

Committee on Energy and Commerce
U.S. House of Representatives
Witness Disclosure Requirement - "Truth in Testimony"
Required by House Rule XI, Clause 2(g)(5)

1. Your Name: Gregory B. Diette MD, MHS		
2. Your Title: Professor of Medicine Division of Pulmonary and Critical Care Medicine The Johns Hopkins University School of Medicine		
3. The Entity(ies) You are Representing: American Thoracic Society		
4. Are you testifying on behalf of the Federal, or a State or local government entity?	Yes	No X
5. Please list any Federal grants or contracts, or contracts or payments originating with a foreign government, that you or the entity(ies) you represent have received on or after January 1, 2013. Only grants, contracts, or payments related to the subject matter of the hearing must be listed. See attached		
6. Please attach your curriculum vitae to your completed disclosure form. See attached		

Signature: _____

Date: _____

6/11/15

**Gregory B. Diette MD
Federal Grants and Awards**

Project	Source	Grant/Contract Number	Years	Funding
K-24 Mentoring and Patient Oriented Research in Asthma	NIH/NIEHS	K24 ES021098	9/01/2012-31/2017	Annual Direct: \$182,540.00
Mechanisms of asthma-dietary interventions against environmental triggers	NIH/NIEHS/EPA	P01 ES01876	9/01/2009-7/31/2013	Total Direct: \$4,999.821
Genetic susceptibility to asthma and indoor air pollution in Peru	NIH/NIEHS	R01 ES018845	9/7/2010-4/30/2015	Annual Direct Cost: \$433,836
Statistical methods for complex environmental health data	NIH/NIEHS	R01 ES019560	2/18/2011 – 12/31/2015	Annual Direct: \$243,746
SCCOR: Mechanisms and Treatment of COPD Progression	NIH/NHLBI	1P50HL084945-01	9/14/2007-8/31/2013	Annual Direct: \$1,957,399
Center for Childhood Asthma in Urban Environments: The Role of Particulate Matter and Allergens in Oxidative Stress in Asthma	NIH/NIEHS	1P50ES015903	9/29/2007-6/30/2013	Annual Direct: \$1,607,733
The Impact of Particulate Matter Exposure on Non-allergic Asthma	NIH/NIEHS	5K23 ES016819	7/1/2008-6/30/2013	Total Direct: \$755,875

ATS Federal Support

Source	Project	Amount			Project/Award #
		2013	2014	2015	
National Heart Lung & Blood Institute (NHLBI)	Publications Support: "Primary Prevention of Chronic Lung Diseases Strategic Planning Workshop"	\$ 24,640.00			n/a
National Heart Lung & Blood Institute (NHLBI)	Travel Support for MECOR	\$ 25,520.00			HHSN268200900034C
National Institutes of Health (NIH)	Publications Support: "Primary Ciliary Dyskinesia and Overlapping Syndromes" in <i>Proceedings of the ATS Journal</i> Vol 8#5, 9/15/2011				n/a
Center for Disease Control (CDC)	MECOR Program Grant 2013	\$ 22,000.00			200-2011-M-40789
Center for Disease Control (CDC)	Stop TB USA Partnership (9/2012-9/2017)	\$ 94,602.00	\$ 96,817.00	\$ 96,817.00	U52 P5003781
Center for Disease Control (CDC)	Asthma EHR SME Workplan		\$ 10,000.00	\$ 12,280.00	000HCCHD-2014-693390
TB Care/USAID	Subcontract: TB Care Program	\$498,007.89	\$783,850.59	\$ -	AID-OAA-A-10-00020

CURRICULUM VITAE
The Johns Hopkins University School of Medicine

March 2015

GREGORY B. DIETTE, MD, MHS**DEMOGRAPHIC AND PERSONAL INFORMATION****Current Appointment:***University:*

Professor of Medicine
Division of Pulmonary and Critical Care Medicine
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Education and Training

- 1981-1986 B.S. The University of Pennsylvania Wharton School, Philadelphia, PA.
BS degree in economics. Concentration: Management of Entrepreneurship
- 1981-1986 B.A. The University of Pennsylvania School of Arts and Sciences
Philadelphia, PA. English; Minor in Chemistry
- 1986-1990 M.D. Temple University School of Medicine, Philadelphia, PA
- 1995-1997 M.H.S. Johns Hopkins University, School of Hygiene and Public Health
Epidemiology; Clinical Epidemiology

Post-Doctoral Training

- 1990-1993 Intern-Resident, Department of Internal Medicine, Hospital of the University of
Pennsylvania, Philadelphia, PA
- 1994-1995 Clinical Fellow, Division of Pulmonary and Critical Care, Johns Hopkins University School
of Medicine, Baltimore, MD
- 1995-1998 Research Fellow, Division of Pulmonary and Critical Care, Johns Hopkins University School
of Medicine, Baltimore, MD

Professional Experience:

- 1991-1993 Assistant Clinical Instructor, University of Pennsylvania School of Medicine, Philadelphia,
PA
- 1993-1994 Clinical Instructor, University of Pennsylvania School of Medicine, Philadelphia, PA
- 1993-1994 Attending Physician, Full-time, Department of Emergency Medicine, Hospital of the
University of Pennsylvania, Philadelphia, PA
- 1996-1999 Senior Physician Scientist, Quality Assessment and Improvement Systems Division, Covance
Health Economics and Outcomes Services. Washington, D.C.
- 1998-2000 Instructor, Departments of Medicine and Epidemiology, Johns Hopkins University,
Baltimore, MD
- 1998-present Attending Physician, Department of Medicine, Johns Hopkins Hospital and Johns Hopkins
Bayview Medical Center, Baltimore, MD
Duties include outpatient practice devoted to adult asthma and general pulmonary medicine;
inpatient care in acute care hospital and intensive care units.
- 1998-present Core Faculty, Program for Medical Practice and Technology Assessment, Johns Hopkins
University, Baltimore, MD

- 2000-2005 Assistant Professor of Medicine, Departments of Medicine and Epidemiology, Johns Hopkins University, Baltimore, MD
- 2005-2011 Associate Professor of Medicine, Departments of Medicine and Epidemiology, Johns Hopkins University, Baltimore, MD
- 2001-present Director of Clinical Research, Division of Pulmonary and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, MD.
- 2011-Present Professor of Medicine, Schools of Medicine and Public Health, Johns Hopkins University, Baltimore, MD
- 2011-Present Director, Obstructive Lung Disease Program, Division of Pulmonary and Critical Care Medicine, Johns Hopkins University, Baltimore, MD

RESEARCH ACTIVITIES

Original Research

1. Grasso M, Weller WE, Shaffer TJ, **Diette GB**, Anderson GF. Capitation, Managed Care, and Chronic Obstructive Pulmonary Disease. *American Journal of Respiratory and Critical Care Medicine* 1998;158:133-138.
2. **Diette GB**, White P, Terry P, Jenckes M, Wise RA, Rubin H. Quality Assessment through Patient Self-Report of Symptoms Pre- and Post- Fiberoptic Bronchoscopy. *Chest* 1998;114:1446-1453.
3. **Diette GB**, Wiener CM, White P. The Higher Risk of Bleeding in Lung Transplant Recipients from Bronchoscopy is Independent of Traditional Bleeding Risks: Results of a Prospective Cohort Study. *Chest* 1999;115:397-402.
4. **Diette GB**, Wu AW, Skinner EA, Clark R, Markson L, McDonald R, Huber M, Markson L, Steinwachs D. Treatment Patterns Among Adult Asthmatics: Factors Associated with Overuse of Inhaled β -Agonists and Underuse of Inhaled Corticosteroids. *Archives of Internal Medicine* 1999;159: 2697-2704.
5. Barr LF, Campbell SE, **Diette GB**, Gabrielson EW, Kim S, Shim H, Dang CV. C-Myc Suppresses the Tumorigenicity of Lung Cancer Cells and Down-regulates Vascular Endothelial Growth Factor Expression. *Cancer Research* 2000; 60:143-9.
6. **Diette GB**, White P, Terry P, Jenckes M, Rosenthal D, Rubin HR. Utility of On-site Cytopathology Assessment for Bronchoscopic Evaluation of Lung Masses and Adenopathy. *Chest* 2000; 117:1186-1190.
7. Lechtzin N, Rubin HR, Jenckes M, White P, Zhou L, Thompson DA, **Diette GB**. Predictors of Pain Control in Patients Undergoing Flexible Bronchoscopy. *American Journal of Respiratory and Critical Care Medicine* 2000; 162:440-445.
8. **Diette GB**, Markson L, Skinner EA, Nguyen TTH, Algatt-Bergstrom P, Clark R, Wu AW. Nocturnal Asthma in Children Affects School Attendance, School Performance and Parents' Work Attendance. *Archives of Pediatric and Adolescent Medicine* 2000;154:923-928.

9. **Diette GB**, Skinner EA, Markson L, Algatt-Bergstrom P, Nguyen TTH, Clark RD, Wu AW. Consistency of Care with National Guidelines for Children with Asthma in Managed Care. *Journal of Pediatrics* 2001;138:59-64.
10. Lechtzin N, Wiener CM, Clawson L, Chaudhry V, **Diette GB**. Hospitalization in amyotrophic lateral sclerosis: Causes, Costs and Outcomes. *Neurology* 2001;56:753-757.
11. Krishnan JA, **Diette GB**, Skinner EA, Clark BD, Steinwachs D, Wu AW. Race and Sex Differences in Consistency of Care with National Asthma Guidelines in Managed Care Organizations. *Archives of Internal Medicine* 2001;161:1660-1668.
12. **Diette GB**, Skinner EA, Nguyen TTH, Markson L, Clark BD, Wu AW. Comparison of Quality of Care of Specialist and Generalist Physicians as Usual Source of Asthma Care for Children. *Pediatrics* 2001;108: 432-437.
13. Wu AW, Young Y, Skinner EA, **Diette GB**, Vogeli C, Huber M, Peres A, Steinwachs D. Quality of Care and Outcomes of Adult Asthmatics Treated by Specialists and Generalists in Managed Care. *Archives of Internal Medicine* 2001;161:2554-2560.
14. Rubin HR, Pronovost P, **Diette GB**. From a Process of Care to a Measure: The Development and Testing of a Quality Indicator. *International Journal for Quality in Health Care* 2001; 13: 489-496.
15. Rubin HR, Pronovost P, **Diette GB**. The advantages and disadvantages of process-based measures of health care quality. *International Journal for Quality in Health Care* 2001; 13: 469-474.
16. Lechtzin N, Wiener CM, Shade DM, Clawson L, **Diette GB**. Spirometry in the supine position improves the detection of diaphragmatic weakness in ALS. *Chest* 2002; 121: 436-442.
17. Wolfenden LL, **Diette GB**, Skinner EA, Steinwachs DM, Wu AW. Gaps in Asthma Care of the Oldest Adults. *Journal of the American Geriatrics Society* 2002; 50: 877-883.
18. **Diette GB**, Krishnan J, Dominici F, Haponik E, Skinner EA, Steinwachs D, Wu AW. Asthma in older patients: Factors associated with hospitalization. *Archives of Internal Medicine* 2002;162:1123-1132.
19. Lechtzin N, Rothstein J, **Diette GB**, Wiener CM. Amyotrophic Lateral Sclerosis: Evaluation and Treatment of Respiratory Impairment. *Amyotrophic Lateral Sclerosis and Other Motor Neuron Diseases* 2002;3:5-13.
20. Allen-Ramey FC, Clawson L, **Diette GB**, McDonald RC, Skinner EA, Steinwachs DM, Wu AW. Methods Aimed at Improving Asthma Care and Outcomes Management. *Disease Management & Health Outcomes* 2002;10(8):495-503.
21. Lechtzin N, Rubin HR, Jenckes M, White P, **Diette GB**. Patient satisfaction with bronchoscopy. *American Journal of Respiratory and Critical Care Medicine* 2002;166: 1326-1331.
22. Scatarige JD, **Diette GB**, Merriman B, Haponik EF, Fishman EK. Availability, Requesting Practices, and Barriers to Referral for High-Resolution Computed Tomography of the Lungs: Results of a Survey of U.S. Pulmonologists. *Academic Radiology* 2002;9:1370-1377.

