

CURRICULUM VITAE

Corinne Keet

6/13/2018

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

Associate Professor of Pediatrics
Department of Pediatrics
Johns Hopkins School of Medicine

Personal Data

Business Address: Johns Hopkins Hospital
600 N. Wolfe St. CMSC 1102
Baltimore, MD 21287
Tel: 410-955-5883
Cell: 410-209-0747
Fax: 410-955-0229
Email: ckeet1@jhmi.edu

Education and Training (in chronological order):

	Year	Degree/Certificate	Institution	Discipline
Undergraduate	1998	B.A.	University of California, Berkeley,	Chemistry
Graduate	2001	M.S.	University of California, Berkeley,	Health Sciences
	2004	M.D.	University of California, San Francisco	
	2014	PhD	Johns Hopkins Bloomberg School of Public Health,	Epidemiology
Post-doctoral	2004 - 5	Internship in Pediatrics	Johns Hopkins Hospital	
	2005 -7	Residency in Pediatrics	Johns Hopkins Hospital	
	2007 - 10	Fellowship Allergy/Immunology	Johns Hopkins University	

Professional Experience

Dates	Positions	Institutions
2010-2015	Assistant Professor	Johns Hopkins School of Medicine, Baltimore, Maryland
2016-	Co-Director of the Pediatric Clinical Research Unit	Johns Hopkins School of Medicine, Baltimore, Maryland
2016-	Associate Professor	Johns Hopkins School of Medicine, Baltimore, Maryland

RESEARCH ACTIVITIES

Publications: Peer-reviewed Original Science Research

1. Hamrick SE, Gremmels DB, **Keet CA**, Leonard CH, Connell JK, Hawgood S, Picuch RE. Neurodevelopmental outcome of infants supported with extracorporeal membrane oxygenation after cardiac surgery. *Pediatrics*. 2003; 111: e671-5.
2. **Keet CA**, Matsui EC, Dhillon G, Lenehan P, Paterakis M, Wood RA. The Natural History of Wheat Allergy. *Annals of Allergy Asthma Immunol*. 2009; 102: 410-415.
3. **Keet CA**, McCormack MC, Peng RD, Matsui EC. Age- and Atopy- Dependent Effects of Age- and Atopy-Dependent Effects of Vitamin D on Wheeze and Asthma. *Journal of Allergy and Clinical Immunology*. 2011; 128: 414-16.
4. Neuman-Sunshine DL, Eckman JA, **Keet CA**, Matsui EC, Peng RD, Lenehan PJ, Wood RA. “The natural history of persistent peanut allergy”, *Annals of Allergy Asthma Immunol*. 2012; 108: 326-331
5. **Keet CA**, Wood RA, Masui EC. Personal and parental nativity as risk factors for food sensitization. *Journal of Allergy and Clinical Immunology*. 2012; 129: 169-175.
6. **Keet CA**, Frischmeyer-Guerrerio PA, Thyagarajan A, Schroeder JT, Hamilton RG, Boden S, Steele P, Driggers S, Burks AW, Wood RA. The Safety and Efficacy of Sublingual and Oral Immunotherapy for Milk Allergy. *Journal of Allergy and Clinical Immunology*. 2012; 129:448-55,455.e1-5.
7. **Keet CA**, Matsui EC, Savage JH, Neuman-Sunshine D, Skripak J, Peng RD, Wood, RA. “Potential mechanisms for the association between fall birth and food allergy”, *Allergy*. 2012; 67:775-82
8. Savage J, Matsui EC, Wood RA, **Keet CA**. Urinary levels of triclosan and parabens are associated with aeroallergen and food sensitization. *Journal of Allergy and Clinical Immunology*. 2012; 130: 453-460.e7.
9. **Keet CA**, Wood RA, Matsui, EC. Limitations of reliance on specific IgE for epidemiologic surveillance of food allergy. *Journal of Allergy and Clinical Immunology*. 2012; 130: 1207-1209
10. **Keet CA**, Johnson K, Savage JH, Hamilton RG, Wood RA. Evaluation of Ara h2 IgE thresholds in the diagnosis of peanut allergy in a clinical population. *JACI: In Practice*. 2013; 1: 101-103
11. **Keet CA**, Seopaul S, Knorr S, Narisety S, Skripak J, Wood R. Long-Term Follow-up of Oral Immunotherapy for Cow’s Milk Allergy. *Journal of Allergy and Clinical Immunology*, 2013; 132: 737-739.
12. Holbrook T, **Keet CA**, Guerrerio P, Wood R. Use of Ondansetron in the Treatment of Food Protein Induced Enterocolitis Syndrome (FPIES) Reactions. *Journal of Allergy and Clinical Immunology* 2013; 132: 1219-20.

