

## **Edwin H. Kim**

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Chapel Hill, NC 27599

### **Education**

- 07/2008 – 06/2011 **Duke University School of Medicine, Durham, NC**  
Fellowship: Allergy & Immunology
- 07/2005 – 06/2008 **Duke University School of Medicine, Durham, NC**  
Residency: Pediatrics
- 08/2001 – 06/2005 **UMDNJ-Robert Wood Johnson Medical School, Piscataway Township, NJ**  
MD
- 08/1999 – 06/2001 **Harvard School of Public Health, Boston, MA**  
MS, Health Policy & Management
- 08/1992 – 06/1996 **Massachusetts Institute of Technology, Boston, MA**  
BS, Biology

### **Professional Experience – Employment History**

- 07/2021 – present **Associate Professor and Division Chief**  
**University of North Carolina School of Medicine**, Department of Pediatrics,  
Division of Pediatric Allergy and Immunology, *Chapel Hill, NC*
- 11/2019 – present **Associate Professor**  
**University of North Carolina School of Medicine**, Department of Medicine,  
Division of Allergy, Immunology and Rheumatology, *Chapel Hill, NC*
- 09/2011 – 10/2019 **Assistant Professor**  
**University of North Carolina School of Medicine**, Department of Medicine,  
Division of Rheumatology, Allergy & Immunology, *Chapel Hill, NC*
- 07/2017 – 06/2021 **Medical Director**  
**University of North Carolina Allergy and Immunology Clinic, Chapel Hill, NC**
- 10/2015 – present **Director**  
**University of North Carolina Food Allergy Initiative, Chapel Hill, NC**
- 09/2015 – present **Program Director**  
07/2014 – 08/2015 **Associate Program Director**  
**University of North Carolina Allergy and Immunology Fellowship Training  
Program, Chapel Hill, NC**
- 11/2000 – 06/2001 **Intern**

**The Women's Care Network, Boston, MA**  
e-health marketplace analysis for development of a web-based physician/patient interface

06/2000 – 08/2000 **Intern**  
**Institute for Medical Quality, San Francisco, CA**  
Assessment of California's third-party external review program for denials of medical reimbursement

10/1997 – 01/1999 **Research Technician**  
**Dana Farber Cancer Institute, Boston, MA**  
Development of a non-radioactive screen for mutations in the BRCA genes using heteroduplex PCR

06/1995 – 05/1997 **Research Technician**  
**MIT Department of Biology, Boston, MA**  
Investigation of the early development of the immune system in zebrafish

### **Certifications/Licensure**

2011 – present **American Board of Allergy and Immunology, #5933**  
2009 – present **North Carolina Medical Board Full License, #2008-00846**  
2010 – 2015 **American Board of Pediatrics, #97828**

### **Honors and Awards**

09/2022 Selected for the **AAAAI Leadership Forum**  
11/2020 Elected to the **Society for Pediatric Research**  
01/2019 Accepted to the inaugural **Making the Case** leadership development program  
08/2018 Elected as Fellow of **American College of Allergy, Asthma, and Immunology (ACAAI)**  
09/2017 Selected for **Leadership Advanced** leadership development program  
07/2017 Elected as Fellow of **American Academy of Allergy, Asthma, and Immunology (AAAAI)**  
04/2017 Selected for **Being a Better Faculty Research Mentor (BBFRM)** training program  
03/2017 Selected for the **AAAAI Leadership Institute Course and Mentorship Programs**  
2017 – 2023 Selected as **North Carolina's Top Doctors, Business North Carolina magazine**  
09/2015 Accepted to the **Academic Career Leadership Academy in Medicine (ACCLAIM)** leadership training program  
09/2015 Accepted to the **Passing the Torch: Fostering Medical Humanism through Faculty Role-Models** program  
05/2014 Elected to the **UNC Academy of Educators**  
10/2013 Honorary medical chair: Triangle FARE Walk for Food Allergy  
09/2013 Accepted to the **UNC Teaching Scholars Program**  
06/2007 Intensive Care Nursery Outstanding Junior Resident Award, Duke Medical Center  
06/2006 Exceptional Dedication to Medical Student Training Award, Duke Medical Center

### **Bibliography and Products of Scholarship**

#### **Books/Chapters**

AP Stallings, **EH Kim**. Sublingual Immunotherapy for Food Allergy. *Reference Module in Food Science*.

SH Sicherer (editor). 2023; 1-8. doi.org/10.1016/B978-0-323-96018-2.00073-0

DP Mack, **EH Kim**, M Woch, A Schiabe. Chapter 11: Treatment of Food Allergies. *Health Professional's Guide to Nutrition Management of Food Allergies*. C Venter, M Groetch, J James, SH Sicherer (editors). 2023; 244-75.

L Yang, **EH Kim**. Chapter 19: Emerging Food Allergy Therapies. *Pediatric Food Allergy: A Clinical Guide*. R. Gupta (editor). 2020; 261-70. doi: 10.1007/978-3-030-33292-1\_19

**EH Kim**, AW Burks. Chapter 18: Food Allergies. *Patterson's Allergic Diseases 8th edition*. L. Grammer & P Greenberger (editors). 2018; 401-21.

**EH Kim**, AW Burks. Chapter 8 – 17: Immunological basis of Food Allergy (IgE-mediated, Non-IgE-mediated, and tolerance. *Chem Immunol Allergy – Food Allergy: Molecular Basis and Clinical Practice*. M Ebisawa, BK Ballmer-Weber, S Vieths, RA Wood (editors). 2015; doi: 10.1159/000371646

**EH Kim**. Diagnostic Food Challenges. *Encyclopedia of Medical Immunology*. IR Mackay, NR Rose, DK Ledford, RF Lockey (editors). 2014; 226-30. doi: 10.1007/978-1-4614-9194-1\_219

### **Refereed Papers/Articles**

RA Wood, A Togias, SH Sicherer, WG Shreffler, **EH Kim**, SM Jones, DYM Leung, BP Vickery, JA Bird, JM Spergel, A Iqbal, J Olsson, M Ligueros-Saylan, A Uddin, A Calatroni, CM Huckabee, NH Rogers, N Yovetich, J Dantzer, K Mudd, J Wang, M Groetch, D Pyle, CA Keet, MD Kulis, SB Sindher, A Long, AM Scurlock, BJ Lanser, T Lee, C Parrish, T Brown-Whitehorn, AK Rudman-Spergel, M Veri, SD Hamrah, E Brittain, J Poyser, LM Wheatley, RS Chinthrajah. Omalizumab for the Treatment of Multiple Food Allergy (OUTMATCH). *N Eng J Med*. 2024; doi: 10.1056/NEJMoa2312382

IH Yuan, M Greenhawt, EM Abrams, **EH Kim**, SS Mustafa, EGA Iglesia. Food Allergies on a College Campus. *Ann Allergy Asthma Immunol*. 2024; doi: 10.1016/j.anai.2024.01.023

YH Jeon, **EH Kim**. Recent Advances in Food Allergen Immunotherapy. *Clin Exp Pediatr*. 2023; doi: 10.3345/cep.2023.01004

JA Dantzer, **EH Kim**. New Approaches to Food Allergy Immunotherapy. *J Allergy Clin Immunol Pract*. 2023; doi: 10.1016/j.jaip.2023.10.018

S Leeds, **EH Kim**. Considerations for the Initiation and Implementation of Early Peanut OIT. *J Allergy Clin Immunol Pract*. 2023; doi: 10.1016/j.jaip.2023.06.069

**EH Kim**, JA Bird, CA Keet, YV Virkud, L Herlihy, P Ye, JM Smeekens, R Guo, X Yue, A Penumarti, B Qaqish, Q Li, MD Kulis, AW Burks. Desensitization and Remission after Peanut Sublingual Immunotherapy in 1-4 year old Peanut-Allergic Children: a Randomized, Placebo-Controlled Trial. *J Allergy Clin Immunol*. 2023; doi: 10.1016/j.jaci.2023.08.032

N Canon, CH Schein, W Braun, SS Negi, MD Kulis, **EH Kim**, V Pathy, X Chen, SC Dreskin. Alanine scanning of the unstructured region of Ara h 2 and of a related mimotope reveals critical amino acids for IgE

binding. *Clin Exp Allergy*. 2023; doi: 10.1002/mnfr.202300134.R1

CA Keet, SH Sicherer, S Bunyavanich, C Visness, PC Fulkerson, A Togias, W Davidson, S Perry, S Hamrah, A Calatroni, K Robinson, L Dunaway, CM Davis, S Anvari, SM Leong-Kee, GK Hershey, E DeFranco, A Devonshire, H Kim, C Joseph, B Davidson, NK Strong, AJ Tsuang, M Groetch, J Wang, J Dantzer, K Mudd, A Alna, W Shreffler, Q Yuan, V Simmons, DYM Leung, J Hui-Beckman, JA Ramos, RS Chinthrajah, V Winn, S Sindher, SM Jones, NA Manning, AM Scurlock, **EH Kim**, A Stuebe, JE Gern, AM Singh, J Krupp, RA Wood. The SunBEAm birth cohort: Protocol design. *J Allergy Clin Immunol Global*. 2023; doi: 10.1016/j.jacig.2023.100124