23. Srinivasan A, Wolfenden LL, Song X, Hartsell T, Jones HD, **Diette GB**, Orens JB, Yung RC, Ross TL, Mackie K, Merz W, Scheel PJ, Haponik EF, Perl TM. An outbreak of *Pseudomonas aeruginosa* associated with flexible bronchoscopes. *New England Journal of Medicine* 2003 Jan 16;348: 221-7.
24. Wolfenden LL, **Diette GB**, Krishnan JA, Skinner EA, Steinwachs DM, Wu AW. Lower physician estimate of underlying asthma severity leads to under-treatment. *Archives of Internal Medicine* 2003; 163:231-6.
25. Scatarige JD, **Diette GB**, Merriman B, Haponik EF, Fishman EK. Utility of High-resolution CT for Management of Patients with Diffuse Lung Disease: Results of a Survey of U.S. Pulmonary Physicians. *Academic Radiology* 2003; 10:167-175.
26. Scatarige JD, **Diette GB**, Merriman B, Fishman EK. Physician Satisfaction with HRCT Services Provided by Radiologists: Results of a Nationwide Survey of American Pulmonary Sub-specialists. *American Journal of Roentgenology* 2003; 180:585-589.
27. **Diette GB**, Lechtzin N, Haponik E, Devrotes A, Rubin HR. Distraction Therapy with Nature Sights and Sounds Reduces Pain During Flexible Bronchoscopy: A Complementary Approach to Routine Analgesia. *Chest* 2003; 123(3):941-948.
28. Patil S, Krishnan JA, Lechtzin N, **Diette GB**. In-Hospital Mortality Following Acute Exacerbation of Chronic Obstructive Pulmonary Disease. *Archives of Internal Medicine* 2003 May 26;163(10): 1180-6.
29. Hehn BT, Haponik E, Rubin HR, Lechtzin N, **Diette GB**. The Relationship of Age to Process of Care and Patient Tolerance of Bronchoscopy. *Journal of the American Geriatrics Society* 2003 51:917-922.
30. Krishnan JA, Parce PB, Martinez T, **Diette GB**, Brower RG. Caloric Intake in Medical Intensive Care Unit Patients: Consistency of Care with Guidelines and Relationship to Clinical Outcomes. *Chest* 2003; 124:297-305.
31. Rubinson L, Wu AW, Haponik EF, **Diette GB**. Internists' Adherence to Guidelines for Prevention of Intravascular Catheter Infections. *JAMA* 2003;290(21):2802.
32. Alberg AJ, **Diette GB**, Ford JG. Invited Commentary: Attendance and Absence as Markers of Health Status – The Example of Active and Passive Cigarette Smoking. *Am J Epidemiol* 2003; 157:870-873.
33. Lechtzin N, Wiener CM, Clawson L, Davidson MC, Anderson F, Gowda N, **Diette GB** and the ALS CARE Study Group. Use of noninvasive ventilation in patients with amyotrophic lateral sclerosis. *ALS and Other Motor Neuron Disorders* 2004;5(1):9-15.
34. Rubinson L, **Diette GB**, Song X, Brower RG, Krishnan JA. Low Caloric Intake is Associated with Nosocomial Blood Stream Infections in Patients in the Medical Intensive Care Unit. *Critical Care Medicine* 2004;32(2)350-357.
35. Hansel NN, Wu AW, Chang B, **Diette GB**. Quality of Life in Tuberculosis: Patient and Provider Perspectives. *Quality of Life Research* 2004;13:639-652.

36. Yurk R, **Diette GB**, Skinner EA, Steinwachs DM, Wu AW. Predicting Patient Reported Asthma Outcomes for Adults in Managed Care. *American Journal of Managed Care* 2004;10:321-328.
37. Swartz LJ, Callahan KA, Butz AM, Rand CA, Kanchanaraksa S, **Diette GB**, Krishnan JA, Breyse PN, Buckley TJ, Mosley AM, Eggleston PA. Methods and Issues in Conducting a Community-Based Environmental Randomized Trial. *Environmental Research* 2004 June;95(2):156-65.
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40. Okelo S, Wu AW, Krishnan J, Rand CS, Skinner EA, **Diette GB**. Emotional Quality of Life and Outcomes in Adolescents with Asthma. *Journal of Pediatrics* 2004; 145(4):523-9.
41. Chang B, Wu AW, Hansel NN, **Diette GB**. Quality of life in tuberculosis: A review of the English language literature. *Quality of Life Research* 2004; 13:1633-1642.
42. **Diette GB**, Krishnan JA, Wolfenden LL, Skinner EA, Steinwachs DM, Wu AW. Relationship of Physician Estimate of Underlying Asthma Severity to Asthma Outcomes. *Annals of Allergy, Asthma and Immunology* 2004; 93(6):546-52.
43. Huang I, **Diette GB**, Dominici F, Frangakis C, Wu AW. Variations of Physician Group Profiling Indicators for Asthma Care. *Am J Managed Care*. 2004;10:38-44.
44. Skinner EA, **Diette GB**, Algatt-Bergstrom P, Nguyen TTH, Clark B, Markson LE, Wu AW. The Asthma Therapy Assessment Questionnaire (ATAQ) for Children and Adolescents. *Disease Management*. 2004;7:305-313.
45. Huang I, Dominici F, Frangakis C, **Diette GB**, Damberg CL, Wu AW. Is risk-adjustor selection more important than statistical approach for provider profiling? Asthma as an example. *Medical Decision Making*. 2005 Jan-Feb 25(1):20-34.
46. Sapkota A, Symons JM, Kleissl J, Wang L, Parlange MB, Ondov J, Breyse PN, **Diette GB**, Eggleston PA, and Buckley TJ. Impact of the 2002 Canadian forest fires on particulate matter air quality in Baltimore city. *Environmental Science Technology* 2005 Jan 1;39(1):24-32.
47. Huang I, Frangakis C, Dominici F, **Diette GB**, Wu, AW. Application of a propensity score approach for risk adjustment in profiling multiple physician groups on asthma care. *Health Services Research*. 2005;40(1):253-278.
48. **Diette GB**, Scatarige JC, Haponik EF, Merriman B, Fishman EK. Do High-Resolution CT Findings of Usual Interstitial Pneumonitis Obviate Lung Biopsy? *Respiration*. 2005;72:134-141.
49. Breyse PN, Buckley TJ, Williams D, Beck CM, Kanchanaraksa S, Swartz LJ, Callahan KA, Butz AM, Rand CS, **Diette GB**, Krishnan JA, Moseley AM, Curtin-Brosnan J, Durkin NB, Eggleston PA.

Indoor Exposures to Air Pollutants and Allergens in the Homes of Asthmatic Children in Inner-City Baltimore. *Environmental Research*. 2005;98:167-176.

50. Hansel NN, Hilmer SC, Georas SN, Cope LM, Guo J, Irizarry RA, **Diette GB**. Oligonucleotide Microarray Analysis of Peripheral Blood Lymphocytes in Severe Asthma. *Journal of Laboratory and Clinical Medicine* 2005 May;145(5):263-274.
51. Girgis RE, Champion HC, **Diette GB**, Johns RA, Permutt S, Sylvester JT. Decreased Exhaled Nitric Oxide in Pulmonary Arterial Hypertension: Response to Bosentan Therapy. *American Journal of Respiratory and Critical Care Medicine* 2005;172(3):352-7.
52. Rubinson L, Wu AW, Haponik EF, **Diette GB**. Why is it that internists do not follow guidelines for preventing intravascular catheter infections? *Infection Control Hospital Epidemiology* 2005;26(6):525-533.
53. Wanner TJ, Gerhardt SG, **Diette GB**, Orens JB. The Utility of Cytopathology Testing in Lung Transplant Recipients. *J Heart and Lung Transplant*. 2005;24(7):870-874.
54. Matsui EC, **Diette GB**, Krop EJM, Aalberse RC, Smith AL, Curtin-Brosnan J, Eggleston PA. Mouse allergen-specific immunoglobulin G and immunoglobulin G4 and allergic symptoms in immunoglobulin E-sensitized laboratory animal workers. *Clin Exp Allergy*. 2005;35:1347-1353.
55. Eggleston PA, **Diette GB**, Lipsett M, Lewis T, Tager I, McConnell R, Chrischilles R, Lanphear B, Miller R, Krishnan J. Lessons Learned for the Study of Childhood Asthma from the Centers for Children's Environmental Health and Disease Prevention Research. *Environ Health Perspect*. 2005;113(10):1430-1436.
56. Eggleston PA, Butz A, Rand C, Curtin-Brosnan J, Kanchanaraksa S, Swartz L, Breyse P, Buckley T, **Diette GB**, Merriman B, Krishnan J. Home environmental intervention in inner-city asthma: a randomized controlled clinical trial. *Ann Allergy Asthma and Immunology*. 2005;95(6):496-497.
57. Weiss CR, Scatarige JC, **Diette GB**, Haponik EF, Merriman B, Fishman, EK. CT Pulmonary Angiography is the First-Line Imaging Test for Acute Pulmonary Embolism: A Survey of US Clinicians. *Academic Radiology*. 2006 Apr; 13(4):434-46.
58. Colom AJ, Teper AM, Vollmer WM, **Diette GB**. Risk Factors for the Development of Bronchiolitis Obliterans in Children with Bronchiolitis. *Thorax*. 2006 Jun; 61(6):462-3.
59. Scatarige JC, Weiss CR, **Diette GB**, Haponik EF, Merriman B, Fishman EK. Scanning Systems and Protocols used during imaging for Acute Pulmonary Embolism: How Much do our Clinical Colleagues Know? *Academic Radiology*. 2006; 13:678-685.
60. Matsui EC, **Diette GB**, Krop EJM, Aalberse RC, Smith AL, Eggleston PA. Mouse Allergen-specific Immunoglobulin G4 and risk of mouse skin test sensitivity. *Clin Exper Allergy*. 2006;36(8): 1097-103.
61. Krishnan V, **Diette GB**, Rand CS, Bilderback AL, Merriman BJ, Hansel NN, Krishnan JA. Mortality in patients hospitalized for asthma exacerbations in the United States. *Am J Resp Crit Care Med*. 2006 Jun 15;174(6):633-8.