13. McGowan E, **Keet CA**. Prevalence of self-reported food allergy in the National Health and Nutrition Examination Survey (NHANES) 2007-2010. *Journal of Allergy and Clinical Immunology* 2013; 132:1216-1219.e5.
14. Schroeder, JT, Bieneman AP, Chinester KL, **Keet, CA**; Hamilton, RG; MacGlashan DW Jr., Wood, R, Guerrerio, P; Spontaneous Basophil Responses in Food Allergic Children are Transferable by Plasma and are IgE-dependent. *Journal of Allergy and Clinical Immunology*.2013; 132:1428-31.
15. **Keet CA**; Shreffler WG; Peng RD; Matsui W; Matsui EC; Associations between serum folate and vitamin D levels and incident mouse sensitization in adults. *Journal of Allergy and Clinical Immunology* 2014; 133: 399-404.
16. **Keet CA**; Savage JH; Seopaul S; Peng RD; Wood RA; Matsui EC. Temporal Trends and Racial/Ethnic Disparity in Self-reported Pediatric Food Allergy in the US. *Annals of Allergy, Asthma and Immunology* 2014;112: 222-229.e3.
17. Savage JH; Matsui EC; McCormack M, Wood RA; **Keet CA**. The association between asthma and allergic disease and mortality – a 30 year follow-up study”. *Journal of Allergy and Clinical Immunology*. 2014; 133: 1484-7.
18. Radano, MC; Yuan Q; Katz A; Fleming JT; Kubala S; Shreffler W; **Keet CA**;. Cesarean Section and Antibiotic Use Found to be Associated With Eosinophilic Esophagitis. *JACI in practice*. 2014; 2: 475-477
19. Guerrerio, P; **Keet, CA**; Guerrerio, AL; Chichester, KL; Bieneman, AP; Hamilton, RG; Wood, RA; Schroeder, JT. Modulation of Dendritic Cell Innate and Adaptive Immune Function by Oral and Sublingual Immunotherapy. *Clinical Immunology*. 2014; 155: 47-59.
20. Robbins, K; Wood, RA; **Keet, CA**. Milk Allergy is associated with decreased growth in U.S. children. *Journal of Allergy and Clinical Immunology*. 2014;134:1466-1468.e6
21. Robbins, KA; Guerrerio, AL; Hauck, S; Henry, B; **Keet, CA**; Brereton, NH; Oh, S; Stasinopolos, DM; Wood, RA. Growth and nutrition in children with multiple food allergies who require elemental formula for nutritional support. *Journal of Allergy and Clinical Immunology*. 2014; 134:1463-1466.e5
22. Chen, Q; Martin, R; Hoag, SW; Wood, RA; Mao, HQ; **Keet, CA**. Formulation and Characterization of Orally Dissolving Thin Films Containing the German Cockroach *Blattella germanica* (Blat g 2) Allergen. *International Journal of Pharma Sciences* 2014; 4: 730-735
23. Narisety, S; Frischmeyer-Guerrerio P; **Keet, CA**, Gorelik M; Schroeder J; Hamilton RA, Wood RA. A Randomized, Double-Blind, Placebo-Controlled Pilot Study of Sublingual versus Oral Immunotherapy for the Treatment of Peanut Allergy. *Journal of Allergy and Clinical Immunology*. 2015; 135: 1275-82.
24. Gorelik, M, Narisety, S; Guerrerio, AL; Chichester, KL; **Keet, CA**; Bieneman, AP; Hamilton, RG; Wood, RA; Schroeder, JT; Frischmeyer-Guerrerio, PA.