M Greenhawt, SB Sindher, J Wang, M O'Sullivan, G Du Toit, **EH Kim**, D Albright, S Anvari, N Arends, PD Arkwright, P Begin, K Blumchen, T Bourrier, T Brown-Whitehorn, H Cassell, ES Chan, CE Ciaccio, A Deschildre, A Divaret-Chauve, SL Dorris, MJ Dorsey, T Eiwegger, M Erlewyn-Lajeunesse, DM Fleischer, LS Ford, M Garcia-Lloret, L Giovannini-Chami, JO Hourihane, N Jay, SM Jones, L Kerns. KM Kloepper, S Leonard, G Lezmi, JA Lieberman, J Lomas, M Makhija, C Parrish, J Peake, KP Perrett, D Petroni, W Pflutzner JA Pongracic, P Quinn, RG Robison, G Sanders, L Schneider, HP Sharma, J Trujillo, PJ Turner, K Tuttle, JEM Upton, P Varshney, BP Vickery, C Vogelberg, B Wainstein, RA Wood, KJ Bee, DE Campbell, TD Green, R Rouissi, A Peillon, HT Bahnson, T Bois, HA Sampson, AW Burks. Phase 3 Trial of Epicutaneous Immunotherapy in Toddlers with Peanut Allergy. *N Eng J Med*. 2023; doi: 10.1056/NEJMoa2212895

**EH Kim**, CA Keet, YV Virkud, S Chin, P Ye, A Penumarti, J Smeekens, R Guo, X Yue, Q Li, MR Kosorok, MD Kulis, AW Burks. Open-label study of the efficacy, safety, and durability of peanut sublingual immunotherapy in peanut-allergic children. *J Allergy Clin Immunol*. 2023; doi: 10.1016/j.jaci.2023.01.036

J Macdougall, **EH Kim**. A Clinical Focus on Oral Tolerance in the Development, Prevention, and Management of Food Allergy. *Cell Immunol*. 2023; doi: 10.1016/j.cellimm.2023.104693

ACY Foo, JB Nesbit, SAY Gipson, EF DeRose, H Cheng, BK Hurlburt, MD Kulis, **EH Kim**, S Dreskin, S Mustafa, SJ Maleki, GA Mueller. Structure and IgE Cross-Reactivity among Cashew, Pistachio, Walnut, and Peanut Vicilin-Buried Peptides. *J Agric Food Chem*. 2023; doi: 10.1021/acs.jafc.2c07061

M Groetch, K Mudd, M Woch, A Schiable, BE Gray, S Jones, **EH Kim**, BJ Lanser, J Poyser, N Rogers, DC Babineau, A Rudman-Spergel, W Shreffler, S Sicherer, J Spergel, BP Vickery, RA Wood, JA Bird, RS Chinthrajah. Retail food equivalents for post-OIT dosing in the OUtMATCH clinical trial. *J Allergy Clin Immunol Pract*. 2022; doi: 10.1016/j.jaip.2022.10.022

EG Liu, B Zhang, V Martin, J Anthonypillai, M Kraft, A Grishin, G Grishina, RS Chinthrajah, T Sindher, M Manohar, Z Quake, K Nadeau, AW Burks, **EH Kim**, MD Kulis, AK Henning, SM Jones, DYM Leung, SH Sicherer, Q Yuan, W Shreffler, HA Sampson, V Chabanova, SC Eisenbarth. Food-specific Immunoglobulin A Does Not Correlate with Natural Tolerance to Peanut or Egg Allergens. *Sci Transl Med*. 2022; doi: 10.1126/scitranslmed.abq0599

EC Steinbach, JM Smeekens, S Roy, T Toyonaga, C Cornaby, L Perini, A Berglind, MD Kulis, **EH Kim**, MT Ferris, TS Furey, AW Burks, SZ Sheikh. Intestinal epithelial cell barrier dysfunction and elevated

Angiotensin-like 4 identified in orally-susceptible peanut allergy model. *Clin Exp Allergy*. 2022; doi: 10.1111/cea.14248

JA Dantzer, **EH Kim**, RS Chinthrajah, RA Wood. Treatment for Food Allergy: Current Status and Unmet Needs. *J Allergy Clin Immunol*. 2022; doi: 10.1016/j.jaci.2022.08.008

J Smeekens, C Baloh, N Lim, D Larson, T Qin, L Wheatley, **EH Kim**, SM Jones, AW Burks, MD Kulis. Peanut-Specific IgG4 and IgA in Saliva are Modulated by Peanut OIT. *J Allergy Clin Immunol Pract*. 2022; doi: 10.1016/j.jaip.2022.07.030

P Purswani, **EH Kim**. Food allergy: History, definitions, and treatment approaches. *J Food Allergy*. 2022; doi: 10.2500/jfa.2022.4.220007

RA Wood, RS Chinthrajah, AK Rudman-Spergel, DC Babineau, SH Sicherer, **EH Kim**, WG Shreffler, SM Jones, DYM Leung, BP Vickery, JA Bird, JM Spergel, MD Kulis, A Iqbal, D Kaufman, DT Umetsu, M Ligueros-Saylan, A Uddin, RB Fogel, S Lussier, K Mudd, J Poyser, M MacPhee, M Veri, W Davidson, S Hamrah, A Long, A Togias. Protocol Design and Synopsis: Omalizumab as Monotherapy and as Adjunct Therapy to Multi-Allergen OIT in Food Allergic Children and Adults (OUtMATCH). *J Allergy Clin Immunol Global*. 2022; doi: 10.1016/j.jacig.2022.05.006

MD Kulis, JM Smeekens, C Burk, X Yue, R Guo, KA Orgel, P Ye, L Herlihy, D Hamilton, Q Li, W Shreffler, BP Vickery, AW Burks, **EH Kim**. Kinetics of basophil hyporesponsiveness during short-course peanut OIT. *J Allergy Clin Immunol*. 2022; doi: 10.1016/j.jaci.2022.05.020

AW Winslow, A Gilmore, **EH Kim**. Peanut anaphylaxis in 2022 - Decoupling epinephrine usage from emergency department evaluation. *Annals Allergy Clin Immunol*. 2022; doi: 10.1016/j.anai.2022.06.007

RS Chinthrajah, SM Jones, **EH Kim**, SH Sicherer, W Shreffler, BJ Lanser, N Atri, DC Babineau, DC Adelman, A Iqbal, SL Limb, AKR Spergel, A Togias, RA Wood. Updating the CoFAR Grading Scale for Systemic Allergic Reactions in Food Allergy. *J Allergy Clin Immunol*. 2022; doi: 10.1016/j.jaci.2021.12.789

SM Jones, **EH Kim**, KC Nadeau, A Nowak-Wegrzyn, RA Wood, HA Sampson, AM Scurlock, S Chinthrajah, J Wang, RD Pesek, SB Sindher, M Kulis, J Johnson, K Spain, DC Babineau, H Chin, J Laurienzo-Panza, R Yan, D Larson, T Qin, E Wambre, J Calise, D Whitehouse, ML Sever, S Sanda, M Plaut, LM Wheatley, AW Burks. Efficacy and Safety of Oral Immunotherapy in a Randomized, Placebo-Controlled Study of 1-3-Year Old Children with Peanut Allergy: Findings from the Immune Tolerance Network IMPACT Trial. *Lancet*. 2022; doi: 10.1016/S0140-6736(21)02390-4

N Liao, R Scherzer, **EH Kim**. Effective Methods of Clinical Education. *Annals Allergy Clin Immunol*. 2022; doi: 10.1016/j.anai.2021.11.021

MC Berin, C Agashe, AW Burks, D Chiang, WF Davidson, P Dawson, A Grishin, AK Henning, SM Jones, **EH Kim**, DYM Leung, M Masilamani, AM Scurlock, SH Sicherer, RA Wood, HA Sampson. Allergen-specific T cells and clinical features of food allergy: Lessons from CoFAR immunotherapy cohorts. *J Allergy Clin Immunol*. 2022; doi: 10.1016/j.jaci.2021.09.029

JA Pongracic, R Gagnon, G Sussman, D Siri, RC Oriel, T Brown-Whitehorn, TD Green, DE Campbell, S Anvari, WE Berger, JA Bird, ES Chan, A Cheema, S Chinthrajah, H Chong, PJ Dowling, SM Fineman, DM Fleischer, E Gonzalez-Reyes, **EH Kim**, BJ Lanser, A MacGinnitie, H Mehta, D Petroni, N Rupp, LC Schneider, AM Scurlock, LD Sher, WG Shreffler, SB Sindher, A Stillerman, RA Wood, WH Yang, T Bois, HA Sampson, P Begin. Safety of Epicutaneous Immunotherapy in Peanut-Allergic Children: REALISE Randomized Clinical Trial Results. *J Allergy Clin Immunol Pract.* 2022; doi: 10.1016/j.jaip.2021.11.017

A Hung, JM Gonzalez, J Yang, S Hass, **EH Kim**, FR Johnson. Heterogeneity in Parent Preferences for Peanut Desensitization Therapy. *J Allergy Clin Immunol Pract.* 2021; doi: 10.1016/j.jaip.2021.04.058

EGA Iglesia, **EH Kim**. Shorter "time to peanut introduction" can prevent peanut allergy and avert false Ara h 2 screening results in infants. *J Allergy Clin Immunol.* 2021; doi: 10.1016/j.jaci.2021.03.039

HG Smith, **EH Kim**. Increasing diversity in peanut oral immunotherapy research and accessibility. *J Allergy Clin Immunol Pract.* 2021; doi: 10.1016/j.jaip.2021.02.010