62. Lechtzin N, John M, Irizarry R, Merlo C, **Diette GB**, Boyle MP. Outcomes of Adults with Cystic Fibrosis Infected with Antibiotic Resistant *Pseudomonas aeruginosa*. *Respiration*. 2006;73(1):27-33.
63. Hansel NN, Eggleston PA, Krishnan JA, Curtin-Brosnan J, Rand CS, Patino CM, **Diette GB**. Asthma-Related Health Status Determinants of Environmental Control Practices for Inner-City Pre-School Children. *Annals of Allergy, Asthma & Immunology*. 2006 Sep; 97(3):409-17.
64. Matsui EC, Eggleston PA, Buckley TJ, Krishnan JA, Breyse P, Rand C, **Diette GB**. Household Mouse Allergen Exposure and Asthma Morbidity in Inner-City Pre-School Children. *Annals of Allergy, Asthma & Immunology*. 2006; 97(4): 514-20.
65. Hansel NN, Rand CS, Krishnan JA, Okelo S, Breyse PN, Eggleston PA, Matsui E, Curtin-Brosnan J, **Diette GB**. Influence of Caregiver's Health Beliefs and Experiences on their Use of Environmental Control Practices in Homes of Pre-School Children with Asthma. *Pediatric Asthma, Allergy & Immunology*. 2006;19(4):231-242.
66. Matsui EC, Eggleston PA, Breyse PN, Rand CS, **Diette GB**. Mouse allergen-specific antibody responses in inner-city children with asthma. *Journal of Allergy and Clinical Immunology* 2007;119(4):910-5.
67. Schmier JK, Manjunath R, Halpern MT, Jones ML, Thompson K, **Diette GB**. The impact of inadequately controlled asthma in urban children on quality of life and productivity. *Annals of Allergy Asthma Immunology* 2007;98(3):245-251.
68. Okelo SO, Wu AW, Merriman B, Krishnan JA, **Diette GB**. Are Physician Estimates of Asthma Severity Less Accurate in Black than in White Patients? *Journal of General Internal Medicine* 2007;22(7):976-81.
69. Han MK, Kim MG, Mardon R, Renner P, Sullivan S, **Diette GB**, Martinez FJ. Spirometry utilization for COPD? How do we measure up? *Chest*. 2007;132(2):403-9.
70. **Diette GB**, Patino CM, Merriman B, Paulin L, Okelo S, Thompson K, Krishnan JA, Quartey R, Perez-Williams D, Rand C. Patient Factors that Physicians Use to Assign Asthma Treatment. *Archives of Internal Medicine*. 2007;167(13):1360-6.
71. Sharma HP, Matsui EC, Eggleston PA, Hansel NN, Curtin-Brosnan J, **Diette GB**. Does current asthma control predict future health care use among black preschool-aged inner-city children? *Pediatrics*. 2007 Nov;120(5):e1174-81.
72. **Diette GB**, Hansel NN, Buckley TJ, Curtin-Brosnan J, Eggleston PA, Matsui EC, McCormack MC, Williams DL, Breyse PN. Home indoor pollutant exposures among inner-city children with and without asthma. *Environmental Health Perspectives*. 2007 Nov;115(11):1665-9.
73. Weiss CR, **Diette GB**, Haponik EF, Merriman B, Scatarige JC, Fishman EK. Pretest risk assessment in suspected acute pulmonary embolism. *Academic Radiology*. 2008 Jan;15(1):3-14.
74. Hansel NN, Cheadle C, **Diette GB**, Wright J, Thompson KM, Barnes KC, Georas SN. Analysis of CD4+T cell gene expression in allergic subjects using two different microarray platforms. *Allergy*. 2008;63:366-369.

75. Okelo SO, Patino CM, Hansel NN, Eggleston PA, Krishnan JA, Rand CS, **Diette GB**. Use of Asthma Specialist Care in High-Risk Inner-City Black Children. *Pediatric Asthma Allergy & Immunology*. 2007;20(4):255-262.
76. Okelo SO, Patino CM, Riekert K, Merriman B, Bilderback BS, Hansel NN, Thompson K, Thompson J, Quartey R, Rand CS, **Diette GB**. Patient Factors that Pediatricians Use to Assign Asthma Treatment. *Pediatrics*, 2008;122(1):e195-201.
77. Tonorezos ES, Breyse PN, Matsui EC, McCormack MC, Curtin-Brosnan J, Williams D'Ann, Hansel NN, Eggleston PA, **Diette GB**. Does neighborhood violence lead to depression among caregivers of children with asthma? *Social Science Medicine*. 2008;67(10):31-7.
78. Hansel NN, Breyse PN, McCormack MC, Matsui EC, Curtin-Brosnan J, Williams DL, Moore JL, Cuhran JL, **Diette GB**. A longitudinal study of indoor nitrogen dioxide levels and respiratory symptoms in inner-city children with asthma. *Environmental Health Perspectives* 2008;116(10):1428-32.
79. Kim S, Aung T, Berkeley E, **Diette GB**, Breyse P. Measurement of Nicotine in Household Dust. *Environmental Research*. 2008;108(3):289-93.
80. Curtin-Brosnan J, Matsui EC, Breyse PN, McCormack MC, Hansel NN, Tonorezos ES, Eggleston PA, Williams D'Ann, **Diette GB**. Parent Report of Pests and Pets and Indoor Allergen Levels in Inner City Homes. *Annals of Allergy, Asthma and Immunology*. 2008;101(5):517-23.
81. Patino, CM, Okelo SO, Rand CS, Riekert KA, Krishnan JA, Thompson K, Quartey RI, Perez-Williams D, Bilderback A, Merriman B, Paulin L, Hansel N, **Diette GB**. The Asthma Control and Communication Instrument: a clinical tool developed for ethnically diverse populations. *Journal of Allergy and Clinical Immunology*. 2008;122(5):936-943.e6.
82. McCormack MC, Breyse PN, Hansel NN, Matsui EC, Tonorezos E, Curtin-Brosnan J, Eggleston PA, **Diette GB**. Common Household Activities are Associated with Elevated Particulate Matter Concentrations in Bedrooms of Inner-City Baltimore Preschool Children. *Environmental Research*, 2008;106(2):148-55.
83. McCormack MC, Breyse PN, Matsui EC, Hansel NN, Williams D, Curtin-Brosnan J, Eggleston P, **Diette GB**. In-home particle concentrations and childhood asthma morbidity. *Environ Health Perspect*. 2009;117(1):294-8.
84. O'Brien Jr JM, Aberegg SK, Ali NA, **Diette GB**, Lemeshow S. Results from the National Sepsis Practice Survey: predictions about mortality and morbidity and recommendations for limitation of care orders. *Crit Care*, 2009;13(3):R96.
85. Clerisme-Beaty E, Karam S, Rand C, Patino CM, Bilderback A, Riekert KA, Okelo SO, **Diette GB**. Does higher body mass index contribute to worse asthma control in an urban population? *J Allergy Clin Immunol*, 2009;124(2):207-12.
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EXTRAMURAL FUNDING:**Current Funding:**

- 09/01/2012-08/31/2017 K-24 Mentoring and Patient Oriented Research in Asthma
 NIH/NIEHS K24ES021098
 Annual Direct: \$182,540.00
 Grant Number 1133451
 PI: Diette
 Role: Principal Investigator, 6.0 calendar months
 A major focus of this proposal will be to expand the present research program from inner city children to also include inner city adults with asthma. With this expansion in the research program, the candidate will provide the foundation for future trials in adults of home-based multi-component environmental interventions, goals which are concordant with the career goals of current mentees and will establish the infrastructure for future mentees with a research interest in adult asthma
- 09/01/2009-07/31/2015 Title: Mechanisms of asthma-dietary interventions against environmental triggers (No cost extension)
 P01 ES018176
 NIH/NIEHS/EPA
 Total Direct \$4,999,821 (\$970,685 Year 3)
 PI/PD: Diette
 Roles: Program Director, Administrative Core Leader, Project 1 Leader. 3.0 calendar months
 Goals: The long-term goal of the **ASTHMA-DIET (A Study to understand The Mechanisms of Asthma--Dietary Interventions to protect against Environmental Triggers)** Program is to understand how diet influences the asthmatic response to indoor and outdoor airborne pollutants and allergens, with the expectation of translating these findings into practical dietary strategies to improve pediatric asthma health.
- 09/07/2010-04/30/2015 Genetic susceptibility to asthma and indoor air pollution in Peru
 R01 ES018845
 NIH/NIEHS
 Annual Direct Cost: \$433,836
 PI: Hansel
 Role: Co-Investigator, 1.20 calendar months
 The goal of this proposal is to examine the contribution of genetic susceptibility to the adverse effects of indoor air pollution (particulate matter and nitrogen dioxide) on asthma health in a Hispanic population.
- 02/18/2011-12/31/2015 Statistical methods for complex environmental health data.
 R01 ES019560
 NIH/NIEHS
 Annual Direct: \$243,746
 PI: Peng
 Role: Co-Investigator, 0.60 calendar months

This project will develop a spatial-temporal Bayesian hierarchical multivariate receptor model for identifying sources of air pollution chemical mixtures and estimating their effect on population health outcomes. Innovation focuses on (a) conducting an integrated national assessment of the health effects of pollution sources; (b) the use of spatial-temporal models for source apportionment; and (c) the introduction of national databases on source profiles and emissions to inform model development and parameter estimation. These methods will be applied to data from a national study of air pollution and health outcomes, the Medicare Cohort Air Pollution Study, to (a) estimate short-term population health effects of PM sources on a national, regional, and local scale; (b) estimate short- and long-term health effects of PM constituents and identify the sources of toxic constituents

PAST (most recent 5 years only)

- 09/14/2007-08/31/2013
(NCE) SCCOR: Mechanisms and Treatment of COPD Progression
1P50HL084945-01
NIH/NHLBI
Annual Direct \$1,957,399
Program Director: Wise
Role: Core C Leader, 1.2 calendar months
The overall goal of this SCCOR program is to understand the complex interplay of mechanisms that promote the progression of COPD and to translate that understanding into treatments that can benefit persons who suffer from COPD.
- 09/29/2007-06/30/2013
(NCE) Center for Childhood Asthma in the Urban Environment
The Role of Particulate Matter and Allergens in Oxidative Stress in Asthma
(DISCOVER)
1P50ES015903
NIH/NIEHS
Annual Direct \$ 1,607,733
PI/PD: Breysse
Roles: Co-Program Director; Project Leader, Project 1 (1.2 calendar months); Co-Investigator, Administrative Core (1.8 calendar months)
The long-term goals of this Center are to examine how exposures to environmental pollutants and allergens may relate to airway inflammation and respiratory morbidity in children with asthma living in the inner city of Baltimore, and to search for new ways to reduce asthma morbidity by reducing exposure to these agents.
- 07/01/2008-06/30/2013 The Impact of Indoor Particulate Matter Exposure on Non-allergic Asthma
5K23 ES016819
NIH/NIEHS
Total Direct: \$755,875
PI: McCormack
Role: Mentor, no salary support
K23 Mentored Patient-Oriented Research Career Development Award
The goal of this project is to examine adverse effects of coarse indoor PM. Using a study design that combines a longitudinal panel study and an

exposure challenge model the research will demonstrate a causal relationship between indoor coarse PM exposure and exacerbation of asthma status.

- 07/01/2010-06/30/2012 Vitamin D and Susceptibility to Inhaled Pollutants in Urban Children with Asthma
NIH
Total Direct: \$187,645
PI: Bose
Role: Primary Mentor
NRSA. The goal of this study is to identify the role of vitamin D upon the effects of inhaled pollutants upon asthma severity in inner-city children.
- 07/01/2011-09/24/2012 Interventions to Modify Adherence to Asthma Guidelines
HHSA 290 2007 10061 I
Agency: AHRQ
Annual Direct Costs: \$260,643
PI: Eric Bass
Role: Co-PI
The objective of this CER is to determine the comparative effectiveness of interventions to modify the adherence of health care providers to asthma guidelines.
- 12/15/2008-12/14/2011 Intervention trial to reduce nitrogen dioxide and carbon monoxide concentrations in Baltimore City homes
FR-5200-N-01A
HUD
Annual Direct \$271,415
PI: Hansel
Role: Co-Investigator, 0.96 calendar months
The purpose of this research is to conduct a randomized intervention trial aimed at reducing indoor nitrogen dioxide and carbon monoxide concentrations in homes.
- 07/08/2009-06/30/2011 Effect of Fenzian treatment on symptoms, pulmonary function and Albuterol use in patients with mild persistent asthma: A multi-center, sham-controlled clinical trial
Fenzian, Inc. (Formerly Eumedics)
Annual Direct: \$88,433
PI: Diette, 1.20 calendar months
The purpose of the study is to test the efficacy of Fenzian treatment over five weeks to improve asthma control, pulmonary function, symptoms and bronchodilator use.
- 07/01/2006-06/30/2011 Mouse Allergen and Inner-City Asthma
1R01 A1070630-01
NIH/NIAAD
Annual Direct \$225,000
PI: Matsui
Role: Co-Investigator, 0.60 calendar months

The primary aims of this project are (1) to examine the link between household mouse allergen exposure and asthma morbidity, and (2) to determine the diagnostic utility of allergy skin testing in predicting allergic airways responses to mouse allergen.