Immunologic Suppression to Peanut During Immunotherapy Is Often Transient. *Journal of Allergy and Clinical Immunology*. 2015; 135:1283-92

25. **Keet, CA**; McCormack, MC; Pollack, CE; Pend, RD; McGowan EC; Matsui EC. Neighborhood Poverty, Urban Residence, Race/ethnicity and Asthma: Rethinking the Inner-city Asthma Epidemic. *Journal of Allergy and Clinical Immunology*. 2015; 135: 655-62
26. Xiumei Hong, X; Hao, K; Ladd-Acosta, C; Hansen, KD; Tsai, HJ; Liu, X; Xu, X; Thornton, TA; Caruso, D; **Keet, CA**; Sun, Y; Wang, G; Luo, W; Kumar, R; Fuleihan, R; Singh, AM; Kim, JS; Story, RE; Gupta, RS; Gao, P; Chen, Z; Walker, SO; Bartell, TR; Beaty, TH; Fallin, MD; Schleimer, R; Holt, PG; Nadeau, KC; Wood, RA; Pongratic, JA; Weeks, DA; Wang, X. Genome-wide Association Study of Food Allergy Identifies Peanut Allergy-Specific Susceptibility Loci and Evidence of Epigenetic Mediation in U.S. Children of European Ancestry. *Nature Communications*. 2015;6: 6304
27. McGowan, EC; McCormack MC; Pollack CE; Peng, RD; **Keet, CA**; The Effect of Poverty, Urbanization, and Race/Ethnicity on Perceived Food Allergy in the United States. *Annals of Allergy, Asthma and Immunology*. 2015; 115:85-86
28. He, H; Butz, A; **Keet, CA**; Minkovitz, C; Hong, X; Caruso, D; Pearson, C; Cohen, R; Wills-Karp, M; Zuckerman, B; Hughes, M.; Wang, X; Preterm Birth with Childhood Asthma: The Role of Degree of Prematurity and Asthma Definitions. *American Journal of Respiratory and Critical Care Medicine*. 2015; 192:20-3
29. Jones, SM; Burks, AW; **Keet, CA**; Vickery, BP; Scurlock, AM; Wood, RA; Liu, AH; Sicherer, SH; Henning, AK; Lindblad, RW; Dawson, P; Berin, C; Fleischer, DM; Leung, DYM; Plaut, M; Sampson, HA. Long-Term Treatment with Egg Oral Immunotherapy Enhances Sustained Unresponsiveness That Persists After Cessation of Therapy. *Journal of Allergy and Clinical Immunology*. 2016; 137:1117-27.
30. Hong, X; Ladd-Acosta, C; Hao, K; Sherwood, B; Ji, H; **Keet, CA**; Kumar, R; Caruso, D; Liu, X; Wang, G; Chen, Z; Ji, Y; Mao, G; Walker, SO; Bartell, TR; Ji, Z; Sun, Y; Tsai, H; Pongratic, JA; Weeks, DE; Wang, X. Epigenome-wide association study links site-specific DNA methylation changes with cow's milk allergy. *Journal of Allergy and Clinical Immunology*. 2016; 138: 908-911
31. McGowan, EC; Peng, RD; Salo, PM; Zeldin, DC; **Keet, CA**. Changes in Food-specific IgE Over Time in the National Health and Nutrition Examination Survey (NHANES). *JACI: In Practice*. 2016; 4: 713-20
32. Vickery BP; Berglund JP; Burk CM; Fine JP; Kim EH; Kim JI; **Keet CA**; Kulis M; Orgel KG; Guo R; Steele PH; Virkud YV; Ye P; Wright BL; Wood RA; Burks AW. Early oral immunotherapy in peanut-allergic preschool children is safe and highly effective. *Journal of Allergy and Clinical Immunotherapy*. 2017; 139: 173-181
33. McGowan, EC; Matsui, EC; Peng, RD; Salo, PM; Zeldin, DC; **Keet, CA**. Racial/ethnic and socioeconomic differences in self-report of food allergy among

food-sensitized children in NHANES III. *Annals of Allergy Asthma Immunol.* 2016; 117(5):579-572

34. Hughes, HK; Matsui, EC; Tschudy, MM; Pollack, CE; **Keet, CA**. Pediatric Asthma Health Disparities: Race, Hardship, Housing, and Asthma in a National Survey. *Academic Pediatrics.* 2017; 17; 127-134
35. **Keet, CA**; Matsui, EC; McCormack, MC; Peng, RD. Urban residence, neighborhood poverty, race/ethnicity and asthma morbidity among children in Medicaid. *Journal of Allergy and Clinical Immunotherapy.* 2017; 140; 822-827
36. **Keet, CA**; Keller, J; Peng, RD. Long-term coarse PM exposure is associated with asthma among children in Medicaid. *AJRCCM.* 2017 Dec 15. Epub ahead of print
37. Dunlop JH, **Keet CA**, Mudd K, Wood RA. Long-term Follow-up After Baked Milk Introduction. *JACI: In practice.* 2018 Feb 2.
38. Dunlop, JH, **Keet CA**. Goals and Motivations of Families Pursuing Oral Immunotherapy for Food Allergy. *JACI: In Practice.* In press.