BP Vickery, A Vereda, C Nilsson, G Du Toit, WG Shreffler, AW Burks, SM Jones, M Fernandez-Rivas, K Blumchen, JOB Hourihane, K Beyer, A Anagnostou, AH Assa'ad, M Ben-Shoshan, JA Bird, TF Carr, WW Carr, TB Casale, HJ Chong, CE Ciaccio, MJ Dorsey, SM Fineman, SB Fritz, AN Greiner, LS Greos, FC Hampel, MD Ibanez, DK Jeong, DT Johnston, R Kachru, **EH Kim**, BJ Lanser, SA Leonard, MC Maier, LE Mansfield, A Muraro, JA Ohayon, JNGO Elberink, DH Petroni, JA Pongracic, JM Portnoy, R Rachid, NT Rupp, GM Sanders, HP Sharma, V Sharma, ER Sher, L Sher, SB Sindher, D Siri, JM Spergel, AB Sprickelman, GL Sussman, M Tsoumani, P Varshney, G Vitalpur, J Wang, WH Yang, JM Zubeldia, A Smith, R Ryan, DC Adelman. Continuous and Daily Oral Immunotherapy for Peanut Allergy: Results from a 2-Year Open-Label Follow-On Study. *J Allergy Clin Immunol Pract.* 2021; doi: 10.1016/j.jaip.2020.12.029

J Macdougall, AW Burks, **EH Kim**. Current Insights into Immunotherapy Approaches for Food Allergy. *Immunotargets Ther.* 2021; doi: 10.2147/ITT.S266257

SM Barshow, MD Kulis, AW Burks, **EH Kim**. Mechanisms of Oral Immunotherapy. *Clin Exp Allergy.* 2021; doi: 10.1111/cea.13824

A Penumarti, N Szczepanski, J Kesselring, E Gabel, R Sheth, J Berglund, **EH Kim**, AW Burks, MD Kulis. Irradiated Tree Nut Flours for Use in Oral Immunotherapy. *J Allergy Clin Immunol Pract.* 2021; doi: 10.1016/j.jaip.2020.11.008

L Herlihy, **EH Kim**, AW Burks, H Barber, Q Cook, L Yang, DK Hamilton, BP Vickery. Five-year Follow-up of Early Intervention Peanut Oral Immunotherapy. *J Allergy Clin Immunol Pract.* 2021; doi: 10.1016/j.jaip.2020.07.009

AM Scurlock, AW Burks, SH Sicherer, DYM Leung, **EH Kim**, AK Henning, P Dawson, RW Lindblad, MC Berin, CB Cho, WF Davidson, M Plaut, HA Sampson, RA Wood, SM Jones. Epicutaneous Immunotherapy for Treatment of Peanut Allergy: Follow-up from the Consortium for Food Allergy Research. *J Allergy Clin Immunol.* 2021; doi: 10.1016/j.jaci.2020.11.027

**EH Kim**, TT Perry, RA Wood, DYM Leung, MC Berin, AW Burks, CB Cho, SM Jones, A Scurlock, SH Sicherer, AK Henning, P Dawson, RW Lindblad, M Plaut, HA Sampson. Induction of Sustained Unresponsiveness After Egg Oral Immunotherapy Compared to Baked Egg Therapy in Egg-allergic Children. *J Allergy Clin Immunol*. 2020; doi: 10.1016/j.jaci.2020.05.040

SA Schworer, **EH Kim**. Sublingual Immunotherapy for Food Allergy and its Future Directions. *Immunotherapy*. 2020; doi: 10.2217/imt-2020-0123

Q Cook, L Yang, A Hamad, H Barber, L Herlihy, AW Burks, **EH Kim**. Dosing, Safety, and Quality of Life After Peanut Immunotherapy Trials – a Long-term Follow Up Study. *J Allergy Clin Immunol Pract*. 2020; doi: 10.1016/j.jaip.2020.04.021

DM Fleischer, WG Shreffler, DE Campbell, TD Green, S Anvari, A Assa'ad, P Bégin, K Beyer, JA Bird, T Brown-Whitehorn, A Byrne, ES Chan, A Cheema, S Chinthrajah, H Chong, CM Davis, LS Ford, R Gagnon, M Greenhawt, JO Hourihane, SM Jones, **EH Kim**, L Lange, BJ Lanser, S Leonard, V Mahler, A Maronna, A Nowak-Wegrzyn, RC Oriol, M O'Sullivan, D Petroni, JA Pongracic, SL Prescott, LC Schneider, P Smith, D Staab, G Sussman, R Wood, WH Yang, R Lambert, A Peillon, T Bois, HA Sampson. Long-Term, Open-Label Extension Study of the Efficacy and Safety of Epicutaneous Immunotherapy for Peanut Allergy in Children: PEOPLE 3-Year Results. *J Allergy Clin Immunol*. 2020; doi: 10.1016/j.jaci.2020.06.028

DM Fleischer, JM Spergel, **EH Kim**, DE Campbell, TD Green, KJ Bee, R Lambert, T Ocheltree, HA. Sampson. Evaluation of Daily Patch Application Duration for Epicutaneous Immunotherapy for Peanut Allergy. *Allergy Asthma Proc*. 2020; doi: 10.2500/aap.2020.41.200045

M Greenhawt, **EH Kim**, DE Campbell, TD Green, R Lambert, DM Fleischer. Improvements in Eliciting Dose Across Baseline Sensitivities Following 12 Months of Epicutaneous Immunotherapy (EPIT) in Peanut-Allergic Children Aged 4 to 11 Years. *J Allergy Clin Immunol Pract*, 2020; doi: 10.1016/j.anai.2020.01.030

M Greenhawt, M Shaker, T Winders, D Buckstein, R Davis, DM Fleischer, **EH Kim**, E Chan, D Stukus, D Matlock. Development and Acceptability of a Shared Decision-Making Tool for Commercial Peanut Allergy Therapies. *Ann Allergy Clin Immunol*. 2020; doi: 10.1016/j.anai.2020.01.030

EGA Iglesia, **EH Kim**. Low-risk infants may still benefit from allergenic food consumption. *J Allergy Clin Immunol*. 2020; doi: 10.1016/j.jaci.2020.01.016.

**EH Kim**, AW Burks. Food Allergy Immunotherapy: OIT and EPIT. *Allergy*. 2020; doi: 10.1111/all.14220

**EH Kim**, C Patel, AW Burks. Immunotherapy Approaches for Peanut Allergy. *Expert Review of Clinical Immunology*. 2020; doi: 10.1080/1744666X.2019.1708192

**EH Kim**, SM Jones, AW Burks, RA Wood, SH Sicherer, DYM Leung, AK Henning, RW Lindblad, P Dawson, C Keet, AM Scurlock, M Plaut, HA Sampson. A 5-year Summary of Real-life Dietary Egg Consumption after Completion of a 4-year Egg OIT Protocol. *J Allergy Clin Immunol*. 2020; doi: 10.1016/j.jaci.2019.11.045

PWW Gamage, M Chaudhari, CS McMahan, **EH Kim**, MR Kosorok. An extended proportional hazards model for interval-censored data subject to instantaneous failures. *Lifetime Data Anal.* 2020; doi: 10.1007/s10985-019-09467-z

OL Francis, KY Wang, **EH Kim**, TP Moran. Common Food Allergens and Cross-Reactivity. *J Food Allergy.* 2020; doi: 10.2500/jfa.2020.2.200020

**EH Kim**, L Yang, P Ye, R Guo, Q Li, MD Kulis, AW Burks. Long-Term Sublingual Immunotherapy for Peanut Allergy in Children: Clinical and Immunologic Evidence of Desensitization. *J Allergy Clin Immunol.* 2019; doi: 10.1016/j.jaci.2019.07.030.

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### **Refereed Published Abstracts**

J Fisher, M Erol, **EH Kim**. Allergists' Perspectives on Current Food Allergy Therapeutic Options: A Qualitative Study. *J Allergy Clin Immunol*. 2024; 153(2) Supp: (poster)

M Ravindran, JA Bird, CA Keet, YV Virkud, L Herlihy, MD Kulis, AW Burks, **EH Kim**. Effect of Pre-existing Atopic Disease on Pediatric Peanut Sublingual Immunotherapy (SLIT) Outcomes. *J Allergy Clin Immunol*. 2024; 153(2) Supp: (poster)

J Dantzer, YV Virkud, A Cox, S Jones, S Sindher, K Mudd, N Anania, **EH Kim**, D Hamilton, H Sampson, J Ayash, K de la Cruz, A Scurlock, S Nawaz, L Kost, RS Chinthrajah, RA Wood. Long-Term Follow-up after IMPACT Peanut Oral Immunotherapy Clinical Trial. *J Allergy Clin Immunol*. 2024; 153(2) Supp: (oral abstract)

RA Wood, A Togias, SH Sicherer, WG Shreffler, **EH Kim**, SM Jones, DYM Leung, BP Vickery, JA Bird, JM Spergel, A Iqbal, J Olsson, M Ligueros-Saylan, A Uddin, A Calatroni, CM Huckabee, NH Rogers, N Yovetich, J Dantzer, K Mudd, J Wang, M Groetch, D Pyle, CA Keet, MD Kulis, SB Sindher, A Long, AM Scurlock, BJ Lanser, T Lee, C Parrish, T Brown-Whitehorn, AK Rudman-Spergel, M Veri, SD Hamrah, E Brittain, J Poyser, LM Wheatley, RS Chinthrajah. Omalizumab for the Treatment of Multiple Food Allergy (OUtMATCH). *J Allergy Clin Immunol*. 2024; 153(2) Supp: (late breaking abstract)

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SM Jones, BP Vickery, JA Bird, JM Spergel, RA Rachid, AH Assa'ad, J Wang, SA Leonard, SS Laubach, **EH Kim**, BP Davis, M Welch, J Heimall, A Cianferoni, AJ MacGinnitie, E Crestani, A Radwan, A Vereda, DC Adelman, AW Burks. At-home Dosing Adherence During Characterized Oral Desensitization Immunotherapy (CODIT) for Peanut Allergy. *J Allergy Clin Immunol.* 2017; 139(2) Supp: AB256. (poster)