- 12/26/2003-01/30/2011 Evaluation of home automated tele-management in COPD.
R01 AI070630
NIH
Annual Direct: \$225,000
PI: Finkelstein
Role: Co-Investigator, 0.60 calendar months
The goal of this project is to evaluate the impact of home tele-management in COPD patients.
- 12/01/2005-11/30/2010 A Multicenter Randomized Clinical Trial: Asthma Intervention Research (AIR2 Trial)
Asthmatix, Inc
Annual Direct \$313,504
PI: Yung
Role: Co-Investigator, 0.12 calendar months
The goal of this trial is to assess the safety and effectiveness of the Alair system for the treatment of asthma.
- 11/1/2003-10/31/2009 Center for Childhood Asthma in the Urban Environment
P01 R-826724/P01 ES09606 (Breysse)
NIH/EHS/EPA
Annual Direct \$918,780
PI: Breysse
Roles: Deputy Program Director; PI of Epidemiology Component, Co-Investigator, 1.5 calendar months
The long term goals of this Center were to examine how exposures to environmental pollutants and allergens might relate to airway inflammation and respiratory morbidity in children with asthma living in the inner city of Baltimore, and to search for new ways to reduce asthma morbidity by reducing exposure to these agents.
- 09/30/2003-06/30/2009 SCCOR: Ventilator associated lung injury: Molecular approaches
P50 HL073944-03 (Brower)
NIH/NHLBI
Annual Direct \$2,790,934
PI/PD: Brower
Role: Core Leader, Core B, Data Management Core, 0.60 calendar months
This SCCOR was focused on understanding the complex interplay between mechanical ventilation and the increased morbidity and mortality associated with acute lung injury. The application had interactive Cores using state of the art approaches to provide understanding of critical pathobiologic processes in ventilator-associated lung injury and to define key genetic determinants relevant to acute lung injury.

- 09/30/2004-08/31/2009 Genetics of Asthma Severity and Lung Function Decline
K23 HL76322 -02
NIH/NHLBI
Annual Direct \$148,250
PI: Hansel
Role: Primary Mentor, effort as needed
The goal of this study was to identify genetic polymorphisms that mark high risk individuals for early intervention to decrease asthma morbidity.
- 09/10/2001-08/31/2006 Improving physician adherence to asthma guidelines
K23 HL04266
NIH
Annual Direct \$146,772
Role: Principal Investigator, 9.0 calendar months
Provide mentored training and research period for early career development.
Improve physician adherence to national asthma guidelines
- 09/01/2002-07/31/2007 Baltimore Asthma Severity Study
R01 HL67905 (Ford)
NIH
Annual Direct \$443,417
PI: Ford
Role: Co-Investigator, 0.6 calendar months
The objective of this study was to provide insight into the genes controlling susceptibility to human asthma and promote the development of novel therapeutics.
- 9/01/2002-08/31/2007 Improving Respiratory Outcomes in ALS
K23 HL67887 (Lechtzin)
NIH
Annual Direct \$121,750
PI: Lechtzin
Role: Advisor (effort as needed)
The overall theme of this award is to study various aspects of non-invasive positive pressure ventilation in patients with ALS with the goal of improving respiratory management of these patients.
- 2007-2008 (NCE) Howard/Hopkins Center for Reducing Asthma Disparities
HL072455
NIH/NHLBI
Annual Direct \$513,475
PI: Rand
Role: Leader, Project 1, 1.5 calendar months, no cost extension
This application presents four research projects designed to collaboratively investigate factors associated with the disproportionate burden of asthma experienced by inner-city, African-American children and adults.
- 09/30/2004-06/30/2008 Improving asthma care for minority children in Head Start
R18 HL73833
NIH

Annual Direct \$625,506

PI: Rand

Role: Co-Investigator, 0.6 calendar months

The goal of this project is to study the effect communication intervention on asthma-related morbidity and mortality among low-income African American children.

02/23/2004-12/31/2006

A randomized, sham-controlled, double-blinded pilot study to assess the effect of high frequency chest wall oscillation therapy in patients with chronic bronchitis

Advanced Respiratory

PI: Diette, 0.12 calendar months

10/01/2007-09/30/2009

Randomized clinical trial

Protocol #: CQAB149B2335S

Novartis

Total Direct Costs: \$161,368

PI: Diette, 1.20 calendar months

A 26-week treatment, multicenter, randomized, double-blind, double dummy, placebo-controlled, adaptive, seamless, parallel-group study to assess the efficacy, safety and tolerability of two doses of indacaterol (selected from 75, 150, 300 & 600 ug o.d.) in patients with chronic obstructive pulmonary disease using blinded formoterol (12 ug b.i.d.) and open label tiotropium (18 ug o.d.) as active controls.

EDUCATIONAL ACTIVITIES

Educational Publications

Invited Review Articles

1. Rubinson L, Diette GB. Best Practices for Insertion of Central Venous Catheters in Intensive Care Units to Prevent Catheter-Related Bloodstream Infections. *Journal of Laboratory and Clinical Medicine* 2004;143:5-13.
2. Sharma HP, Hansel NN, Matsui EC, Diette GB, Eggleston PA, Breysee PN. Indoor Environmental Influences on Children's Asthma. *Pediatric Clinics North America*. 2007;54:103-120
3. Hansel NN and Diette GB. Gene Expression Profiling in Human Asthma. *Proc Am Thorac Soc*. 2007; 4(1):32-6.
4. **Diette GB**, Rand C. The Contributing Role of Health-Care Communication to Health Disparities for Minority Patients with Asthma. *Chest*. 2007 Nov;132(5 Suppl):802S-9S.
5. **Diette GB**, McCormack MC, Hansel NN, Breysee PN, Matsui EC. Environmental issues in managing asthma. *Respiratory Care*. 2008;53(5):602-15; discussion 616-7.
6. Matsui EC, Hansel NN, McCormack MC, Rusher R, Breysee P, **Diette GB**. Asthma in the Inner City and the Indoor Environment. *Immunology Allergy Clinics North America*. 2008;28:665-686.
7. Okelo SO, Butz AM, Sharma R, **Diette GB**, Pitts SI, King TM, Linn ST, Reuben M, Chelladurai Y, Robinson KA. Interventions to modify health care provider adherence to asthma guidelines: A systemic review. *Pediatrics*. 2013 Sep;132(3):517-34.

Editorials

1. Krishnan JA, **Diette GB**, Rand CS. Disparities in Outcomes from Chronic Disease: Impaired Patient-Physician Partnerships May Be an Important Cause in Minorities. *British Medical Journal* 2001;323:950.
2. Alberg A, **Diette GB**, Ford J. Attendance and absence as markers of health status: The example of active and passive cigarette smoking. *American Journal of Epidemiology* 2003 May 15;157(10):870-3.
3. **Diette GB**, Clinical Commentary: Overuse of β 2-agonists. *J Resp Diseases* 2000;21:721.

Case Reports

None.

Letters

1. Patil S, Krishnan JA, Lechtzin N, **Diette GB**. In-hospital mortality following acute exacerbation of chronic obstructive pulmonary disease. *Archives of Internal Medicine*. 2004 Jan 26;164:222-223.
2. **Diette GB**, Wu AW. Elderly asthmatic patients. *Archives of Internal Medicine*. 2003 Jan 13;163:1:122.

4. Clerisme-Beaty EM, Rand C, **Diette GB**. Reply to Farah. Weight loss in asthma: More evidence is needed. Reply to Farah. *Journal of Allergy and Clinical Immunology* 2010 125(3):770. PMID: PMC2908807.

Book Chapters:

1. **Diette G**, Brower R. Traditional Invasive Ventilation. In, Pulmonary Respiratory Therapy Secrets, 2nd Edition, Parsons P and Heffner J, Eds., Philadelphia, Hanley & Belfus, 2002.
2. **Diette G**, Brower R. Traditional Invasive Ventilation. In, Pulmonary Respiratory Therapy Secrets, Parsons P and Heffner J, Eds., Philadelphia, Hanley & Belfus, 1997.
3. **Diette G**. Pleural Effusion. In, *Mosby's Success in Medicine Specialty Clinical Sciences*, Donnelly JL, Ed., Mosby, 1996.
5. **Diette G**. Pneumothorax. In, *Mosby's Success in Medicine Specialty Clinical Sciences*, Donnelly JL, Ed., Mosby, 1996.
6. **Bose S, Diette GB**. Health disparities related to environmental air quality. In: *Health Disparities in Respiratory Medicine*. Eds: Gerald L and Berry C. Springer. In press.

Internet:

Diette GB, Liu MC. Disease Update on Asthma. Medcast Networks. [Released March 1, 1999]

Okelo SO, Butz AM, Sharma R, **Diette GB**, Pitts SI, King TM, Linn ST, Reuben M, Chelladurai Y, Robinson KA. Interventions to modify health care provider adherence to asthma guidelines [Internet]. Rockville MD: Agency for Healthcare Research and Quality (US); 2013 May.

Reports:

1. Wu A, **Diette GB**, Skinner E, Clark R, Steinwachs D. Treatment Patterns Among Adult Asthmatics: Factors Associated with High Use of Inhaled β -agonists, Low Use of Inhaled Corticosteroids, and Nocturnal Symptoms. Submitted to Merck & Co., Inc., July 1997.
2. Steinberg EP, Holtz PM, Greenwald TP, **Diette GB**, Wills S, Webb A, Daugherty L, Caravoulias CL, Gabrielsen M, Pomponio C. Report of results of a pilot test of draft NCQA HEDIS measures of health plan performance in control of blood pressure among diagnosed hypertensives. Submitted to the NCQA Hypertension Measure Advisory Committee, July 1998.
3. Wu AW, Skinner EA, **Diette GB**, Nguyen TTH, Clark RD. Quality of Care and Outcomes for Childhood Asthma in Managed Care: Validation of the Asthma Therapy Assessment Questionnaire. Submitted to Merck & Co., Inc., November 1998.
4. **Diette GB**, Krishnan JA, Lechtzin N, Belcastro D. Evidence Report on Chronic Obstructive Pulmonary Disease: Treatment and Risks. Submitted to CardioContinuum, September 1999.
5. Wu AW, **Diette GB**, Dominici F, Skinner EA. The 1998 Asthma Outcomes Survey: Phase I Final Report. Submitted to the Pacific Business Group on Health, October 1999.

6. **Diette GB**, Krishnan JA, Lechtzin N, Belcastro D. Report on Focus Group of Clinician Experts on Treatment of Chronic Obstructive Pulmonary Disease. Submitted to CardioContinuum, September 1999.
7. **Diette GB**, Qutami M, Sullivan B. Report on Cystic Fibrosis Utilization and Asthma Utilization and Medication Use. Submitted to Aerogen, December 1999.
8. **Diette GB**, Rand C, Wise RA, Thompson K, Merriman B. Pilot Study of Alternative Treatment Settings of High Frequency Chest Wall Oscillation in Patients with Chronic Bronchitis. Submitted to Advanced Respiratory, Inc, December 2003.