Inventions, Patents, Copyrights

Date	Title
2016	Patent Application 20150125495: ORALLY DISSOLVING THIN FILMS CONTAINING ALLERGENS AND METHODS OF MAKING AND USE

Extramural Funding (current, pending, previous)

Current:

1U01AI125290 (Keet)	7/01/2016-6/30/2021	4.2 calendar
NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES		
\$1,934,791 (direct)		

Role: PI

Early Peanut Introduction: Translation to Clinical Practice

This proposal is to enroll infants at high risk of peanut allergy in order to determine the risk of peanut allergy in various high risk groups, how screening tests for peanut allergy perform in these groups, and to characterize the relationship between dose of peanut and peanut prevention.

1UM2AI130836-01 (Wood)	03/01/17 - 02/29/24	1.20 calendar
NIH/NIAID		
\$3,673,872 (direct)		

Role: Co-Investigator and Project Lead

New Horizons In The Prevention And Treatment Of Food Allergy Fund

Our goals will be 1) to rapidly implement a food allergy registry study that will provide the means to fully characterize and phenotype a large population of patients, determine true rates of reactions, and serve as a recruitment source for clinical trials, 2) to develop and implement a novel, cutting edge protocol for the treatment of food allergy, 3) to choose and develop additional protocols for inclusion in the consortium, especially related to other promising approaches in development for either treatment or prevention, 4) to integrate the Biomarker Facility into each clinical protocol and 5) to maximally leverage the resources and

potential of the Opportunity Fund to expand the mechanistic study of food allergy and its treatment.

1UM1AI130838-01 (Wood) 03/03/17 – 02/29/24 .60 calendar
NIH/NIAID \$143,878 (direct)

Role: Co-Investigator

Clinical Research Unit: Johns Hopkins University

Our aims are to maintain and expand a highly trained team capable of conducting cutting edge food allergy research 2) Organize and facilitate communication between the Hopkins CRU and each of the consortium's components, including the Leadership Center, the NIAID, and the SACCC, 3) Sustain and expand a large and diverse patient population of food allergic patients, 4) Train new and early stage investigators in the conduct of clinical investigation in food allergy and 5) Develop and implement a cutting edge clinical trial on the treatment of food allergy.

UL1TR001079 (Ford) 09/26/13 – 04/30/18 3.6 calendar
NIH/NCATS \$10,632,606

Role: Co-director of the Pediatric Clinical Research Unit

The Johns Hopkins Institute for Clinical and Translational Research

The Johns Hopkins Institute for Clinical and Translational Research (ICTR) is dedicated to creating a new model for conducting clinical and translational research throughout the Johns Hopkins University, by addressing critical obstacles that impede the progress of basic science discoveries to the clinic, clinical discoveries into the community and results back to the research community. This is accomplished through the fostering of communities of translational scientists, providing coordinated expert consultation through a research studio, pilot grant funding, key clinical and translational infrastructure to help researchers implement their research, and through the training and career development of the next generation of translational scientists.

1R01ES026170 (Matsui/Keet) 3/16-2/21 0.96
calendar

NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES

\$1,646,622 (direct)

Role: Co-PI

The effect of a housing mobility program on environmental exposures and asthma morbidity among low-income minority children

5R01ES023447-05 (Matsui) 01/13/2014 – 10/31/2018 0.96 calendar
NIH/NIEHS \$412,174

Environmental Control as Add-on Therapy in Urban Children with Asthma

Role: Co-PI

Our aims are to determine the effect of the addition of ECS to controller medication titration on controller medication requirements and allergic inflammatory biomarkers, and to determine whether reductions in particulate matter (PM) and/or indoor allergens mediate the effects of an ECS on asthma.

1 R21 AI133492-01A1 (Davis) 6/18/18-5/31/20
National Institute of Allergy and Infectious Diseases

Role: Co-I

The effects of a housing mobility program on home environmental and host airway microbiota and asthma morbidity among low-income minority children.

Previous:

1K23AI103187: (Keet) 08/15/2012-12/1/2016-9 calendar
NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
\$633,050 (direct)

Role: PI

Genetic and Environmental Determinants of Food Allergy

This grant supports the career development of the candidate in a project focused on the genetic determinants of food allergy.