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**EH Kim**, MD Kulis, BP Vickery, AW Burks. Induction of Regulatory T-cells After Peanut Sublingual Immunotherapy. *J Allergy Clin Immunol.* 2012; 129(2) Supp: AB27. (poster)

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**EH Kim**, JA Bird, PH Steele, J Kamilaris, AH Edie, BP Vickery, AW Burks. Safety of Peanut Sublingual Immunotherapy (SLIT) in Children with Peanut Allergy. *J Allergy Clin Immunol.* 2010; 125(2) Supp: AB20. (poster)

#### ***Refereed Other Products of Scholarship***

**EH Kim**, A Archer, M Wang, A Sullivan, N Rabbee, A Dombkowski, D McClintock. ADP101 Simultaneous Multifood Oral Immunotherapy (mOIT) Demonstrates Clinically Meaningful Safety and Efficacy With Dose-Dependent Response in Pediatric Patients in the Phase 1/2 Harmony Trial. 2023 EAACI Hybrid Congress, Hamburg, Germany. 06/2023 (oral abstract)

C Nilsson, M Krawiec, K Blumchen, **EH Kim**, A Deschildre, V Sharma, AH Assa'ad, JE Trujillo, K Brown, SA Leonard, A Vereda, A Abbas, T Pham, A Muraro, SA Tilles, MD Ibáñez. Immunological Outcomes of Daily Oral Immunotherapy for Peanut Allergy in Children and Adolescents: Longitudinal Analyses Up to 6 Years. 2022 SIAAIC National Hybrid Congress, Verona, Italy. 10/2022 (poster)

C Nilsson, M Krawiec, K Blumchen, **EH Kim**, A Deschildre, V Sharma, AH Assa'ad, JE Trujillo, K Brown, SA Leonard, A Vereda, A Abbas, T Pham, A Muraro, SA Tilles, MD Ibáñez. Immunological Outcomes of Daily Oral Immunotherapy for Peanut Allergy in Children and Adolescents: Longitudinal Analyses Up to 6 Years. 2022 DAK German Allergy Congress, Dusseldorf, Germany. 09/2022 (poster)

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A Deschildre, ER Sher, J Hourihane, WW Carr, K Beyer, NM Griffin, A Vereda, D Norval, G Du Toit, DC Adelman, **EH Kim**. Safety and Efficacy Comparison: Artemis and Palisade Phase 3 Studies of AR101 in Peanut Allergy. CICBAA 2020 Symposium, Brussels, Belgium. 01/2020 (poster)

**EH Kim**, MD Kulis, P Ye, X Yue, R Guo, Q Li, AW Burks. Persistence of Immune Modulation After Extended Discontinuation of Peanut Sublingual Immunotherapy in Peanut-allergic Children. 2020 Food Allergy Gordon Research Conference, Ventura, CA. 01/2020 (poster)

**EH Kim**, L Yang, P Ye, R Guo, Q Li, MD Kulis, AW Burks. Long-Term Sublingual Immunotherapy for Peanut Allergy in Children: Clinical and Immunologic Evidence of Desensitization. 2019 Thurston Arthritis Research Center Research Day, Chapel Hill, NC. 10/2019 (oral abstract)

**EH Kim**, M Kulis, A Hamad, D Hamilton, M Chaudhari, MR Kosorok, AW Burks. Decay of the Desensitization Effect with Avoidance After Long-term Peanut Sublingual Immunotherapy (SLIT). 2018 Food Allergy Gordon Research Conference, Ventura, CA. 01/2018 (poster)

M Chaudhari, **EH Kim**, PW Withana Gamage, CS McMahan, MH Kosorok. Study Design and Methods for Studying Sustained Unresponsiveness (SU) to Peanut Sublingual Immunotherapy (SLIT). 2017 Eastern North American Region Spring Meeting, Washington, DC. 03/2017. (poster)

**EH Kim**. Poor Satisfaction and Perceived Utility of the Existing eValue Fellow Evaluation System in Allergy and Immunology. UNC Teaching Scholars Symposium, Chapel Hill, NC. 08/2014. (poster)

**EH Kim**, JA Bird, MD Kulis, S Laubach, L Pons, WG Shreffler, PH Steele, J Kamilaris, BP Vickery, AW Burks. Sublingual Immunotherapy for Peanut Allergy: Clinical and Immunologic Evidence of Desensitization. Duke Medicine Research Career Day, Durham, NC. 05/2011. (poster)

**EH Kim**. Double-Blind Placebo-Controlled Study of Sublingual Immunotherapy in Peanut Allergic Children. Duke Pediatrics Fellows' Research Conference, Durham, NC. 09/2010. (oral abstract)



**EH Kim, S Chin, SR Boden.** The Natural History of Asthma is Changed by Inhaled Corticosteroids (pro-con debate). 15th Susan C. Dee's Symposium on Allergy and Immunology. Duke University, Durham, NC. 10/2009. (oral abstract)

***Invited Products of Scholarship***

OL Francis, **EH Kim.** Peanut Immunotherapy: Practical Applications. *Curr Treat Options Allergy.* 2021; doi: 10.1007/s40521-021-00292-0

J Waldron, **EH Kim.** Sublingual and Patch Immunotherapy for Food Allergy. *Immunol Allergy Clin N Am.* 2020; doi: 10.1016/j.iac.2019.09.008.a

CP Parrish, **EH Kim, JA Bird.** Interventional Therapies for the Treatment of Food Allergy. *Immunol Allergy Clin N Am.* 2018; doi: 10.1016/j.iac.2017.09.006

S Commins, **EH Kim, K Orgel, M Kulis.** Peanut Allergy: New Developments and Clinical Implications. *Curr Allergy Asthma Rep.* 2016; doi: 10.1007/s11882-016-0613-x

**EH Kim, AW Burks.** Oral and Sublingual Immunotherapy. *Curr Treat Options Allergy.* 2014; doi: 10.1007/s40521-013-0004-7

**EH Kim, AW Burks.** Managing Food Allergy in Childhood. *Curr Opin Pediatr.* 2012; doi: 10.1097/MOP.0b013e32835741e3

MH Land, **EH Kim, AW Burks.** Oral desensitization for food hypersensitivity. *Immunol Allergy Clin North Am.* 2011; doi: 10.1016/j.iac.2011.02.008

R Firszt, **EH Kim, L McWilliams, E Wu, SR Boden, S Chin.** The Role of Pharmacogenomics in Improving the Management of Asthma – CME exam. *J Allergy Clin Immunol.* 2010; doi: 10.1016/j.jaci.2009.12.014

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- 07/20/2018 The News & Observer: "Hope for peanut allergies? Pills, patches, drops and even nuts themselves are being studied",  
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- 05/04/2018 Spring 2018 UNC Children's Board of Visitors Meeting: "UNC Food Allergy Initiative"
- 05/14/2018 Infectious Diseases in Children: "Immunotherapy options: A future for children with food allergy", <https://www.healio.com/news/pediatrics/20180507/immunotherapy-options-a-future-for-children-with-food-allergy>
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- 03/04/2018 Medscape Allergy and Clinical Immunology: "First Response" CME video media activity – "Advances in Peanut Allergy: Views and Perspectives from Orlando 2018"
- 08/29/2017 UNC Dept. of Medicine Chair's Corner podcast: "Food Allergy & Sensitivity",  
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- 08/23/2017 ABC11: "Tips for parents of kids with food allergies", <http://abc11.com/food/tips-for-parents-of-kids-with-food-allergies-/2334795>
- 04/20/2017 UNC REX Health Talk on Facebook Live: "Food Allergies 101",  
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- 01/17/2017 UNC Hospitals Monthly Department Heads Meeting: "UNC Food Allergy Initiative"
- 01/05/2017 WRAL: "New advice: peanuts in baby's diet can prevent scary allergy",  
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- 08/11/2016 WITN: "UNC researchers believe they've discovered peanut allergy treatment",  
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- 07/28/2016 The New Reddit Journal of Science: "Food Allergies – AMA"; 9.28 million total reach, 12123 users clicked, 6208 upvotes.
- 04/30/2013 WRAL: "Law would expand EpiPen access in schools"
- 03/06/2013 NBC-17 "My Carolina Today" TV interview: "Seasonal allergies"
- 09/25/2012 Newsradio 680 WPTF: "Fall allergies", live radio interview
- 06/2012 Health and Healing in the Triangle magazine: "Relieving allergies, immunology issues"
- 05/07/2012 North Carolina Food Allergy Children Excelling Safely (NC FACES) patient advocacy group lecture: "Update on food allergy treatment research"
- 04/25/2012 April Heels-in-motion mall-walking program lecture: "Hay fever"
- 04/16/2012 WRAL-5 "Rex on call" TV broadcast: "Allergies"

## **Teaching Activities**

### ***Teaching roles with Trainees/Students***

UNC Allergy and Immunology Fellowship: Program director, continuity clinic preceptor, 2015 – present  
 UNC Internal Medicine residency elective – Allergy and Immunology: Faculty supervisor, 2015 – 2020  
 UNC Pediatric residency elective – Allergy and Immunology: Faculty supervisor, 2014 – 2020  
 MS4 course MEDI523/PEDS440 – Allergy and Immunology (med/peds) elective; advanced clinical selective: Course director, 2014 – 2020

MS3 course Community Based Longitudinal Care (CBLC) – allergy subspecialty experience: Subspecialty supervisor, 2012 – 2021