Teaching

Classroom Instruction

- | | |
|-------------|--|
| 1993-1994 | Instructor, Course on Clinical Management in the Emergency Department, University of Pennsylvania Department of Emergency Medicine |
| 12/1993 | Instructor, First Aid for First Year Medical Students, University of Pennsylvania School of Medicine |
| 1996 & 1999 | Clinical Faculty for Human Anatomy Discussion Group, Heart and Lungs, Johns Hopkins University School of Medicine |
| 1997-2000 | Instructor, Evidence-Based Medicine Rotation for Medical Interns, Chronic Obstructive Pulmonary Diseases, Department of Medicine, Johns Hopkins Bayview Medical Center |
| 1997 & 2000 | Discussion Leader, Organ Systems Course, Pulmonary Physiology Section, Johns Hopkins University School of Medicine |
| 1997 | Teaching Assistant, The Science of Clinical Investigation: Design of Clinical Studies. Johns Hopkins University School of Hygiene and Public Health |
| 1998 | Lecturer, Clinical Skills Course: The Pulmonary Examination, Johns Hopkins University School of Medicine |
| 1999 & 2000 | Discussion Leader, Pathophysiology Course, Pathophysiology of Shock, Johns Hopkins University School of Medicine |
| 1999 | Lecturer, Advanced Research Methods, International Respiratory Epidemiology Course, American Thoracic Society, Cusco, Peru |
| 1999-2002 | Co-Director. The Science of Clinical Investigation: Design of Clinical Studies. Johns Hopkins University School of Hygiene and Public Health |
| 2000-2003 | Lecturer, Patient Outcomes and Quality of Care Course, Department of Health Policy and Management, Johns Hopkins University School of Hygiene and Public Health |
| 2000 | Lecturer, Advance Research Methods, International Respiratory Epidemiology Course, |

American Thoracic Society, Quinamavida, Chile

- 2001 Discussion Leader, Clinical Epidemiology, Department of Epidemiology, Johns Hopkins University, April 2001.
- 2003 Co-Director. Advanced Research Methods, International Respiratory Epidemiology Course, American Thoracic Society, Buenos Aires, Argentine
- 2004 Director. Advanced Research Methods, Method in Epidemiologic, Clinical and Operations Research, American Thoracic Society, Punta del Este, Uruguay
- 2005 Faculty. Methods in Clinical Research. ERS/ATS School Course. Prague, Czech Republic,
- 2005 Director. Advanced Research Methods, Methods in Epidemiologic, Clinical and Operations Research, American Thoracic Society, Quito, Ecuador
- 2006 Director. Advanced Research Methods, Methods in Epidemiologic, Clinical and Operations Research, American Thoracic Society, Alphaville, Brazil.
- 2007-Present Attending Physician, the Barker Firm, Johns Hopkins University School of Medicine

Continuing Medical Education

- 2010 Managed care strategies used in the successful treatment of asthma. National Asthma Education and Prevention Program. Medical Communications Media, Inc.

Mentoring (pre- and post-doctoral):

Advisees

- 2012-Present Emily Bingham, MD
Post-doctoral Fellow, Division of Pulmonary and Critical Care Medicine
- 2011-Present Laura M. Paulin, MD
Post-doctoral Fellow, Division of Pulmonary and Critical Care Medicine
- 2012-Present Jessica Rice, MD
Post-doctoral Fellow, Department of Pediatrics
- 2010-2014 Niru Putcha, MD
Post-doctoral Fellow, Division of Pulmonary and Critical Care Medicine
- 2010-2011 Daniel Jamieson, MD
Post-doctoral Fellow, Division of Pulmonary and Critical Care Medicine
- 2009-Present Sonali Bose, MD, MPH
Post-doctoral Fellow, Division of Pulmonary and Critical Care Medicine
Research Theme: Vitamin D levels in urban black children with asthma

Current Position: Instructor of Medicine, Pulmonary and Critical Care Medicine

- 2009-2010 Marisha Cook, MD
 Post-doctoral Fellow, Division of Allergy and Clinical Immunology
 Research Theme: Dietary pattern differences by race in asthma
 Current Position: Post-doctoral Fellow, Allergy & Clinical Immunology
- 2008-2009 Timothy Scialla, MD
 Post-doctoral Fellow, Division of Pulmonary and Critical Care Medicine
 Research Theme: Inner City Diet and Asthma
 Current Position: Assistant Professor of Medicine, University of Miami, Miami, Florida
- 2006-2007 Sabine Karem, MD
 Post-doctoral Fellow, Division of Pulmonary and Critical Care Medicine
 Research Theme: Asthma Control in African-Americans
 Current Position: Internal Medicine Resident, Montifiore Hospital, Bronx, NY
- 2005-2006 Lindsey Kim
 MPH student, School of Hygiene and Public Health
 Thesis: Outcomes Study on Environmental Control Practices on Health of Inner-City Children with Asthma
- 2005-2007 Emily Smith Tonorezos
 Post-Doctoral Fellow, Division of General Internal Medicine
 Research Theme: Diabetes as a modifying factor on the effect of particulate matter in COPD
 Current Position: Assistant Professor of Medicine, Memorial Sloan Kettering, New York.
- 2005-2008 Meredith C. McCormack, MD, MHS
 Post-Doctoral Fellow, Division of Pulmonary and Critical Care Medicine
 Awarded Chest Foundation Award for Women's Studies, Loan Repayment Program, NIH K-23 Award, Johns Hopkins Bloomberg School of Public Health Faculty Grant in Global Health, and Pearl M. Stetler Research Fund
 Research Theme: Particulate Matter Effects on Asthma and COPD
 Current Position: Assistant Professor of Medicine, Johns Hopkins University, Baltimore, Maryland
- 2004-2006 Amit Rahman
 Medical Student, Johns Hopkins University, School of Medicine
 Research Theme: Co-Morbidity COPD Outcomes
- 2004-2005 Alan Salas
 Under-represented Minority Summer Research Program
 Undergraduate Student, Johns Hopkins University, Baltimore, MD
 Research Theme: Early Life Exposures and Risk of Asthma
- 2002-2003 Deanna Perez Williams
 Community Health Scholars Program, Kellogg Foundation

- Research Theme: Development of a Culturally-Sensitive, Patient-Focused Asthma Communication Instrument Designed to Enhance Provider-Patient Communication in Hispanics in Baltimore
 Current Position: Howard University
- 2002-2004 Elizabeth C. Matsui, MD
 Post-Doctoral Fellow, Division of Allergy and Immunology, Department of Pediatrics, Johns Hopkins University
 Research Theme: Mouse allergen exposure, antibody responses, prick skin test response and allergy symptoms in laboratory workers
 Current Position: Associate Professor of Pediatrics. Division of Allergy and Immunology, Department of Pediatrics, Johns Hopkins University
- 2002-2004 Necole Streeper, MD
 Minority Summer Research Program
 Research Theme: Physician Underestimation of Self-Management Ability of African-Americans with Asthma
 Current Position: Resident, Dept of Urology, University of Texas HSC, San Antonio, TX
- 2002-2004 James Lee, MD
 Housestaff, Internal Medicine, Johns Hopkins Hospital
 Research Theme: Gender Differences in Childhood Asthma
 Current Position: Assistant Professor of Medicine, Division of Pulmonary, Allergy and Critical Care Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA
- 2002-2007 Cecilia Patino, MD
 Research Associate, Division of Pulmonary and Critical Care Medicine
 Research Theme: (1) Physician Adherence to Asthma Guidelines; (2) Validation of Survey Methods of Environmental Assessment
 Current Position: Assistant Professor, Department of Preventive Medicine, University of Southern California, Los Angeles, CA
- 2001-2003 Marianelle Platon, MD
 Under-represented Minority Summer Research Program
 Research Theme: Validation of Physician Reported Adverse Events during Bronchoscopy
 Current Position: Physician, National Naval Medical Center, Bethesda, Maryland
- 2001-2004 Lucian Davis, MD
 Housestaff, Internal Medicine, Johns Hopkins Hospital
 Research Theme: Predictors of New-Onset Dyspnea in COPD
 Current Position: Assistant Adjunct Professor, Division of Pulmonary and Critical Care Medicine, University of California, San Francisco, San Francisco.
- 2001-2005 Susan Gerhardt, MD
 Post-Doctoral Fellow, Division of Pulmonary and Critical Care Medicine
 Awarded Pearl M. Stetler Research Grant
 Research Theme: Treatment of Bronchiolitis Obliterans in Lung Transplant Rejection
 Current Position: Private Practice, Pennsylvania
- 2000-2005 Lewis J. Rubinson, MD

- Post-Doctoral fellow, Division of Pulmonary and Critical Care Medicine
 Research theme: National Guidelines and Central Venous Catheter Infections in the Intensive Care Unit
 Current Position: Assistant Professor, Division of Pulmonary and Critical Care Medicine, University of Washington, Seattle.
- 2000-2003 Sande Okelo, MD
 Post-Doctoral fellow, Division of Pediatric Pulmonary Medicine
 Research theme: Emotional Function and Asthma Morbidity in Children
 Awarded NIEHS Minority Supplement Award
 Awarded ATS Minority Travel Award
 Current Position: Assistant Professor, Department of Pediatrics, David Geffen School of Medicine at UCLA, Mattel Children's Hospital UCLA, Los Angeles, CA
- 2000-2004 Nadia N. Hansel, MD, MHS
 Post-Doctoral fellow, Division of Pulmonary and Critical Care Medicine
 Awarded Howard C. and Jane R. Goodman Award
 Awarded the Baurernschmidt Fellowship Award from Eudowood Foundation
 Awarded Chest Foundation Award for Women's Studies
 Awarded American Thoracic Society Underrepresented Minority Travel Award
 Research themes: 1) Quality of Life in Tuberculosis; 2) Th1/Th2 phenotype in tuberculosis and asthma.
 Current Position: Associate Professor of Medicine, Johns Hopkins University
- 1999-2001 Edward Cox, Jr., MD, MPH
 MPH student, School of Hygiene and Public Health
 Project: Association of Hospital Volume and In-Hospital Mortality among Patients with Community-Acquired Pneumonia
 Current Position: Director, Office of Antimicrobial Products (OAP) Food and Drug Administration, Rockville, Maryland
- 1999-2001 Noah Lechtzin, MD, MPH
 Post-Doctoral fellow, Division of Pulmonary and Critical Care Medicine
 Awarded Travel Award for Poster Presentation at 2001 American Thoracic Society International Meeting
 Research theme: Respiratory manifestations of ALS: 1. Measures of disease burden; 2. Improving patient outcomes.
 Current Position: Associate Professor of Medicine, Johns Hopkins University.
- 1998-2001 Jerry A. Krishnan, MD, PhD
 Post-Doctoral fellow, Division of Pulmonary and Critical Care Medicine.
 Awarded Chest Foundation Research Award for "Assessment of Gender and Race Differences in Quality of Care and Clinical Outcomes from Asthma."
 Research theme: Quality of care and outcomes for asthma by gender and race
 Current Position: Professor of Medicine, University of Illinois, Chicago.
- 1998-1999 Su Wang
 MPH student, School of Hygiene and Public Health

Thesis: Nocturnal Symptoms in Pediatric Asthma: Clinical Features and Health Care Utilization in a Managed Care Setting
 Current Position: Unknown.

1997-2002 Lindy Wolfenden, MD
 Housestaff, Internal Medicine, Johns Hopkins Hospital
 Post-Doctoral Fellow, Division of Pulmonary and Critical Care Medicine
 Research Theme: Older Adults and Asthma
 (Deceased.)

Thesis committees

07/2014 Kamau Peters, Doctoral Candidate in Environmental Health Sciences.
 Role: Thesis Advisor and Final Oral Examination Committee Member.