5KL2RR025006 (Ford) 6/1/10 – 5/31/12 9.6 calendar
Institute for Clinical and Translational Research KL2
NIH/NCRR

Role: KL2 Scholar

This CTSA grant supports clinical and translational research throughout Johns Hopkins. It includes support for education and training of new translational investigators, facilities in which clinical research can take place and infrastructure support of patient recruitment, bioinformatics, biostatistics and translational core centers.

5P50ES015903-03 (Breysse) 09/29/07-05/31/13 2.2 calendar
NATIONAL INSTITUTES OF HEALTH

Center for Childhood Asthma in the Urban Environment

Role: Co-Investigator

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.

NIH/T32AI007007 Wood (PI) 7/1/75-8/31/14 12 calendar
Research Training in Pediatric Allergy and Immunology

Project: Comparison of Sublingual and Oral Immunotherapy for Milk Allergy

Role: Post-Doctoral Fellow

The goal of this study was to compare sublingual and oral immunotherapy for children with severe milk allergy, and to evaluate the immunological correlates of treatment.

1R21HD: 073557 (Keet) 06/10/2013-05/31/2016 1.2 calendar
EUNICE KENNEDY SHRIVER NATIONAL INSTITUTE OF CHILD
HEALTH & HUMAN DEVELOPMENT
\$282,702 (direct)

Role: PI

Development of a Dissolving Film for Allergen Immunotherapy in Children

We have developed a film for use in the treatment of peanut allergy. In this grant, we propose to extend this method to other important allergens for children and explore methods to optimize its use in children.

1R21AI107085 (Keet) 07/13-05/16 1.2 calendar
NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
\$282,702 (direct)
Role: PI
Temporal Trend in Food Sensitization in U.S. Children
This proposal is to measure specific IgE to selected foods in the NHANES III survey (1988-1994) in order to compare rates of sensitization with the NHANE 2005-6 survey to determine whether sensitization is increasing in parallel with self-report of food allergy.

Gerber Family Foundation (Yung) 10/13-10/16 0.2 calendar
\$300,000 (direct)
Role: Consultant
Early Risk Factors for Gastrointestinal Mucosal Food Allergies
This proposal is to establish a birth cohort to examine early life risk factors for food allergy.

EDUCATIONAL ACTIVITIES

Educational Publications

Invited Review Articles

1. **Keet CA**, Wood RA. Food allergy and anaphylaxis. *Immunol Allergy Clin North Am.* 2007; 27:193-212, vi.
2. **Keet CA** and Wood RA. Risk Factors for Peanut Allergy. *Journal of Allergy and Clinical Immunology.* 2009; 124:387
3. **Keet C.** Recognition and Diagnosis of Food-Related Anaphylaxis. *Pediatric Clin North Am.* 2011; 58:377-88.
4. Narisety SD, **Keet CA.** Sublingual vs. Oral Immunotherapy for Food Allergy: Identifying the Right Approach. *Drugs.* 2012; 72:1977-89
5. **Keet CA**, Wood RA. Emerging Therapies for Food Allergy. *Journal of Clinical Investigation.* 2014;124:1880-6
6. **Keet CA**, Guerrerio PG, Wood RA. Pediatric Allergy. *Immunol Allergy Clin North Am.* 2015; 35:xiii-xiv.
7. Matsui EC; **Keet CA.** Weighing the Evidence: Evaluating Epidemiologic Studies in Allergy/Immunology. *Journal of Allergy and Clinical Immunology.* 2017, Feb; 2:127-134
8. Rachid R; **Keet CA.** Current Status and Unanswered Questions for Food Allergy Treatments. *JACI: In practice.* 2017 Nov 18.

9. Dunlop JH; **Keet CA**. Epidemiology of Food Allergy. Immunology Allergy Clinics North America. 2018 Feb;38(1):13-25

Editorials

1. **Keet CA** and Wood RA. Baby – and toddler -- steps toward immunotherapy for food allergy. Clin Exp Allergy. 2011; 41:1175-6
2. Matsui EC and **Keet CA**. Are all skin testing devices created equal? JACI-In Practice. 2015; 894-5
3. **Keet CA**. A Call to Improve Standards for Reporting of Diagnostic Test Research in Allergy. Journal of Allergy and Clinical Immunology. 2016; 137: 1761-3
4. **Keet CA** and McCormack M. Cardiac Asthma: An old term that may have new meaning? JACI-In practice. 2016; 4: 924-5
5. **Keet CA**. Getting to the Root of the Food Allergy “Epidemic”, JACI: In Practice 2018,6(2):449-450
6. Rachid R, **Keet CA**. Food Allergy: What’s on the Menu in 2018? JACI: In practice 2018 6(2):419-420