MS2 Transition course: Small group preceptor, 2015 – 2018

MS1 MTEC 101 Immunology Block, “Hypersensitivity”: Lecturer, 2014 – 2022

MS1 Patient Centered Care course: Small group tutor, 2014 – 2017

UNC AED premedical society shadowing program: Subspecialty supervisor

***Fellowship Didactics – Journal club preceptor:***

09/27/2023 Anaphylaxis: Predictors of Multiple Epinephrine and Biphasic Reactions  
09/20/2023 Remission after Food Immunotherapy  
09/14/2022 Sublingual Immunotherapy for Food Allergy  
10/20/2021 Diagnostic approach to food allergy  
06/02/2021 Contact dermatitis  
07/30/2020 Sustained unresponsiveness with peanut OIT: The POISED study  
10/30/2019 Update on extensively heated egg and egg allergy  
03/13/2019 Update on chronic spontaneous urticaria  
12/12/2018 Component resolved diagnostics in food allergy  
09/26/2018 Update on food immunotherapy  
05/02/2018 Hypereosinophilic syndrome  
01/18/2018 Xolair in the treatment of food allergy  
12/06/2017 Clinical research designs  
10/11/2017 Mechanisms of omalizumab in the treatment of CIU  
02/15/2017 Alternative forms of immunotherapy  
10/05/2016 Food sublingual immunotherapy  
09/07/2016 Venom immunotherapy  
05/04/2016 Baked egg oral immunotherapy  
01/20/2016 Life after Xolair  
10/07/2015 Learning Early About Peanut Allergy (LEAP)  
09/16/2015 Sublingual Immunotherapy  
03/25/2015 Fire ant anaphylaxis  
12/03/2014 Chronic granulomatous disease  
09/17/2014 Aspirin exacerbated respiratory disease (AERD)  
06/27/2014 Specific antibody deficiency  
04/11/2014 Intradermal allergy testing  
01/10/2014 DiGeorge syndrome  
08/16/2013 Baked egg oral immunotherapy  
02/13/2013 Sublingual immunotherapy for allergic diseases  
11/28/2012 Aspirin exacerbated respiratory disease (AERD)  
09/26/2012 Hyper IgE syndrome  
08/22/2012 Review of NIAID-sponsored expert panel food allergy guidelines  
07/25/2012 Omalizumab in allergic diseases  
06/13/2012 Common variable immunodeficiency (CVID)  
05/23/2012 Common variable immunodeficiency (CVID)  
02/22/2012 Clinical research designs  
01/25/2012 Chronic idiopathic urticaria (CIU)  
12/21/2011 Chronic idiopathic urticaria (CIU)



11/30/2011 Severe combined Immunodeficiency (SCID)  
10/26/2011 Chronic granulomatous disease

**Grand Rounds – Outside UNC**

03/01/2024 Recent Advances in Sublingual Immunotherapy for Peanut Allergy. Mount Sinai Allergy and Immunology Virtual Grand Rounds. New York, NY.

08/12/2022 Update on Immunotherapy for Food Allergy. NIH/NIAID Friday Grand Rounds. Bethesda, MD.

12/10/2021 Food Immunotherapy in Young Children: Current and Future Options. Johns Hopkins Allergy Grand Rounds. Baltimore, MD.

12/02/2021 Beyond OIT: What are the Options for Peanut Allergy. Rutgers New Jersey Medical School Allergy and Immunology Grand Rounds. Newark, NJ.

01/10/2019 Emerging Therapies for Peanut Allergy. New Jersey Medical School Allergy & Immunology Grand Rounds. Newark, NJ.

10/17/2018 Basics of Food allergy. NC AHEC New Hanover Medical Center Internal Medicine Grand Rounds. Wilmington, NC.

10/15/2015 Food immunotherapy: Where are we now? Achoo! What's New? Pediatric Allergy Update Conference. Children's Hospital of the King's Daughters. Norfolk VA.

12/17/2014 Nut-free, gluten-free, red meat-free living? Making sense of food allergies. NC AHEC New Hanover Medical Center Internal Medicine Grand Rounds. Wilmington, NC.

05/21/2013 Advances in the diagnosis and treatment of chronic urticaria. NC AHEC, Carolinas Medical Center Internal Medicine Grand Rounds. Charlotte, NC.

**Grand Rounds – Within UNC**

11/02/2023 Food Allergy: From Defense to Offense. UNC Department of Pediatrics Grand Rounds.

04/07/2021 Update on the Diagnostic Approach to Food Allergy. UNC Otolaryngology Grand Rounds.

08/27/2020 Oral Immunotherapy: How We Got Here and Where We Go Next. UNC Department of Pediatrics Virtual Grand Rounds.

04/03/2020 Food Immunotherapy. UNC Rheumatology, Allergy and Immunology Virtual Grand Rounds.

03/21/2019 Immunotherapy for the Treatment of Peanut Allergy. UNC Department of Pathology Grand Rounds.

03/20/2019 Immunotherapy for Food Allergy. UNC Otolaryngology Grand Rounds.

- 03/22/2018 Drug Allergies Affecting the Care of Inpatients. UNC Department of Medicine Grand Rounds.
- 08/31/2017 General Pediatrician as Food Allergist? Review of the LEAP study for Peanut Allergy. UNC Department of Pediatrics Grand Rounds.
- 04/15/2016 Learning Early About Peanut Allergy (LEAP). UNC Rheumatology, Allergy and Immunology Grand Rounds.
- 08/31/2012 Chronic urticaria and angioedema. UNC Rheumatology, Allergy and Immunology Grand Rounds.
- 04/29/2011 Evidence of Desensitization in a Study of Sublingual Immunotherapy for Peanut Allergy. UNC Rheumatology, Allergy and Immunology Grand Rounds.

***Other Solicited/Invited Oral Presentations – International***

- 09/28/2023 Update on Sublingual Immunotherapy for Peanut Allergy. Food Allergy Forum, 3<sup>rd</sup> International Conference. Amsterdam, The Netherlands.
- 06/11/2023 Early oral immunotherapy in peanut-allergic children: remission as main outcome. European Academy of Allergy and Clinical Immunology 2023 EAACI Hybrid Congress. Hamburg, Germany. (Plenary)
- 09/22/2022 SLIT for Peanut Allergy. 2022 North American Pediatric Allergy & Asthma Congress. Quebec City, Canada.

***Other Solicited/Invited Oral presentations – National, Regional, State***

- 02/29/2024 IgE-targeted Therapies and the Future Management of Food Allergies. PlatformQ Health Education CME webcast.
- 02/25/2024 The Right Treatment at the Right Time. 2024 American Academy of Allergy, Asthma and Immunology annual meeting. Washington, DC.
- 02/24/2024 Hot Topics Discussions Sessions: Food Allergy. 2024 American Academy of Allergy, Asthma and Immunology annual meeting. Washington, DC.
- 02/23/2024 Navigating a New Era of Food Allergy Management. Physician’s Education Resource CME satellite symposium. Washington, DC.
- 02/13/2024 Update in the Diagnosis and Management of Pediatric Food Allergies. College of Diplomates of the American Board of Pediatric Dentistry Live Webinar.
- 01/29/2024 Taking Action to Better Manage Food Allergies. PlatformQ Health Education Patient Education webcast.

- 01/23/2024 Unpacking Diagnosis in Food Allergy. Feeding Community Health. Mooresville, NC.
- 01/23/2024 Food Allergy Management and Treatment. Feeding Community Health. Mooresville, NC.
- 01/11/2024 Immune Modulation and the Potential for Remission After Peanut Sublingual Immunotherapy. Food Allergy Gordon Research Conference. Ventura, CA.
- 10/22/2023 Food Allergy – An Evolving Landscape. American Academy of Pediatrics 2023 National Conference and Exhibition. Washington, DC.
- 09/30/2023 Food Allergy – Update on Immunotherapy. Minnesota Allergy Society Annual Meeting. St. Paul, MN. (Keynote)
- 07/19/2023 Exploring Emerging Food Allergy Treatments: At the Cutting Edge of Care. Medscape CME & Education.
- 05/21/2023 Updates on Peanut Immunotherapy. North Carolina Allergy, Asthma & Immunology Society 2023 Annual Meeting. Charlotte, NC.
- 04/18/2023 Overview of clinical food allergy. Central Regional Hospital Medical Lecture Series. Butner, NC.
- 04/11/2023 Primary Immune Deficiencies in Adults. Central Regional Hospital Medical Lecture Series. Butner, NC.
- 02/24/2023 Oral Immunotherapy After Reaching Maintenance. 2023 American Academy of Allergy, Asthma and Immunology annual meeting. San Antonio, TX.
- 02/24/2023 Oral Immunotherapy Conundrums. 2023 American Academy of Allergy, Asthma and Immunology annual meeting. San Antonio, TX.
- 02/24/2023 Hot Topics Discussions Sessions: Food Allergy. 2023 American Academy of Allergy, Asthma and Immunology annual meeting. San Antonio, TX.
- 12/14/2022 The Latest from Louisville 2022 – Utilizing Recent Data to Improve Care for Patients with Peanut Allergy. Physician’s Education Resource CME webcast.
- 12/07/2022 Immunotherapy for Food Allergy. Boston Medical Center Allergy/Immunology Fellowship Didactics. Boston, MA.
- 11/14/2022 Will I Ever Use SLIT for My Food Allergic Patients? 2022 American College of Allergy, Asthma and Immunology Annual Scientific Meeting. Louisville, KY.
- 05/18/2022 Where are We in 2022? What Does the Latest Data Tell Us About the Incidence and Prevalence of Paediatric Food Allergy? Nutricia Paediatric Food Allergy Expert Day Meeting.