04/2013 María Fernanda Cely-García, Doctoral Candidate, Universidad de Los Andes,
 Bogotá Columbia (*Personal exposures to asbestos and respiratory health of automotive mechanics in Bogotá, Columbia*)
 Role: Thesis advisor and Final Oral Defense Committee Member

04/2010 Deanna M. Green, Doctoral Candidate in Environmental Health Sciences
 Role: Thesis Advisor and Final Oral Defense Committee Member

10/2008 Maura Dwyer, Doctoral Candidate in Environmental Health Sciences
 Role: Final Oral Defense Committee Member

10/2007 Juan Ramos Bonilla, Doctoral Candidate in Environmental Health Sciences
 Role: Final Oral Defense Committee Member

12/2006 Sorina Eftin, Doctoral Candidate in Environmental Health Sciences
 Role: Thesis Committee Chair

04/2005 Laura LaRosa, Doctoral Candidate in Environmental Health Engineering
 Role: Final Oral Defense Committee Member

11/2005 Kannika Taenkhum, Doctoral Candidate in Environmental Health Engineering
 Role: Preliminary Orals Committee Member

12/2005 Sande Okele, Doctoral Candidate in Graduate Training Program in Clinical Investigation
 Role: Final Oral Defense Committee Member

09/2004 Lewis Rubinson, Doctoral Candidate in Epidemiology
 Role: Final Oral Defense Committee Member

03/2003 Ichan Huang, Doctoral Candidate in Health Policy and Management
 Role: Thesis Committee Chair

03/2002 Ichan Huang, Doctoral Candidate in Health Policy and Management
 Role: Preliminary Orals Committee Member

10/2001 Erika Tang, Doctoral Candidate in Epidemiology
 Role: Preliminary Orals Committee Member

Editorial Activities

Peer review activities

Editorial Boards

2010- Present Member, *Clinical Respiratory Journal*

2013-Present Member, *Journal of Pollution Effects & Control*

Peer Reviewer

American Journal of Respiratory and Critical Care Medicine
Archives of Internal Medicine
Archives of Pediatric and Adolescent Medicine
Cancer Epidemiology, Biomarkers & Prevention
Chest
Epidemiology
Expert Opinion on Pharmacotherapy
Health Services Research
Journal of Allergy and Clinical Immunology
Journal of Clinical Outcomes Management
Journal of General Internal Medicine
Journal of Respiratory Diseases
Medical Care
Pediatrics
Preventative Medicine in Managed Care
Quality of Life Research
Thorax

CLINICAL ACTIVITIES:**Certification:**

MEDICAL LICENSURE Maryland D-47616

BOARD CERTIFICATION

1991 National Board of Medical Examiners
 1993 American Board of Internal Medicine
 1996, 2006 American Board of Internal Medicine, Pulmonary
 Medicine

Service Responsibilities (specialty, role, time commitment):

Intensive Care Medicine, Attending Physician, two months per year
 Outpatient Asthma Clinic, one-half day per week

SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES**System Innovation and Quality Improvement Publications**

Please see original research citation numbers 2, 3, 4, 6, 7, 9, 11, 12, 13, 14, 15, 17, 20, 21, 22, 23, 24, 26, 27, 29, 30, 31, 34, 36, 42, 43, 44, 45, 47, 52, 59, 68, 69, 70, 73, 75, 76, 81, 84, 88, 89, 92, 93, 95 and 99.

System Innovation and Quality Improvement efforts within JHM:

1996-2006 **Initiator and Director**, Bronchoscopy Quality Improvement Project (BRONCHQI), Johns Hopkins Medical Institutions, Baltimore, MD

This highly successful project had many findings, including:

1. Documentation of unsafe dosing of lidocaine, which led to a reduction in the strength used from 2% to 1%. Documented no loss of analgesia with the change.

2. Identified risk of bleeding complications with lung biopsy
3. Documented diagnostic utility of having on-site cytopathology services during needle biopsy cases
4. Identified factors associated with patient satisfaction
5. Identified excessive pain and reasons for pain during the procedure
6. Performed a clinical trial of distraction therapy to reduce pain during the procedure
7. Identified predictors of positive diagnostic findings in immune-compromised patients
8. Demonstrated benefits of use of atropine pre-procedure to prevent adverse events

1997-2000 **Member**, Committee for Procedure Review, Pulmonary and Critical Care Medicine Procedures, Johns Hopkins Bayview Medical Center, Baltimore, MD

System Innovation and Quality Improvement efforts outside JHM:

1996-1999 Senior Physician Scientist, Quality Assessment and Improvement Systems Division, Covance Health Economics and Outcomes Services. Washington, D.C.

Dialysis Outcomes Quality Initiative (DOQI): Co-investigator, Medical consultant,
NCQA HEDIS hypertension measure: Co-investigator on measure validation

2003 **Member**, Howard County Comprehensive Health Improvement Plan for the Year 2010, Howard County Health Department, Columbia, MD

National Committee for Quality Assurance

2003 Member, COPD Technical Subgroup

2004-Present Member, Clinical Expert Panel

2008 Member, National Committee for Quality Assurance (NCQA) Advisory Panel. HEDIS Trends Publication Expert Advisory Panel.

Production of guidelines and/or protocols:

2002 American Healthways/Johns Hopkins
2nd Annual Disease Management Outcomes Summit: Standard Outcome Metrics and Evaluation Methodology for Disease Management Programs, November 7-10, 2002, Palm Desert, CA.
Role: Physician Steering Committee. The outcome metrics remain intact to date.

System Innovation and Quality Improvement Program Building/Leadership:

N/A

System Innovation and Quality Improvement Extramural Funding

12/26/2003-01/30/2011 Evaluation of home automated tele-management in COPD.
R01 AI070630
NIH
Annual Direct: \$225,000
PI: Finkelstein
Role: Co-Investigator, 0.60 calendar months

09/10/2001-08/31/2006 Improving physician adherence to asthma guidelines
K23 HL04266

- NIH
Annual Direct \$146,772
Role: Principal Investigator, 9.0 calendar months
Provide mentored training and research period for early career development.
Improve physician adherence to national asthma guidelines
- 9/01/2002-08/31/2007 Improving Respiratory Outcomes in ALS
K23 HL67887 (Lechtzin)
NIH
Annual Direct \$121,750
PI: Lechtzin
Role: Advisor (effort as needed)
The overall theme of this award is to study various aspects of non-invasive positive pressure ventilation in patients with ALS with the goal of improving respiratory management of these patients.
- 2007-2008 (NCE) Howard/Hopkins Center for Reducing Asthma Disparities
HL072455
NIH/NHLBI
Annual Direct \$513,475
PI: Rand
Role: Leader, Project 1, 1.5 calendar months, no cost extension
This application presents four research projects designed to collaboratively investigate factors associated with the disproportionate burden of asthma experienced by inner-city, African-American children and adults.
- 09/30/2004-06/30/2008 Improving asthma care for minority children in Head Start
R18 HL73833
NIH
Annual Direct \$625,506
PI: Rand
Role: Co-Investigator, 0.6 calendar months
The goal of this project is to study the effect communication intervention on asthma-related morbidity and mortality among low-income African American children.

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

- 1995-1997 **Initiator and Coordinator**, Pulmonary and Critical Care Epidemiology Seminar, Johns Hopkins University, Baltimore, MD
- 1996-present **Initiator and Director**, Bronchoscopy Quality Improvement Project (BRONCHQI), Johns Hopkins Medical Institutions, Baltimore, MD
- 1997-2000 **Member**, Committee for Procedure Review, Pulmonary and Critical Care Medicine Procedures, Johns Hopkins Bayview Medical Center, Baltimore, MD

- 1999-present **Member**, Education Committee, Pulmonary and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, MD
- 1999-present **Member**, Research Committee, Pulmonary and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, MD
- 1999-2006 **Chair**, Conference Committee, Pulmonary and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, MD
- 1999-present **Member**, Internship Selection Committee, Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD
- 1999-present **Member**, Fellowship Selection Committee, Division of Pulmonary and Critical Care Medicine, Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD
- 2001-present **Member**, Fellow Review Committee, Division of Pulmonary and Critical Care Medicine, Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD
- 2003 **Member**, Howard County Comprehensive Health Improvement Plan for the Year 2010, Howard County Health Department, Columbia, MD
- 2003-present **Member**, Faculty Development Committee, Division of Pulmonary and Critical Care Medicine, Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD
- 2005 **Member**, Curriculum Reform Committee Meeting, Johns Hopkins School of Medicine, Baltimore, MD
- 2009-present **Member**, Planning Committee, CME Activity – Medical Grand Rounds, Johns Hopkins School of Medicine, Baltimore, MD
- 2011-present **Director**, Obstructive Lung Disease Program, Division of Pulmonary and Critical Care Medicine
- 2013 **Member**, Panel Presentation/Discussion: “writing a successful career development application. Johns Hopkins Professional Development Office, September 25. 2013.
- 2014 *Ad hoc* Committee for a Department of Biostatistics faculty member’s promotion to Associate Scientist.

Professional Societies

Associate, American College of Physicians (ACP)
 Fellow, American College of Chest Physicians (ACCP)
 Member, American Thoracic Society (ATS)
 Member, American Federation for Clinical Research (AFCR)
 Member, Central Society for Clinical Research (CSCR)
 Member, International Society of Environmental Epidemiology

Committee Memberships

American Academy of Allergy, Asthma and Immunology

2003-Present Member, Genetics and Epidemiology

American Thoracic Society

1999-2006 Course Faculty Member, Education: Methods in epidemiologic, clinical and operations research (MECOR).

2002-Present Member, Behavioral Science Assembly Long Range Planning Committee

2003-Present Member, Behavioral Science Assembly Program Committee

2003-2004 Chair Elect, Behavioral Science Assembly Program Committee

2003 Member, IRE/MECOR Planning Retreat Committee

2004-2005 Chair, Behavioral Science Assembly Program Committee

2006-2008 Chair, Behavioral Science Assembly

2006-2008 Member, ATS Board of Directors

2008-2009 Chair, Behavioral Science Assembly Nominating Committee

2008-2010 Member, Environmental and Occupational Health Assembly, Clinical Research Committee

2008-2010 Member, Environmental and Occupational Health Assembly Program Committee

2008-2010 Member, Environmental and Occupational Health Assembly Working Group on Epidemiology

2008-2009 Mentor Member, Members in Transition and Training Committee

2009-2011 Member, Grant Review Committee for ATS Foundation-Tobacco-dependence research fund grant.

2010-2015 Member, Drug/Device Discovery and Development Committee

2013-2014 Member, Behavioral Science Assembly Planning Committee

2013-2014 Member, Behavioral Sciences and Health Services Research Assembly Nominating Committee

National Committee for Quality Assurance

2003 Member, COPD Technical Subgroup

2004-Present Member, Clinical Expert Panel

Pennsylvania Department of Health

2004 Member, Grant Review Committee, Centers of Excellence for Research on Lung Disease Review Panel. Washington, DC.

2010-2011 Member, Pennsylvania Final Performance Review, Master Tobacco Settlement for the Pennsylvania Department of Health, 09-10 Cycle B

State of Maryland

2006-2007 Member, Governor-elect Martin O'Malley's Transition Committee, State of Maryland, Department of Health and Mental Hygiene, December, 2006 to January, 2007.

Clinical Trials & Surveys Corp (C-TASC)

2009-present Member, Institutional Review Board

Qatar National Research Fund

2010-present Reviewer, National Priorities Research Program

Netherlands Asthma Foundation

2012-present Member, Grant Review Section

Conference Organizer, Session Chair (see also Classroom Instruction, pages 19-20)

2003 Chair, American Thoracic Society International Conference Session: Assessing Patient Health, Healthcare and Outcomes: Limits of Physician Estimation

Facilitator, American Thoracic Society International Conference Session: Environmental and Genetic Risk Factors for Pediatric Lung Disease.

Chair, American Thoracic Society International Conference Symposium: Impact of Psychosocial Factors on Respiratory Health.

2004 Chair, American Thoracic Society International Conference Symposium: Assessing Asthma Severity and Asthma Control According to National Guidelines: Are our Assessments Working?

Chair, American Thoracic Society International Conference Symposium: Diagnosis and Outcomes in Pediatric Asthma.

Chair, American Thoracic Society International Conference Symposium: Pediatric Asthma.

2005 Chair, American Thoracic Society International Conference Symposium: Health Disparities: Understanding and Addressing Them through Research and Practice.

Chair, American Thoracic Society International Conference Symposium: Implementation of Asthma Severity Measurements in the Real World of Clinical Practice: What Are We Doing Now and What Should Come Next?

2006 Chair, American Thoracic Society International Conference Symposium: The Complex Interaction of Race, Stress and Neighborhood on Respiratory Disease. May 21, 2006.

2007 Chair, American Thoracic Society International Conference Symposium: Current Methods for the Respiratory and Environmental Researcher: A Toolkit for Clinical Investigation

Chair, American Thoracic Society International Conference Symposium: Scientific Writing: How to Publish for Academic Success.