Case Reports

1. **Keet CA**, Fox CK, Margeta M, Marco E, Shane AL, Dearmond SJ, Strober JB, Miller SP. Infant botulism, type F, presenting at 54 hours of life. Pediatr Neurol. 2005; 32:193-6.
2. Ezzell JE, **Keet CA**, McDonald W, Banerjee A. Medulloblastoma simulating acute myeloid leukemia: case report with a review of “myeloid antigen” expression in nonhematopoietic tissues and tumors. J Pediatr Hematol Oncol. 2006; 28:703-10.
3. Robbins, KA, **Keet CA**. A case of gelfoam intraoperative anaphylaxis. Annals of Allergy and Immunology. 2015; 114:531-3

Letters, correspondence

1. **Keet CA** and Wood RA. Risk Factors for Peanut Allergy. Journal of Allergy and Clinical Immunology. 2009; 124:387
2. **Keet C**; Radano MC, Shreffler W. Reply to Lifschitz. JACI: In practice. 2014; 2:643-4
3. **Keet C**; Letter of response to Greenhawt et al. ‘LEAPing Through the Looking Glass: Secondary Analysis of the Effect of Skin Test Size and Age of Introduction on Peanut Tolerance after Early Peanut Introduction’. Allergy. 2017; 72(8); 1267-1271

Book Chapters, Monographs

1. **Keet CA**, Wood RA. New Aspects of Peanut and Tree Nut Allergy. In: Pawankar R, Holgate S, and Rosenwasser LJ, eds. Allergy Frontiers. From Epigenetics to Future Perspectives. Springer Japan KK, Tokyo, Japan 2009.
2. **Keet CA**, Wood, RA. Overview of Mucosal Immunology and the Development of Oral Tolerance. In: James JM, Burks W, Eigenmann P, eds. Food Allergy. Saunders, September 2011.
3. **Keet CA**, Wang J. Acute Reactions and Anaphylaxis to Foods. In: Sicherer S et al. Food Allergy: Practical Diagnosis and Management. CRC Press. August 2013.

Teaching

Classroom instruction (dates, course title, role, location)

- | | |
|------------|--|
| 2012 | Graduate Student Instructor, Principles of Epidemiology, Summer Session, Johns Hopkins Bloomberg School of Public Health |
| 2012, 2013 | Graduate Immunology Medical Student Course, Guest Small Group Leader, Johns Hopkins |
| 2013- | Clinical Research Methods for Post-doctoral Fellows in Allergy/Immunology and Pulmonology, Co-director of course, Johns Hopkins |
| 2014- | Small Group Leader, Introduction to Clinical Research, Institute for Clinical and Translational Research, Johns Hopkins Medicine |
| 2015- | Graduate Immunology Medical Student Course, Coordinator for Allergy Section, Lecturer, Small group leader |
| 2016- | Speed Aims Reviewer, Institute for Clinical and Translational Research, Johns Hopkins Medicine |

CME instruction (dates, course title, role, location)

- | | |
|-------------|--|
| 2007-2015 | Pediatric Trends, Speaker, Johns Hopkins |
| 2009, 2010. | Allergy Grand Rounds, Speaker, Johns Hopkins |
| 2010 | Pediatric Grand Rounds, Johns Hopkins |
| 2014, 2015 | Pediatrics for the Practitioner, "Food Allergy", Johns Hopkins |
| 2017 | Pediatric Research, GTPCI Research Seminar |

Mentoring

Advisees:

1. Jessica Savage.
2. Emily McGowan.
3. Karen Robbins.
4. Shannon Seopaul.
5. Kristin Johnson.
6. Satya Narisety.
7. Marcella Radano.
8. Helen Hughes.
9. Mark Gorelik.
10. Huan He.
11. Joan Dunlop:
12. Suzanne Kochis.
13. Nicholas Jarbe.
14. Sarath Raju.
15. Emily Brigham.
16. Maria Gutteriez.