- 05/17/2022 On the Horizon, Therapies and Treatments (Hopefully) Coming Soon. 2022 FARE Courage at Congress: Advocate for a Cure.
- 05/04/2022 The Future of Food Allergy: Novel Treatment Options on the Horizon. Physician's Education Resource CME webcast.
- 04/20/2022 IMPACT/LEAP. American Academy of Allergy, Asthma and Immunology Allied Health Virtual Journal Club.
- 02/25/2022 Food Allergy – Chrysalis Project Program. 2022 American Academy of Allergy, Asthma and Immunology annual meeting. Phoenix, AZ.
- 12/06/2021 Primary Immune Deficiencies in Adults. Central Regional Hospital Medical Lecture Series. Butner, NC.
- 09/17/2021 Update on Therapies for Food Allergy. 2021 Children's Mercy Kansas City/ACAAI Conferences On-Line Allergy (COLA) conference series.
- 08/24/2021 Update of COVID-19 Vaccine Allergic Reactions. Central Regional Hospital Medical Lecture Series. Butner, NC.
- 07/21/2021 Discussing Sublingual Immunotherapy in Clinical Development: Key Considerations. Next Generation Food Allergy Drug Development Summit.
- 06/11/2021 Mechanisms and Routes of Immunotherapy for Food Allergy. Virtual Symposium on Specific Allergy, eSOSA 2021.
- 05/22/2021 Food Immunotherapy. North Carolina Allergy, Asthma & Immunology Society 2021 Virtual Annual Meeting.
- 02/20/2021 Update on Food Allergy – Chrysalis Project Program. 2021 American Academy of Allergy, Asthma and Immunology Virtual Annual Meeting.
- 02/20/2021 Hot Topic Discussion Session: Food Allergy – Chrysalis Project Program. 2021 American Academy of Allergy, Asthma and Immunology Virtual Annual Meeting.
- 01/12/2021 Review of Allergy Concerns with the COVID-19 Vaccines. Central Regional Hospital Medical Lecture Series. Butner, NC.
- 12/01/2020 Update on Chronic Idiopathic Urticaria. Central Regional Hospital Medical Lecture Series. Butner, NC.
- 11/13/2020 FDA-approved Oral Immunotherapy. 2020 American College of Allergy, Asthma and Immunology Virtual Annual Scientific Meeting.

- 10/02/2020 Update on Food Allergy Research and Treatment. 2020 Children's Mercy Kansas City/ACAAI Conferences On-Line Allergy (COLA) conference series.
- 09/22/2020 Peanut Sublingual Immunotherapy Induction of Clinical Tolerance of Newly Diagnosed Peanut Allergic 12 to 48-Month-Old Children. FARE Contains: Courage® Research Retreat.
- 09/20/2020 Peanut Oral Immunotherapy: Practical Considerations. 2020 Southeastern Allergy, Asthma and Immunology Society 2020 Annual Meeting, Gulf Springs, AL.
- 09/20/2020 Food Allergy Treatment Options. 2020 Southeastern Allergy, Asthma and Immunology Society 2020 Annual Meeting. Gulf Springs, AL.
- 03/13/2020 Peanut OIT from the Research Perspective. 2020 American Academy of Allergy, Asthma and Immunology Annual Meeting. Philadelphia, PA.
- 11/19/2019 Non-IgE mediated Drug Allergies Affecting the Care of Inpatients. Central Regional Hospital Medical Lecture Series. Butner, NC.
- 11/08/2019 Implementing Food Allergy Therapy in Clinical Practice. 2019 American College of Allergy, Asthma and Immunology Annual Meeting. Houston, TX.
- 11/07/2019 Treatment Updates: What are our Present Options? 2019 American College of Allergy, Asthma and Immunology Annual Meeting. Houston, TX.
- 10/30/2019 Overview of Angioedema. Central Regional Hospital Medical Lecture Series. Butner, NC.
- 09/28/2019 Food Allergy Primer. Chapel Hill Pediatrics: Listen, Learn, & Share. Chapel Hill, NC.
- 09/13/2019 Update on Food Allergy Research. 2019 Children's Mercy Kansas City/ACAAI Conferences On-Line Allergy (COLA) conference series.
- 06/25/2019 Overview of Humoral Immune Deficiency in Adults. Central Regional Hospital Medical Lecture Series. Butner, NC.
- 03/20/2019 Immunotherapy for Peanut Allergy: Retraining the Allergic Immune System. Durham Technical Community College Spring 2019 Science Seminar Series. Durham, NC.
- 02/25/2019 SLIT: Efficacy and Patient Selection. 2019 American Academy of Allergy, Asthma and Immunology annual meeting. San Francisco, CA.
- 02/23/2019 Tips and Tricks on Teaching a New Generation of Learner. 2019 American Academy of Allergy, Asthma and Immunology annual meeting. San Francisco, CA.
- 01/08/2019 Emerging Therapies for Peanut Allergy. Central Regional Hospital Medical Lecture Series. Butner, NC.

- 11/27/2018 Drug Allergies Affecting the Care of Inpatients. Central Regional Hospital Medical Lecture Series. Butner, NC.
- 11/18/2018 The Pros and Cons of EPIT for Peanut. 2018 American College of Allergy, Asthma and Immunology annual meeting. Seattle, WA.
- 11/03/2018 Food Allergy 101. FARECon featuring Teen Summit 2018. Arlington, VA.
- 10/26/2018 Update on Food Allergy Research. 2018 Children's Mercy Kansas City/ACAAI Conferences On-Line Allergy (COLA) conference series.
- 09/28/2018 Overview and Update on Immunotherapy for Food Allergy. New Jersey Allergy, Asthma and Immunology Society annual meeting. Oyster Bay, NJ.
- 06/23/2018 Overview and Update on Immunotherapy for Food Allergy. Louisiana Society of Allergy, Asthma & Immunology annual meeting. New Orleans, LA.
- 03/02/2018 Food Allergy – Chrysalis Project Program. 2018 American Academy of Allergy, Asthma and Immunology annual meeting. Orlando, FL.
- 01/23/2018 Review of Food Allergy and Future Therapies. Central Regional Hospital Medical Lecture Series. Butner, NC.
- 10/17/2017 Overview of Chronic Idiopathic Urticaria. Central Regional Hospital Medical Lecture Series. Butner, NC.
- 10/01/2017 Overview and Update on Immunotherapy for Food Allergy. Illinois Society of Allergy, Asthma and Immunology annual meeting. Chicago, IL.
- 09/15/2017 Update on Food Allergy Research. 2017 Children's Mercy Kansas City/ACAAI Conferences On-Line Allergy (COLA) conference series.
- 09/12/2017 Innovative Approaches to Food Desensitization. 2017 Current Views in Allergy, Asthma and Immunology (Vol 45) program. Augusta University.
- 06/01/2017 Food Allergy Update. 2017 Eastern Allergy Conference. Palm Beach, FL.
- 06/01/2017 Pro/Con Debate: Is oral peanut desensitization ready for mainstream use in clinical practice? 2017 Eastern Allergy Conference. Palm Beach, FL.
- 03/14/2017 I can't stop itching, help! Overview of pruritus. Central Regional Hospital Medical Lecture Series. Butner, NC.
- 02/16/2017 Updates on the Diagnosis and Treatment of Food Allergy. Duke Diet and Fitness Center guest lecture series. Durham, NC.

- 12/06/2016 Overview of Angioedema. Central Regional Hospital Medical Lecture Series. Butner, NC.
- 12/01/2016 Historical overview of immunotherapy and the emerging treatment landscape in peanut allergy. Aimmune Investor Research Symposium. New York, NY.
- 10/04/2016 An Overview of Drug Allergy. Central Regional Hospital Medical Lecture Series. Butner, NC.
- 04/30/2016 Charlotte Parents of Allergic Kids (PAK) 10th anniversary Education Symposium: “An Update on Immunotherapy for Food Allergy”
- 03/18/2015 Update on angioedema. Charlotte AHEC and UNC SOM 39th annual Internal Medicine Conference, Chapel Hill, NC.
- 03/21/2014 Reactions to food: Sorting out allergy from the rest. Charlotte AHEC and UNC SOM 38th annual Internal Medicine Conference, Chapel Hill, NC.
- 01/22/2014 Alternative forms of immunotherapy. Duke Allergy and Immunology Wednesday Seminar Series. Durham, NC.
- 10/23/2013 MIT Club of Research Triangle Park dinner lecture: “Food for Thought: An Evening with Dr. Edwin Kim”, Chapel Hill, NC.
- 05/22/2013 NC food allergy children excelling safely (NC FACES) advocacy group lecture: “Anaphylaxis management”, Raleigh, NC.
- 02/22/2013 Difficult Cases: Oral Food Challenges. 2013 American Academy of Allergy, Asthma and Immunology annual meeting. San Antonio, TX.
- 04/04/2012 Chronic urticaria and angioedema. Duke Allergy and Immunology Wednesday Seminar Series, Durham, NC.
- 03/14/2012 Urticaria and angioedema for the internist. Charlotte AHEC and UNC SOM 36th annual Internal Medicine Conference, Chapel Hill, NC.

***Other Solicited/Invited Oral presentations – Within UNC***

- 06/29/2023 Food Allergies and Intolerances. UNC SOM MS1 Culinary Medicine Elective.
- 04/14/2023 Allergist’s Approach to Chronic Urticaria. UNC Dermatology Didactic Lecture Series.
- 02/15/2023 Overview of Clinical Food Allergy. UNC Campus Health Services CME Lecture Series.
- 11/29/2022 Early intervention peanut immunotherapy – Updates from 2022 ACAAI annual scientific meeting. UNC Allergy and Immunology Wednesday Didactics. Chapel Hill, NC.