Chair, American Thoracic Society International Conference: Assembly on Behavioral Science Membership Meeting.

2008 Chair, American Thoracic Society International Conference Symposium: Introduction to Data Analysis: Exploring the Great Unknown.

Chair, American Thoracic Society International Conference Symposium: Asthma Severity Versus Asthma Control: What Should We Use in Clinical Practice?

2009 Chair, American Thoracic Society International Conference Symposium: Measuring and Improving the Quality of Care in Lung Disease.

Facilitator, American Thoracic Society International Conference Symposium: Developing Surveys that Measure or Predict.

Facilitator, American Thoracic Society International Conference Symposium: Asthma in the Inner City: A Unique Mix of Allergen and Pollutant Exposures.

2010 Chair, American Thoracic Society International Conference, Poster Session Discussion, New Orleans

Chair, American Thoracic Society International Conference, Scientific Symposium: Individual susceptibility to air pollution.

Chair, American Thoracic Society International Conference, Scientific Symposium: Asthma disparities: Root causes and global solution

2013 Chair, American Thoracic Society International Conference, EOH Program Committee

2013 Chair/Moderator, American Thoracic Society International Conference, Poster Session Discussion, Pollution Effects, Philadelphia

2013 Discussant, American Thoracic Society International Conference, Poster Session Discussion, Obesity: Impact on lung function and disease, Philadelphia

2013 Chair, Scientific Symposium: Developmental origins of asthma and allergies: Environment, modifiers and mediators, American Thoracic Society International Meeting, Philadelphia, May 2013.

Advisory Committees, Review Groups

2001-2006 American Lung Association
Member, National Grants Review Award Selection Committee

2002 American Healthways/Johns Hopkins 2nd Annual Disease Management Outcomes Summit: Standard Outcome Metrics and Evaluation Methodology for Disease Management Programs, November 7-10, 2002, Palm Desert, CA, Role: Physician Steering Committee

2003 American Healthways/Johns Hopkins 3rd Annual Disease Management Outcomes Summit: Defining the Patient-Physician Relationship for the 21st Century, October, 2003, Phoenix, AZ. Role: Physician Steering Committee

Member, Aventis AVE0547 HE Asthma Advisory Board

2004 American Healthways/Johns Hopkins 4th Annual Disease Management Outcomes Summit: Outcomes-Based Compensation: Pay-for-Performance Design Principles, November 11-14, 2004, Rancho Mirage, CA, Role: Physician Steering Committee

Member, DEY, LP, Managed Care Advisory Board, Napa, CA.

- 2005 American Healthways/Johns Hopkins 5th Annual Disease Management Outcomes Summit: Improving Care Coordination through Physician-Disease Management Collaboration, November 10-13, 2005, Fort Lauderdale, Florida, Role: Physician Steering Committee
- Invited Faculty representing ATS, National Workshop to Reduce Asthma Disparities, Chicago, Illinois
- 2006 American Healthways/Johns Hopkins 6th Annual Disease Management Outcomes Summit: Embracing Health: Tools and Systems for Health Promotion and Disease Prevention, November, 2006, JW Marriott Starr Pass Resort, Tucson, AZ , Role: Physician Steering Committee
- Member, NIH/NHLBI Grant Review Award Selection Committee
- Member, NHLBI Strategic Planning Process Committee
- 2007 American Healthways/Johns Hopkins 7th Annual Disease Management Outcomes Summit: Integrated Medicine: Complementary Approaches, November 8-11, 2007, Austin, Texas, Role: Physician Steering Committee
- 2008 Reviewer, *ad hoc*, Deutsche Forschungsgemeinschaft (German Research Foundation).
- Member, Cancer, Cardiovascular and Pulmonary Disease (CCPD) program. The Amendment 25 Program Evaluation Group.
- Member, National Committee for Quality Assurance (NCQA) Advisory Panel. HEDIS Trends Publication Expert Advisory Panel.
- 2008- Member, EXPORT's P60 Advisory Board, University of Puerto Rico (UPR)/CHA Research presentCenter of Excellence: Making a Difference for Latino Health. San Juan, Puerto Rico.
- 2008-2009 Chair, The Donaghue Program for Research Leadership, Hartford, CT.
- 2009-2011 Member, NIH/NHLBI Study Section for Patient Oriented Research (K23, 24, and 25).
- 2009 Member, NIH/NIAID Review Panel for Special Emphasis Study Section ZAI1-RRS-I-M1.
- 2010 Discussant, NIH/NIAID, Asthma, Allergy and Inflammation Branch: Asthma Outcomes Workshop, Bethesda, MD.
- 2011 Member, NIH/NHLBI Review Panel for Small Business Respiratory Sciences, Special Emphasis Study Section, ZRG1 CVRS-H (10) B (K12)
- 2011 Member, NIH/NHLBI Review Panel for NHLBI Career Development Programs in Emergency Medicine Research (K12).
- 2011 Chair, NIH/NHLBI Review Panel for RFA-HL-12-011, Development and testing of a case finding methodology in COPD (R01), Washington, DC

2012 Discussant, Webinar Presentation, NIEHS, Virtual Forum: Childhood Obesity and the Environment, November 2012. Research Triangle Park, NC

Consultancies

Aventis 2002; Physician Advisory Panel

Cardiocontinuum, 1999-2000; Role: Development of COPD Program

American Healthways, 2002-Present; Role: Steering Committee Member and Performance Measure Development

Sorption Technologies, Inc., 2004-Present; Role: Research Design Consultant

Interactive Forums, Inc., 2004-Present; Role: Health Care Consulting

Merck, Beta-agonist Measure Panel Meeting, December 3, 2004, Denver, Colorado.

Pfizer Academic Round Table, May 24-25, 2005, American Thoracic Society, San Diego, California.

RECOGNITION

Awards, honors

1986 English Degree awarded with Honors, University of Pennsylvania

1986 BA, *Magna cum Laude*, University of Pennsylvania

1986 BS, *Magna cum Laude*, University of Pennsylvania

1997 Delta Omega Public Health Honor Society

2000 Solo Cup Clinician Scientist Award

2001 GlaxoSmithKline Development Partners' Junior Faculty Award

2009 Qforma's List of Most Influential Doctors, created for USA Today.

2010 Pfizer Visiting Professorship in Pulmonology.
East Tennessee State University College of Public Health.

Invited Talks, Panels

- 1993 The Special Value of Undergraduate Research. Presented at the 64th Annual Meeting of the Eastern Psychological Association. Arlington, Virginia.
- PSA as a Screening Test? Medical Management Conference. Department of Internal Medicine, University of Pennsylvania.
- 1994 Carbon Monoxide Poisoning, Medical Management Conference, Department of Internal Medicine, University of Pennsylvania.
- Invited Discussant, Morbidity and Mortality Conference, Department of Internal Medicine, University of Pennsylvania.
- 1996 Vitamins and the Risk of Lung Cancer: Randomized Clinical Trials as a Gold-Standard, Longcope Attending Rounds, Department of Internal Medicine, The Johns Hopkins University School of Medicine.
- PSA and DRE Screening for Prostate Cancer: Principles of Screening, Longcope Attending Rounds, Department of Internal Medicine, Johns Hopkins University School of Medicine.
- 1997 Predictors of overuse of inhaled β -agonists, underuse of inhaled corticosteroids, and of nocturnal symptoms in adult asthmatics. Outcomes research group, Merck & Co., Inc., West Point, PA.
- Associations of misuse of asthma medications in adult asthmatics enrolled in managed care. Managed Care Health Care Consortium, Washington, DC.
- Misuse of corticosteroid and β -agonist metered dose inhalers (MDIs) among adult asthmatics in managed care (MCOs), Maryland Thoracic Society Annual Research Dinner, Baltimore, MD.
- 1998 Treatment patterns among adult asthmatics: Overuse of inhaled beta-agonists, underuse of inhaled corticosteroids, Division of Pulmonary and Critical Care Medicine, Yale University School of Medicine, New Haven, CT.
- Treatment patterns among adult asthmatics: Overuse of inhaled beta-agonists, underuse of inhaled corticosteroids, Division of General Internal Medicine, Case Western University School of Medicine, Cleveland, OH.
- Misuse of corticosteroid and β -agonist metered dose inhalers (MDIs) among adult asthmatics in managed care (MCOs), Combined Allergy and Immunology Meeting, Palm Beach, FL.
- Future HEDIS Measures for Asthma. Glaxo-Wellcome Asthma Managed Care Consultants Program. Naples, FL.
- Asthma Therapy Assessment Questionnaire: Results of a Validation Study, Blue Plus, Minneapolis, MN.
- 1999 Bronchoscopy Quality Improvement Project: A Hospital Based Cohort Study. Health Services Research and Development Research Seminar.

Lesson Learned from Studies of Asthma in Managed Care. Best Practices Symposium sponsored by the Pacific Business Group on Health, Oakland, California.

Quality of Care and Guidelines: Management of Asthma. Practice Guidelines Workshop. Johns Hopkins Medical Services Corporation, Baltimore, MD, November 1999 and May 2000.

2000 Asthma Care by Asthma Specialists. Department of Medicine Grand Rounds. Greater Baltimore Medical Center, Baltimore, MD.

Predictors of Outcomes in Asthma. Frontiers in Research and Clinical Management of Asthma and Allergy Conference. Johns Hopkins Asthma & Allergy Center, Baltimore, MD.

Update in Asthma. Update in Pulmonary and Critical Care Medicine, Johns Hopkins University, Santa Fe, NM.

Fine-tuning your Bronchoscopy Practice. Bronchoscopy Workshop. Johns Hopkins University, Santa Fe, NM.

Underuse of Inhaled Corticosteroids in Asthma. Department of Medicine Grand Rounds, Johns Hopkins University, Baltimore, MD.

Nocturnal Asthma: Impact on Children and Their Parents. Research Conference of the Center for Childhood Asthma in the Urban Environment, Johns Hopkins University, Baltimore, MD.

Bronchoscopy Quality Improvement Project: Design Issues and Results. Robert Wood Johnson Clinical Scholars Program, Johns Hopkins University, February 1998 and April 2000.

2001 COPD- The Role of Steroids. Maryland Thoracic Society 41st Annual Meeting and Scientific Session, Pulmonary and Critical Care Medicine: State-of-the-Art, Baltimore, MD.

Update in Asthma. Johns Hopkins Bayview Medical Center, Department of Medicine, Baltimore, MD.

Severity, Control and Nocturnal Symptoms of Asthma in Children. Research Conference, Division of Pediatric Pulmonary Medicine, Johns Hopkins University. Baltimore, MD.

2002 Non-pharmacologic pain control with Bedscapes for Bronchoscopy. American Red Cross, Arlington, VA.

2003 Annual High Sierra Critical Care Conference; Update in Asthma Management for 2003.

Annual High Sierra Critical Care Conference; How to get the most from your bronchoscopy practice.

Office of Community Health, Community Chats 2002-2003.

Burnt Pizza and Near-Death from Asthma. Department of Internal Medicine Grand Rounds, Johns Hopkins Bayview Medical Center, Baltimore, Maryland.

Using Functional Genomics to Understand Complex Lung Disease, ATS/NHLBI.

Aligning Asthma Care with Assessment of Severity, Healthcare Quality and Safety Research Seminar Series, JHU.

Asthma Epidemiology, World Allergy Organization (WAO), Vancouver.

Aligning Asthma Care with Assessment of Severity. Pulmonary and Critical Care Grand Rounds, Oregon Health Services University.

2004 Office of Community Health, Community Chats 2003-2004; Impact of Night Time Asthma on Children and their Families Effective Asthma Medication.

The Role of the Indoor Home Environment in Childhood Asthma. Johns Hopkins-Barbados Genetic Epidemiology of Obstructive Lung Disease Research Conference, Almond Bay, Hastings, Christ Church, Barbados.