Thesis committees:

10/13 Huan He, PhD Student, Population, Family and Child Health, Johns Hopkins Bloomberg School of Public Health

4/15-4/18 Emily McGowan, PhD Student, Graduate Training Program in Clinical Investigation, Johns Hopkins Bloomberg School of Public Health. (Advisor)

12/18 Amanda Driscoll, Final Exam Committee, PhD Candidate, Epidemiology

Training grant participation:

1. Johns Hopkins Pediatric Allergy T32AI007056, 2010-
2. Burroughs Wellcome Fund, Maryland Genetics, Epidemiology and Medicine (MD-GEM), 2014-

3. Johns Hopkins Adult Allergy T32AI007007, 2010-2013

CLINICAL ACTIVITIES

Certification

9/30/2012 Maryland License Number: D0071006

2007 Diplomat, Pediatrics
American Board of Pediatrics

2010 Diplomat, Allergy and Immunology
American Board of Allergy and Immunology

Clinical (Service) Responsibilities (dates, specialty, role, time commitment)

2011-current. Pediatric Allergy Clinic. 10%

2010-current. Pediatric Allergy and Immunology Consult. 3-4 months/year.

2016. Pediatric Inpatient Attending. 2 weeks.

ORGANIZATIONAL ACTIVITIES

Editorial Activities (dates, role)

Guest Editor, Immunology and Allergy Clinics of North America, Pediatric Allergy, 2014

Contributor, Best Articles in Pediatric Allergy and Immunology, Pediatrics 2008-2015

Editorial Board, JACI: In Practice, 2015-

Editorial Board, Annals of Allergy, Asthma and Immunology, 2015-

Peer Reviewer, UpToDate, 2015-

Reviewer Board, Journal of Allergy and Clinical Immunology, 2016-2017

Editorial Board, Journal of Allergy and Clinical Immunology, 2017-

Advisory Committees:

2017 NIH Study Section, ZRG1 IMM-M (Immunology Study Section)

2017, June, November Ad Hoc Reviewer for NIH Study Section, SBIR (Small Business)

2018, January, Mail Reviewer for Kidney, Nutrition, Obesity and Diabetes Study Section, NIH.

Professional Societies (date, membership, committees, role)

2018- Board Member, American Board of Allergy and Immunology, Co-chair Maintenance of Certification/Continuous Assessment Pilot Exam Writing Committee

Journal Peer Review Activities

Reviewer for:

- Journal of the American Medical Association
- Journal of Allergy and Clinical Immunology
- Thorax
- Gastroenterology
- Annals of Asthma, Allergy, and Immunology
- Journal of Immunologic Methods
- International Archives of Allergy and Immunology
- Pulmonary Pharmacology and Therapeutics
- American Journal of Clinical Dermatology
- JACI: In Practice
- Allergy
- Clinical and Experimental Allergy
- PLOSone
- Acta Paediatrica
- AAAAI Annual Meeting Abstracts
- Pediatrics
- British Medical Journal

Professional Societies (date, membership, committees, role)

2004 - American Academy of Pediatrics

2011 - Fellow, American Academy of Pediatrics

2007 - American Academy of Asthma, Allergy and Immunology, Member, Subcommittee on Food Allergy

Committees at Johns Hopkins

2016- Pediatric Research Pipeline Committee

RECOGNITION

Awards, Honors (date, title, description, sponsor)

1997	Phi Beta Kappa
1998	High Honors and Distinction in General Scholarship
2000	University Fellowship for Graduate Study in Health and Medical Sciences
2003	American Medical Students Association Health Policy Fellowship
2004	Study Abroad Fellowship

2004	Alpha Omega Alpha
2004	Sadie Berkov Award (awarded to top three female graduates of U.C.S.F.)
2010	American Academy of Pediatrics (AAP) Section on Allergy and Immunology (SOAI) Outstanding Abstract Award - Fellow
2010	American Academy of Allergy, Asthma and Immunology (AAAAI) FADDA Section Outstanding Abstract Award
2011	American Academy of Pediatrics (AAP) Section on Allergy and Immunology (SOAI) Outstanding Abstract Award – Junior Faculty
2013	American Academy of Pediatrics (AAP) Section on Allergy and Immunology (SOAI) Outstanding Abstract Award – Junior Faculty
2017	Outstanding Reviewer Award, Journal of Allergy and Clinical Immunology

Invited Talks, Panels (date, title, venue, sponsor)

Johns Hopkins:

1. “Epidemiology of Food Allergy”, April 3, 2013, Johns Hopkins Pulmonary/Allergic Diseases Conference
2. “Peanut Introduction in Infancy: 180 degrees on allergy prevention”, September 28, 2016, Pediatric Grand Rounds
3. 2016 Speed Aims Reviewer, ICTR, Johns Hopkins University

Local:

1. “Asthma in the 21st Century: Time to rethink the “inner-city asthma epidemic”?” 2016 Sinai Hospital Grand Rounds
2. “Prevention and Treatment of Food Allergy” A Woman’s Journey, November 11, 2017
3. “Prevention of Food Allergy”, Grand Rounds. Lancaster General Hospital 2/15/2018

National:

1. “New Therapies for Food Allergy”, March 20, 2011 Annual Meeting American Academy of Allergy, Asthma and Immunology, San Francisco, California
2. “The PI’s Perspective on the FDA Audit”, March 1, 2012 Annual Meeting American Academy of Allergy, Asthma and Immunology, Orlando, Florida
3. “Food Allergy: How Much Do We Really Know?” March 8, 2013 NIH STEP Program, NIH, Bethesda, Maryland
4. “Is the Prevalence of Food Allergy Increasing, and, If So, Why?” April 5, 2013 Swineford Conference, Charlottesville, Virginia
5. “Born Under a Bad Sign; Gene-by-Environment Interactions in Food Allergy” August 13, 2013 Stanford University, Palo Alto, California
6. “Update on Food Allergy” October 26, 2013, Annual Meeting, American Academy of Pediatrics, Orlando, Florida

7. "Are antibacterial products causing food allergy?" March 2, 2014, Colorado Allergy and Asthma Society, Denver, Colorado
8. "Possible Environmental Causes of the Food Allergy Epidemic" March 3, 2014, Denver Allergy/Immunology Rounds, National Jewish Hospital, Denver, Colorado
9. "Epidemiology of Food Allergy" April 10, 2014, Food Safety Summit, session "Food Allergen Control – Trends and Updates", Baltimore, Maryland (this is the largest food safety event in North America, panel organized by the FDA)
10. "Management of food allergy in schools and daycares". October 13, 2014 Annual Meeting, American Academy of Pediatrics, San Diego, California
11. "Oral and Sublingual Immunotherapy: Who Should Be Treated and With Which Mode?" February 21, 2015 Annual Meeting, American Academy of Allergy, Asthma and Immunology, Houston, Texas
12. "Challenges in the design of clinical trials for food allergy" May 20, 2015, Society for Clinical Trials, Arlington, VA
13. "Hot Topics in Food Allergy" March 5, 2016 Annual Meeting, American Academy of Allergy, Asthma and Immunology, Los Angeles, California
14. "From the Margins to the Mainstream: OIT in the now" New Jersey Allergy Society. September 9, 2016
15. "The role of IgE in Eczema". October 23, 2016. Annual Meeting, American Academy of Pediatrics, San Francisco, CA
16. "How to Apply for and Obtain an NIH Grant for the New Investigator". March 3, 2017. Annual Meeting, American Academy of Allergy, Asthma and Immunology, Atlanta, Georgia
17. "Environmental Factors and Increasing Prevalence of Asthma and Allergic Rhinitis: Improved Hygiene and the Hygiene Hypothesis". March 5, 2017. Annual Meeting, American Academy of Allergy, Asthma and Immunology, Atlanta, Georgia
18. "AAP Year in Review Workshop: Hot Topics in Pediatric Allergy/Immunology, Food allergy". March 6, 2017. Annual Meeting, American Academy of Allergy, Asthma and Immunology, Atlanta, Georgia
19. "Prevention of food allergy by diet and skin care". September 17, 2017. Annual Meeting, American Academy of Pediatrics, Chicago, IL.
20. "Moving Toward Precision Medicine in Atopic Dermatitis and Food Allergy," October 26, 2017. Annual Meeting, American College of Allergy, Asthma and Immunology. Boston, MA

21. Practical Aspects of Early Peanut Introduction: Who Needs to Be Screened and How? Gordon Research Conference, January 1, 2018, Ventura, CA.

Internet:

1. “Advances in Food Allergy, 2012”, December 6, 2012, Webinar for American Academy of Allergy, Asthma and Immunology-New Allergist and Immunologist Association/Journal of Clinical Immunology
2. Video interview with Journal of Allergy and Clinical Immunology, 10/4/2013: Long-term Follow-up of Milk Allergy.
3. Video interview with Contemporary Pediatrics, 4/22/2014: Temporal Trends and Ethnic Disparities in Food Allergy
4. NEJM Expert Roundtable: Early introduction for prevention of food allergies. 3/2016

Other:

1. 6/3/2013: World Allergy Organization: Ask the expert “Food Desensitization by SLIT”