- 10/26/2022 Practical Review of Chronic Spontaneous Urticaria. UNC Campus Health Services CME Lecture Series.
- 10/12/2022 Beyond OIT: Food Allergy Treatments in the Pipeline. UNC Allergy and Immunology Wednesday Didactics. Chapel Hill, NC.
- 10/04/2022 Beyond OIT: Food Allergy Treatments in the Pipeline. Course SOCM 89-001-Food Allergies in Everyday Life.
- 07/29/2022 Allergic Emergencies/Anaphylaxis. UNC Pediatrics Residency Noon Conference-Acute Care Series. Chapel Hill, NC.
- 07/13/2022 Case-based Overview of Subcutaneous Immunotherapy Prescribing. UNC Allergy and Immunology Wednesday Didactics. Chapel Hill, NC.
- 11/12/2021 Therapeutics in Development for Food Allergy. UNC Pediatrics Residency Noon Conference.
- 10/15/2021 Immunology – Day in the Life. UNC Internal Medicine Interest Group monthly series.
- 09/13/2021 Hypersensitivity. UNC School of Medicine, TEC Foundation Phase – Immunology block.
- 07/06/2021 Approach to Food Allergy. UNC Allergy and Immunology Boot Camp.
- 04/12/2021 AHAA COVID-19 vaccine panel discussion. UNC Asian Health Advocacy Alliance meeting.
- 09/14/2020 Hypersensitivity. UNC School of Medicine, TEC Foundation Phase – Immunology block.
- 07/10/2020 Approach to Food Allergy. UNC Allergy and Immunology Boot Camp.
- 06/04/2020 Update on Food Allergy Research. UNC SOM MS1 Culinary Medicine Elective.
- 09/16/2019 Hypersensitivity. UNC School of Medicine, TEC Foundation Phase – Immunology block.
- 07/24/2019 Food Allergy. UNC Allergy and Immunology Boot Camp.
- 04/05/2019 Immunotherapy for Food Allergy. UNC Medical Alumni Council spring meeting.
- 09/24/2018 Hypersensitivity. UNC School of Medicine, TEC Foundation Phase – Immunology block.
- 03/11/2018 The Food Allergy Epidemic: Current Landscape and Future Directions. 2018 UNC Kenan-Flagler Business School Wellness Day Keynote Lecture.
- 03/10/2018 How clinicians and researchers are collaborating at UNC to develop treatments for debilitating food allergies. 2018 UNC Translational Medicine Symposium.



- 01/24/2018 Penicillin Allergy. UNC Pediatrics Residency Noon Conference.
- 01/19/2018 Basics of Food Allergy. UNC Pediatrics Residency Noon Conference.
- 09/18/2017 Hypersensitivity. UNC School of Medicine, TEC Foundation Phase – Immunology block.
- 08/23/2017 Pitfalls and Pearls in the Diagnosis and Treatment of Food Allergy. UNC Allergy and Immunology Boot Camp.
- 08/22/2017 Update on Local Anesthetic Allergy. UNC Division of Obstetric Anesthesia faculty meeting.
- 02/05/2017 Overview of Angioedema. UNC Internal Medicine Noon Conference.
- 09/19/2016 Hypersensitivity. UNC School of Medicine, TEC Foundation Phase – Immunology block.
- 08/17/2016 Immunotherapy for the treatment of food allergy. UNC Gillings Department of Nutrition Continuing Education Webinar Series.
- 08/17/2016 Pitfalls and pearls in the diagnosis of food allergy. UNC Gillings Department of Nutrition Continuing Education Webinar Series.
- 09/21/2015 Hypersensitivity. UNC School of Medicine, TEC Foundation Phase – Immunology block.
- 06/16/2015 Overview of drug allergy. UNC Internal Medicine Noon Conference.
- 09/22/2014 Hypersensitivity. UNC School of Medicine, TEC Foundation Phase – Immunology block.
- 07/09/2014 Chronic Urticaria and Angioedema. UNC Allergy and Immunology Boot Camp.
- 03/25/2014 Food allergy: diagnostic and therapeutic challenges. UNC Eschelman School of Pharmacy Noon Lecture Series.
- 10/17/2012 Update on sublingual immunotherapy for peanut allergy. UNC Allergy and Immunology Seminar Series.

## **Research Grants**

### ***Active***

Consortium for Food Allergy Research (CoFAR): Clinical Research Unit

5-UM1-AI130936

NIH/NIAID; Project period: 03/01/2017 – 02/29/2024; Principal investigator

Consortium for Food Allergy Research (CoFAR): Omalizumab as Monotherapy and as Adjunct Therapy to Multi-Allergen OIT in Food Allergic Children and Adults (OUTMATCH)

Johns Hopkins University subaward; Project period: 03/01/2019 – 02/29/2024; Principal investigator

Consortium for Food Allergy Research (CoFAR): Omalizumab as Monotherapy and as Adjunct Therapy to Multi-Allergen OIT in Food Allergic Children and Adults (OUTMATCH)  
Genentech; Project period: 03/01/2019 – 02/29/2024; Principal investigator

Consortium for Food Allergy Research (CoFAR): Systems Biology of Early Atopy (SUNBEAM)  
Johns Hopkins University subaward; Project period: 07/01/2020 – 02/29/2024; Principal investigator

FARE Clinical Network – Discovery Center of Distinction  
Food Allergy Research and Education (FARE); Project period: 7/1/2020 – 6/30/2025; Principal investigator

Efficacy of Tezepelumab in Peanut Oral Immunotherapy: a Double-Blind, Randomized, Placebo-controlled Trial (ZENITH study)  
Benaroya Research Institute subaward (Immune Tolerance Network); Project period: 9/1/2021 – 1/31/2022; Protocol chair

Reduced-Immunogenicity High-Oleate Peanuts through Applied Innovation  
Clemson/FFAR; Project period: 01/01/2022 – 12/31/2025; Co-investigator

Peanut Sublingual Immunotherapy (SLIT)-Tablet for Treatment of Peanut Allergy (PT-01) Study  
ALK-Abello; Project period: 01/30/2023 – 12/31/2023; International Coordinating Investigator

Food Allergy Transitions of Care for the Adolescent Population  
Foundation of the American College of Allergy, Asthma Immunology; Project period: 8/1/2022 – 12/1/2-23; Principal investigator

SBIR: Safety and Tolerability of TESIS-Peanut (Targeted Allergen-Specific Immunotherapy with the Skin) Patch for Treatment of Peanut Allergy  
Moonlight Therapeutics; Project period: 4/10/2023 – 3/31/2024; Principal investigator

Exploring the Ethical Dimensions of Peanut Allergy Immunotherapy Research  
NIH/NIAID; Project period: 12/1/2020 – 11/30/2023; Co-investigator

### **Completed**

Safety and Tolerability of Shrimp Oral Immunotherapy  
Baylor College of Medicine subaward; Project period: 4/15/2021 – 3/31/2022; Principal investigator

COVID-19-004 / Systemic Allergic Reaction to SARS-COV-2 Vaccination  
Benaroya Research Institute; Project period: 2/1/2021- 1/31/2022; Co-investigator

FARE Clinical Center of Excellence  
Food Allergy Research and Education (FARE); Project period: 7/1/2015 – 6/30/2018; Principal investigator

Peanut Immunotherapy Sublingual (PITS) Trial  
Food Allergy Research and Education (FARE); Project period: 1/14/2015 – 1/1/2021; Co-investigator

Sublingual Immunotherapy for Peanut Allergy  
NIH/NCCIH; Project period: 7/1/2014 – 4/30/2021; Co-investigator

IMPACT Oral Immunotherapy for Induction of Tolerance and Desensitization in Peanut-Allergic Children  
Benaroya Research Institute (Immune Tolerance Network); Project period: 5/1/2014 – 9/30/2019; Co-investigator

Immunobiology of Food Allergy and its Treatment  
Icahn School of Medicine at Mount Sinai subaward; Project period: 7/1/2013 – 6/30/2017; Co-investigator

Understanding the Mechanism of Mucosal Immunotherapy  
NIH/NIAID; Project period: 8/1/2012 – 7/31/2018; Co-investigator

## **Clinical Trials**

### ***Active***

A Phase 3, Double-blind, Placebo-controlled, Randomized Study to Assess the Efficacy and Safety of Epicutaneous Immunotherapy With DBV712 250 µg in 4-7-year-old Children With Peanut Allergy (VITESSE)

DBV Technologies; Project period: 9/22/2023 – 7/2/2024; Principal investigator

Tolerability and safety of an up-dosing regimen with a once daily peanut SLIT-tablet in adults, adolescents, and children with peanut allergy

ALK-Abello; Project period: 01/30/2023 – 12/31/2023; Principal Investigator

A Three-year, Multi-center, Double-blind, Extension Study to Evaluate the Long-term Safety and Efficacy of Ligelizumab in Patients Who Completed Ligelizumab's Phase III Studies in Food Allergy (CQGE031G12303B)

Novartis; Project period: 1/15/2023 – 12/31/2027; Principal investigator

An Open-Label Extension Study Evaluating the Safety and Efficacy of ADP101 for Oral Immunotherapy (The Encore Study)

Alladapt Immunotherapeutics, Inc; Project period: 8/15/2022 – 3/31/2029; Principal investigator