Environmental Factors Impacting Respiratory and Immunologic Disease. Gulf Coast Pediatric Environmental Health Symposium, Baylor College of Medicine, Houston, Texas.

Aligning Asthma Care with Estimates of Asthma Severity: Development of the Asthma Communication Instrument. Research Conference, Division of Pulmonary and Critical Care Medicine, Department of Pediatrics, Johns Hopkins University, Baltimore, Maryland.

Epidemiology as a Tool for Understanding Respiratory Disease: Case-Control Studies, American Thoracic Society, Orlando, Florida.

Standardizing the Care of the Patient with COPD: Is the Quality of Care Truly Improved? American Thoracic Society, Orlando, Florida.

Getting the Most Out of Bronchoscopy Services, 6th Annual Update, Pulmonary and Critical Care Medicine, Santa Rosa, California.

Severe Asthma: Current and Future Management, 6th Annual Update, Pulmonary and Critical Care Medicine, Santa Rosa, California.

2005 Office of Community Health, Community Chats 2005-2006. The Growing Child and Other Health Issues: Impact of Night-Time Asthma on Children and Their Families

Office of Community Health, Community Chats 2005-2006; Lung Disease: Making the Home Safer for Asthmatics.

Health Care Communications and Cultural Competency, National Workshop to Reduce Asthma Disparities, Chicago, Illinois.

The Home Environment of East Baltimore Preschool Children With and Without Asthma, Department of Physiology, Bloomberg School of Public Health, Johns Hopkins University.

COPD: A Pragmatic Approach to Improving Outcomes. Baltimore, Maryland.

COPD: A Pragmatic Approach to Improving Outcomes. COPD Exchange, Pittsburgh, Pennsylvania.

COPD: Evolving Concepts of Therapy. COPD Exchange, Baltimore, Maryland.

Aligning Asthma Care with Assessment of Severity and Control in Practice. Department of Internal Medicine, York Hospital, York, Pennsylvania.

Office of Community Health, Community Chats 2005-2006; Treating Asthma in Children, New Psalmist Christian School, Baltimore, Maryland.

The Role of the Indoor Home Environment in Childhood Asthma. Johns Hopkins-Barbados Asthma Conference, Almond Bay, Hastings, Christ Church, Barbados.

Is it Smart to Prescribe Long-Acting β -Agonists for Patients with Asthma? Division of Allergy and Clinical Immunology, Johns Hopkins University. December 2, 2005; and Rush University, Chicago, Illinois.

Aligning Asthma Care with Assessment of Severity and Control in Practice. Primary Care Conference, Baltimore, Maryland, February 24, 2006; Ohio State Pulmonary Grand Rounds, April 7, 2006; and Hospital of the University of Pennsylvania. January 25, 2008.

2006 Aligning Asthma Care with Assessment of Severity and Control in Practice. American Lung Association, Chicago, Illinois.

Should We Still use Long-acting Beta-Agonists in Patients with Asthma? Johns Hopkins University, School of Medicine, Department of Medicine Grand Rounds.

Development of the Asthma and Control Communication Instrument. University of Maryland, Pulmonary Research Conference, Baltimore, MD.

Update in COPD. Baltimore-Washington Hospital, Department of Medicine Grand Rounds. Glen Burnie, Maryland.

Issues Related to Beta-2 Agonist Therapy; Polymorphisms/Clinical Outcomes/Adverse Events Profile. 20th Annual Update. Frontiers in Research and Clinical Management of Asthma and Allergy: From Bench to Bedside. Johns Hopkins University School of Medicine, Division of Allergy and Clinical Immunology, Johns Hopkins Asthma & Allergy Center at Johns Hopkins Bayview Medical Center, Baltimore, Maryland.

2007 Office of Community Health, Community Chats 2007-2008; Asthma: How Asthmatics Can Make Their Home Safer; Effective Asthma Medication.

Hyperinflation in COPD Linking Physiology to Patient Experience. Boehringer-Ingelheim Pharmaceuticals, Inc, Christiana Care Hospital, Newark, Delaware.

Environmental Issues in Managing Asthma. 41st Respiratory Care Journal Conference. Scottsdale, Arizona, September 28, 2007.

Translational Science Think Tank. Collaborative Research Bridging Basic, Clinical and Health Services Domains: Challenges and Opportunities.” University of Connecticut Health Center, Farmington, CT, December 6, 2007.

2008 NCQA On-line Program: Best Practices in COPD Treatment. Course Faculty. December 2007-December 2008.

Approaching and Garnering the Support of Community Partners for Community-Based Research. American Thoracic Society International Meeting.

Logistic Regression. American Thoracic Society International Meeting Post-graduate Course.

Assessing Control is Good, But Not Sufficient for Management of Asthma. American Thoracic Society International Meeting Scientific Symposium.

The Death of Primary Care. Barker Grand Rounds, Johns Hopkins University, Baltimore, Maryland.

Is Genetic Polymorphism important in response to asthma therapy? Johns Hopkins 21st Update Frontiers in Research and Clinical Management of Asthma and Allergy. Johns Hopkins Asthma and Allergy Center, Baltimore, Maryland.

Joint Indo-US Workshop on Environmental Risks of Respiratory Disease. Prevalence of Respiratory Disease in India. Chandigarh, India.

Bridging the Evidence-to-Practice Gap in Asthma and Chronic Obstructive Pulmonary Disease from a National and International Perspective: An Update. American Thoracic Society International Meeting, San Diego, CA.

2009 Diet and inner city asthma: Is there a connection? Department of Medicine Grand Rounds, Johns Hopkins University, Baltimore, MD.

Role of indoor pollutants in respiratory disease. Fellows Orientation Conference, Division of Allergy and Clinical Immunology, Johns Hopkins University, Baltimore, MD.

Susceptibility determinants of childhood asthma. Session: Contributing factors that influence the relationship between environmental exposures and children’s health. Pediatric Academic Societies Annual Meeting, Baltimore, MD.

Scientific Advisory Committee, Merck Childhood Asthma Network, Washington, DC.

Pediatric Asthma Roundtable meeting-Improve lives of children with asthma in the Baltimore area. National Asthma Campaign, Baltimore, MD.

2010 Topics in Clinical Medicine 2010. Session: Meet the Professor—Pulmonary. Johns Hopkins University Annual Topics in Clinical Medicine, Baltimore, MD.

Validated questionnaires in the management of allergic disorders: Applications and interpretation. Johns Hopkins Community Physicians, Baltimore, MD.

Validated questionnaires in the management of allergic disorders: Effective Use in an Allergy Practice Setting. Session: State-of-the-Art Session 2525: American Academy of Allergy, Asthma and Immunology International Meeting, New Orleans, LA.

Indoor environmental exposures and asthma disparities. Scientific Symposium: Asthma disparities: Root cause and global solution. American Thoracic Society International Meeting, New Orleans, LA.

2010 Speaker: Environmental Issues in Managing Asthma. Post-Graduate Respiratory Medicine Meeting, Irish Lung Foundation, Dublin, Ireland. June 2010.

Speaker, Asthma Update Seminar. Eastern Shore AHEC, Hyatt Regency Chesapeake Bay, Cambridge, Maryland. August 2010.

Academy of Industrial Hygiene, PCIH 2010. Fort Worth, Texas, October 7-8, 2010
21st Century Toxicity Testing and Human Health Risk Assessment for Environmental Agents.

Speaker: (1) "Lung responses to environmental toxins"

Speaker: (2) "Environmental residential exposures to allergens and irritant gases"

Speaker: (3) "Role of Pulmonary and Respiratory Irritants in Asthma, COPD, and Bronchiolitis Obliterans"

Speaker: "Is diet driving the asthma epidemic?" NIEHS/EPA Conference, Protecting children's health for a lifetime: Environmental health research meets clinical practice and public policy conference, October 19-20, Washington, DC

Speaker: Environmental Health Department Doctoral Seminar, Boston University, October 22, 2010. "The role of indoor pollutants and allergens and asthma in inner city children: Some of the bad ingredients in a toxic stew."

Participant, Workshop: Task Force for the Asthma Disparities Working Group/Federal Task Force on Environmental Health Risks and Safety Risks to Children Steering Committee, "Developing a coordinated federal action plan to reduce asthma disparities." NIH-NHLBI/EPA/HUD. Washington, DC. December 16-17, 2010.

2011 Visiting Professor, Leading Voices in Public Health Lecture Series. "The mouse, the house and the hamburger: Making sense of the asthma epidemic." The College of Public Health and the Public Health Student Association, East Tennessee State University, March 3, 2011.

Lecturer, Teaching Course entitled Health Care Organization and Delivery: "Indoor environmental exposures and asthma disparities." East Tennessee State University, March 3, 2011.

Lecturer, Teaching Course entitled Introduction to Air Pollution: "Asthma and Air Pollution." East Tennessee State University, March 4, 2011.

Invited Speaker: U.S. Congress Briefing, Preventing Breast Cancer and Pediatric Asthma: Links to the Environments of Women and Children, Rayburn House Office Building B-354 NIH/NIEHS. "The Mouse, the House and the Hamburger: Making Sense of the Asthma Epidemic." April 21, 2011.

Invited Speaker-Panelist: Clearing the Air, Addressing asthma disparities in Maryland.
 Session A-3: “Asthma Interventions: Research into Practice,” and
 Session B-4: “The human side of asthma: Educating patients to make health decisions—overcoming barriers to medication adherence.” Linthicum, MD. June 2011.

Invited Speaker: National Healthy Homes Conference. Track 7: Just the Facts. Session 7H-2.
 “Nanoparticles and nitrogen dioxide from stoves: Health effects and strategies to reduce exposure and improve asthma control.” Denver, CO. June 2011.

2012 Visiting Professor, Division of Pulmonary Medicine, Allergy and Immunology Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA, January 5, 2012.

Invited Speaker, Pediatric Pharmacology Division, National Jewish Health. “The house, the mouse and the hamburger: Making sense of the asthma epidemic.” Denver, CO, June 2012.

Invited Speaker, Johns Hopkins Bloomberg School of Public Health/The Maryland Department of Health and Mental Hygiene/The mid-Atlantic Public Health Training Center. “Reducing asthma disparities in children: A model program with promising results. Baltimore, MD, June 2012.

Invited Speaker, EPA/NIEHS Children’s Centers 2012 Webinar Series, Protecting children’s health for a lifetime. “Role of home environment and diet on childhood asthma.” December 2012.

2013 Visiting Professor, “The house, the mouse and pizza: Explaining the asthma epidemic.” Universidad de Los Andes, Bogota, Columbia, April 2013.

Invited Speaker, Scientific Symposium: Developmental origins of asthma and allergies: Environment, modifiers and mediators, “Indoor exposures and ETS.” American Thoracic Society International Meeting, Philadelphia, PA. May 2013.

Invited Speaker, Congressional Briefing, Health and Medicine Counsel of Washington. “Protecting children’s health for a lifetime: How the environment influences health and development,” hosted by Senator Kirsten E. Gillibrand, 385 Russell Senate Office Building. Sponsored by Friends of NIEHS, the American Academy of Pediatrics, and the Children’s Environmental Health Network. October 2013.

Invited Lecturer, Johns Hopkins University School of Nursing, “Diagnosis, Symptom, and Illness Management I – Adult Course.” Topic: Asthma. December 2013.

2014 Invited Lecturer and participant, NIH – MOST Clinical and Translational Science Workshop, NIH Campus, Stone House, Bethesda, MD, July 21-22, 2014.

Invited Speaker, Respiratory Expert Forum Ireland, “Beat the Professor” Case Studies on treating difficult airways disease, Dublin, Ireland, October 17-18, 2014.

2015 Invited Speaker, The Children’s Environmental Health Network’s 2015 CEHN Pediatric Research Conference Children: Food and Environment, “Prevention and Treatment of Asthma with Diet: Progress and Promise.” The University of Texas at Austin, Austin, TX. February 4-6, 2015.