circulating biomarkers of endothelial cell activation: The Framingham Heart Study. *Environ Res*. 2019 Apr; 171:36-43. PMID: 30654247.
 22. Nyhan MM, **Rice M**, Blomberg A, Coull BA, Garshick E, Vokonas P, Schwartz J, Gold DR, Koutrakis P. Associations between ambient particle radioactivity and lung function. *Environ Int*. 2019 Jun 11; 130:104795. PMID: 31200155.
 23. Coulson E, Rifas-Shiman SL, Sordillo J, Bunyavanich S, Camargo CA, Platts-Mills TAE, Coull BA, Luttmann-Gibson H, Oken E, Gold DR, **Rice MB**. Racial, ethnic, and socioeconomic differences in adolescent food allergy. *J Allergy Clin Immunol Pract*. 2019 Jun 22. PMID: 31233938.
 24. Jhun I, Kim J, Cho B, Gold DR, Schwartz J, Coull BA, Zanobetti A, **Rice MB**, Mittleman MA, Garshick E, Vokonas P, Bind MA, Wilker EH, Dominici F, Suh H, Koutrakis P. Synthesis of Harvard Environmental Protection Agency (EPA) Center studies on traffic-related particulate pollution and cardiovascular outcomes in the Greater Boston Area. *J Air Waste Manag Assoc*. 2019 Aug; 69(8):900-917. PMID: 30888266.
 25. **Rice MB**, Li W, Schwartz J, Di Q, Kloog I, Koutrakis P, Gold DR, Hallowell RW, Zhang C, O'Connor GT, Washko GR, Hunninghake GM, Mittleman MA. Ambient Air Pollution Exposure and Risk and Progression of Interstitial Lung Abnormalities: the Framingham Heart Study. *Thorax*. 2019 Aug 07. PMID: 31391318.
 26. Synn AJ, Li W, San José Estépar R, Zhang C, Washko GR, O'Connor GT, Araki T, Hatabu H, Bankier AA, Mittleman MA, **Rice MB**. Radiographic pulmonary vessel volume, lung function and airways disease in the Framingham Heart Study. *Eur Respir J*. 2019 Sep; 54(3). PMID: 31248956.
 27. Sordillo JE, Rifas-Shiman SL, Switkowski K, Coull B, Gibson H, **Rice M**, Platts-Mills TAE, Kloog I, Litonjua AA, Gold DR, Oken E. Prenatal oxidative balance and risk of asthma and allergic disease in adolescence. *J Allergy Clin Immunol*. 2019 Dec; 144(6):1534-1541.e5. PMID: 31437488.
 28. Flashner BM, Rifas-Shiman SL, Oken E, Camargo CA, Platts-Mills TJ, Workman L, Litonjua AA, Gold DR, **Rice MB**. Obesity, sedentary lifestyle, and exhaled nitric oxide in an early adolescent cohort. *Pediatr Pulmonol*. 2019 Dec 05. PMID: 31805224.
 29. Synn AJ, Li W, Hunninghake GM, Washko GR, San José Estépar R, O'Connor GT, Kholdani CA, Hallowell RW, Bankier AA, Mittleman MA, **Rice MB**. Vascular Pruning on Computed Tomography and Interstitial Lung Abnormalities in the Framingham Heart Study. *Chest*. 2020 Aug 13. PMID: 32798523.
 30. Synn AJ, Li W, San José Estépar R, Washko GR, O'Connor GT, Tsao CW, Mittleman MA, **Rice MB**. Pulmonary Vascular Pruning on Computed Tomography and Risk of Death in the Framingham Heart Study. *Am J Respir Crit Care Med*. 2020 Sep 14. PMID: 32926788.