A 52 week, multi-center, randomized, double-blind placebo-controlled study to assess the clinical efficacy and safety of ligelizumab (QGE031) in decreasing the sensitivity to peanuts in patients with peanut allergy

Novartis; Project period: 12/1/2021 – 6/1/2026; Principal investigator

Identification of Allergen Epitopes in Individuals with Peanut and other food Allergies and immune mediated sensitivities

Ukko Inc; Project period: 8/5/2021 – 8/31/2023; Principal investigator

Open-label extension study to evaluate the long-term clinical benefit and safety of DBV712 in peanut-

allergic children (EPOPEX study)

DBV Technologies; Project period: 11/2/2018 – 9/30/2025; Principal investigator

Peanut oral immunotherapy study of early intervention for desensitization (ARC005 study)

Aimmune Therapeutics; Project period: 9/27/2018 – 8/31/2025; Principal investigator

A multi-center, open-label, long-term safety study of AR101 characterized oral desensitization immunotherapy in subjects who participated in a prior AR101 study (ARC008 study)

Aimmune Therapeutics; Project period: 9/8/2017 – 9/7/2023; Principal investigator

A double-blind, placebo-controlled, randomized phase III trial to assess the safety and efficacy of Viaskin® Peanut in peanut-allergic young children 1-3 years of age (EPITOPE study)

DBV Technologies; Project period: 3/28/2017 – 1/6/2024; Principal investigator

### **Completed**

A Phase 1/2, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Efficacy and Safety of ADP101 for Oral Immunotherapy in Food-Allergic Children and Adults (The Harmony Study)

Alladapt Immunotherapeutics, Inc; Project period: 9/29/2021 – 8/31/2023; Principal investigator

Determination of Hypoallergenicity of an Extensively Hydrolyzed Infant Formula in Infants and Children with Cow's Milk Allergy

Abbott Nutrition; Project period: 6/14/2021 – 6/13/2024; Principal investigator

NIH Multi-OIT Clinical Trial Manufacturing

NIH Clinical Center; Project period: 8/1/2019 – 3/22/2022; Principal investigator

A phase 2, multi-center, randomized, double-blind, placebo-controlled study in pediatric subjects with peanut allergy to evaluate the efficacy and safety of Dupilumab and adjunct to peanut oral immunotherapy (R668-ALG-16114 study)

Regeneron Pharmaceuticals; Project period: 5/10/2019 – 10/15/2022; Principal investigator

A phase 2, double-blind, placebo-controlled, parallel group, multiple dose study to investigate Etokimab (ANB020) in adult subjects with chronic rhinosinusitis with nasal polyposis (ANB020-006 study)

AnaptysBio; Project period: 3/19/2019 – 10/31/2022; Principal investigator

Real-world AR101 market-supporting experience study in peanut-allergic children, active treatment arm open-label extension study (ARC011 RAMSES OLE study)

Aimmune Therapeutics; Project period: 11/17/2017 – 12/1/2022; Principal investigator

Real-world AR101 market-supporting experience study in peanut-allergic children ages 4 to 17 years (ARC007 RAMSES study)

Aimmune Therapeutics; Project period: 5/25/2017 – 6/28/2021; Principal investigator

Open-label follow-up study of the PEPITES study to evaluate the long-term efficacy and safety of Viaskin® peanut (PEOPLE study)

DBV Technologies; Project period: 5/9/2017 – 5/8/2022; Principal investigator

Peanut allergy oral immunotherapy study of AR101 for desensitization in children and adults (PALISADE) follow-on study (ARCO04 study)

Aimmune Therapeutics; Project period: 3/21/2017 – 5/31/2022; Principal investigator

Long-term assessment of safety and therapeutic benefit of Viaskin® Peanut epicutaneous treatment in peanut-allergic children: A 6 month randomization, double-blind, placebo-controlled phase III study followed by an open label active treatment (REALISE study)

DBV Technologies; Project period: 1/6/2017 – 12/31/2020; Principal investigator

A randomized, double-blind, placebo-controlled, multi-centre study to assess the safety, tolerability and pharmacodynamics of HAL-MPE1 subcutaneous immunotherapy in adult and pediatric subjects with peanut allergy

HAL Allergy, Project period: 12/21/2016 – 12/31/2019; Principal investigator

A Phase 1, Randomized, Placebo Controlled study to Evaluate Safety, Tolerability and Immune Response in Adults Allergic to Peanut after Receiving Intradermal or Intramuscular Administration of ASP0892 (ARA LAMP vax), a single Multivalent Peanut (Ara h1, h2, h3) Lysosomal Associated Membrane Protein DNA Plasmid Vaccine

Astellas Pharma Global Development, Project period: 10/12/2016 – 9/30/2019; Principal investigator

A Double-blind, Placebo-controlled, Randomized Phase 3 Pivotal Trial to Assess the Efficacy and Safety of Peanut Epicutaneous Immunotherapy With Viaskin Peanut in Peanut-allergic Children (PEPITES study)

DBV Technologies; Project period: 3/2/2016 – 12/31/2019; Principal investigator

Peanut allergy oral immunotherapy study of AR101 for desensitization in children and adults (PALISADE study)

Aimmune Therapeutics; Project period: 3/1/2016 – 2/28/2018; Principal investigator

Oral Desensitization to Peanut in Peanut-Allergic Children and Adults using Characterized Peanut Allergen (CPNA) Oral Immunotherapy (OIT) Safety Follow-On Study (ARC002)

Aimmune Therapeutics; Project period: 12/9/2014 – 12/31/2018; Co-investigator

## **Professional Service**

### ***Service to Discipline – Committees***

02/2024 – present	Vice chair, AAAAI Office of Medical Education
02/2023 – present	Secretary, AAAAI Food Allergy and Eosinophilic Disorders Interest Section
02/2023 – present	Chair, AAAAI Clinical Rotation Committee
02/2023 – present	Chair, AAAAI Continuing Certification and Professional Education Committee
08/2021 – present	Member, Safety Review Committee, Allergy Therapeutics Ltd
02/2021 – 02/2024	Member, AAAAI Office of Medical Education
02/2021 – 02/2023	Vice chair, AAAAI Clinical Rotation Committee
02/2021 – 02/2023	Vice chair, AAAAI Continuing Certification and Professional Education Committee
10/2019 – present	Member, US FDA Pulmonary-Allergy Drugs Advisory Committee (PADAC)

02/2019 – present Ad-hoc DSMB member, National Institute of Allergy and Infectious Diseases  
 03/2018 – 12/2019 Member, World Allergy Organization (WAO) WinAIT Food AIT committee  
 09/2012 – 02/2023 Member, AAAAI Food allergy and Eosinophilic Disorders Interest Section  
 02/2019 – 02/2021 Executive committee: Pediatric counselor, AAAAI Program Directors Assembly  
 05/2017 – 02/2021 Member, AAAAI Clinical Rotation Committee  
 04/2016 – 02/2021 Member, AAAAI CME/MOC Committee  
 03/2014 – 04/2016 Member, AAAAI Needs Assessment and Outcomes Committee

***Service to Discipline – Editorial Appointments***

Editorial board: Journal of Allergy and Clinical Immunology In Practice  
 Section editor: Current Allergy and Asthma Reports (past)  
 Ad hoc reviewer: Journal of Allergy and Clinical Immunology; Annals of Asthma, Allergy and Immunology; Allergy; BMJ Open; Case Reports in Pediatrics; Expert Review of Clinical Immunology; Immunology; International Archives of Allergy and Immunology; Journal of Food Allergy; Lancet Child and Adolescent Health; Pediatric Allergy and Immunology; PLOS ONE

***Service to Discipline – Review Panels***

08/2023 Department of Defense (DOD) Congressionally Directed Medical Research Programs (CDMRP) Peer Reviewed Medical Research Program (PRMRP): Food Allergies-Celiac Disease (FA-CD)  
 10/2022 Department of Defense (DOD) Congressionally Directed Medical Research Programs (CDMRP) Peer Reviewed Medical Research Program (PRMRP): Food Allergies-Nutritional Optimization-Mitochondrial Diseases (CT-FA-NM)  
 10/2021 Department of Defense (DOD) Congressionally Directed Medical Research Programs (CDMRP) Peer Reviewed Medical Research Program (PRMRP): Food Allergies-Clinical Trials (CT-FA)  
 07/2021 Department of Defense (DOD) Congressionally Directed Medical Research Programs (CDMRP) Peer Reviewed Medical Research Program (PRMRP): Food Allergies (FA)

***Service to University***

09/2023 – present Member, UNC GMEC Annual Institutional Review subcommittee  
 02/2022 – present Member, UNC SOM Clinical Research Support Office (CRSO) advisory committee  
 09/2020 UNC SOM ad-hoc 5-year center review committee  
 04/2018 – 06/2021 Medical Director Member, Department of Medicine Outpatient Leaders Group  
 06/2016 – present Physician Champion – UNC Grateful Patient Program  
 01/2014 – 06/2021 Member, Thurston Arthritis Research Center and Division of Rheumatology, Allergy & Immunology 5-year Strategic Plan – Education Committee  
 06/2015 – 12/2015 Member, Carolina Value – School of Medicine Technology Transfer  
 09/2014 – 02/2015 Implementation Team Member, Academy of Educators – School of Medicine EPIC Utilization Committee  
 03/2014 – 04/2014 Superuser, Epic@UNC Project  
 08/2013 – 04/2014 Subject Matter Expert, Adult and Pediatric Allergy, Epic@UNC Project  
 07/2013 – 02/2014 Member, UNC – Streamlining the Referral Process Task Force  
 07/2013 – 02/2014 Member, UNC – Provider Review of Referrals Task Force