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EDUCATION

- **M.D. University of Cincinnati**, Cincinnati, Ohio, 1997
- **B.A. Miami University**, Oxford, Ohio, 1993
Economics and microbiology majors, *magna cum laude*

POSTDOCTORAL TRAINING

- **University of Virginia**
Fellowship, Allergy and Immunology, 2000-2003
- **Ohio State University**
Children's Hospital
Residency in pediatrics, 1997-2000

LICENSURE/CERTIFICATION

- American Board of Allergy and Immunology, 2003 to present
- American Board of Pediatrics, 2000-2007
- Medical License, State of Ohio, 1998 to present

POSITIONS

- **Ohio State University**
Associate Professor, Department of Pediatrics, September 2011 to present
Assistant Professor, Department of Pediatrics, September 2004-2011
- **University of Virginia**
Visiting Assistant Professor, Division of Allergy and Immunology, April 2007 to present
Assistant Professor, Division of Allergy and Immunology, September 2004 to April 2007
Instructor, Division of Allergy and Immunology, July 2003 to September 2004

HONORS

- American College of Allergy Asthma and Immunology Young Faculty Support Award, 2004
- GlaxoSmithKline Allergy Fellowship Award, 2001
- Phi Beta Kappa, 1993

- Phi Kappa Phi, 1993
- Sigma Xi, Scientific Research Society, 1993
- Orton K. Stark Award, outstanding senior microbiology student, 1993
- Undergraduate Research Grant Recipient, 1992
- Sigma Xi Research Grant Recipient, 1992
- National Merit Scholarship, 1989
- Ohio Academic Scholarship, 1989

APPOINTMENTS

Allergy/Immunology Fellowship program

- Associate Program Director at Nationwide Children's Hospital site

National

- Abstract reviewer for the 2009 annual meeting of the American Academy of Allergy, Asthma and Immunology
- Journal reviewer for The Journal of Allergy and Clinical Immunology, 2012 to present
- Journal reviewer for Pediatric Allergy and Immunology, 2012 to present
- Journal reviewer for The American Journal of Rhinology and Allergy, 2011 to present
- Journal reviewer for Clinical and Experimental Allergy, 2010 to present
- Journal reviewer for The Annals of Allergy Asthma and Immunology 2006 to present

PUBLICATIONS

- Erwin EA, Woodfolk JA, James HR, Satinover SM, Platts-Mills TA. Changes in cat specific IgE and IgG antibodies with decreased cat exposure. *Ann Allergy Asthma Immunol* 2014;112:545-50.
- Slack MA, Erwin EA, Cho CB, Raveendran R, Phillips G, Ogbogu PU. Food and aeroallergen sensitization in adult eosinophilic esophagitis. *Ann Allergy Asthma Immunol* 2013;111:304-5.
- Franciosi JP, Hommel KA, Bendo CB, King EC, Collins MH, Eby MD, Marsolo K, Abonia JP, von Tiehl KF, Putnam PE, Greenler AJ, Grennberg AB, Bryson RA, Davis CM, Olive AP, Gupta SK, Erwin EA, Klinnert MD, Spergel JM, Denham JM, Furuta GT, Rothenberg ME, Varni JW. PedsQLTM Eosinophilic esophagitis module: Feasibility, reliability and validity. *J Pediatr Gastroenterol Nutr* 2013;57:57-66.
- Erwin EA, Asti L, Hemming T, Kelleher KJ. A brief report on hospital discharges related to eosinophilic esophagitis over the last decade. *J Pediatr Gastroenterol Nutr* 2012;54:427-9.
- Erwin EA, Faust RA, Platts-Mills TAE, Borish L. Epidemiological analysis of chronic rhinitis in pediatric patients. *Am J Rhinol Allergy* 2011;25:327-32.
- Erwin EA, Woodfolk JA, Ronmark E, Perzanowski M, Platts-Mills TAE. The long-term protective effects of domestic animals in the home. *Clin Exp Allergy* 2011;41:920-2.

- Hauswirth DW, Erwin EA. The prevention pendulum: Avoidance or Introduction. *Int Archives Allergy Immunol* 2011;154:275-7.
- Erwin EA, James HR, Gutekunst HM, Russo JM, Kelleher KJ, Platts-Mills TAE. Serum IgE measurement increases detection of food allergy among pediatric patients with eosinophilic esophagitis. *Annals Allergy Asthma Immunol* 2010;104:496-502.
- Platts-Mills TAE, Erwin EA, Heymann PW, Woodfolk JA. Pro: The evidence for a causal role of dust mites in asthma. *Am J Respir Crit Care Med* 2009;180:109-13.
- Erwin EA, Hosen J, Pollart SM, Reid MJ, Platts-Mills TAE. High-titer IgE antibody specific for pollen allergens in northern California is associated with both wheezing and total serum IgE. *J Allergy Clin Immunol* 2009;123:706-8.
- Erwin EA, Platts-Mills TAE. Reply. *J Allergy Clin Immunol* 2008;121:781-2.
- Erwin EA, Platts-Mills TAE. Environmental Modification: Allergen Avoidance. In Kraft M and Castro M. eds. *Clinical Asthma*. Philadelphia: Elsevier. 2008:213-220.
- Erwin EA, Ronmark E, Wickens K, Perzanowski MS, Barry D, Lundback B, Crane J, Platts-Mills TAE. Contribution of dust mite and cat specific IgE to total IgE: Relevance to asthma prevalence. *J Allergy Clin Immunol* 2007;119:359-65.
- Platts-Mills TAE, Erwin EA, Woodfolk JA, Heymann PW. Environmental factors influencing allergy and asthma. *Chem Immunol Allergy* 2006;91:3-15.
- Erwin EA, Custis N, Ronmark E, Wickens K, Sporik R, Woodfolk JA, Platts-Mills TAE. Asthma and indoor air: contrasts in the dose response to cat and dust mite. *Indoor Air* 2005;15 Suppl 10:33-9.
- Erwin EA, Custis NJ, Satinover S, Perzanowski MS, Woodfolk JA, Crane J, Wickens K, Platts-Mills TAE. Quantitative measurement of IgE antibodies to purified allergens using streptavidin linked to a high capacity solid phase. *J Allergy Clin Immunol* 2005; 115:1029-35.
- Erwin EA, Wickens K, Custis NJ, Woodfolk JA, Barry D, Crane J, Platts-Mills TAE. Cat and dust mite sensitivity and tolerance in relation to wheezing among children raised with high exposure to both allergens. *J Allergy Clin Immunol* 2005; 115:74-9.
- Erwin EA, Platts-Mills TAE. Allergens. *Immunol Allergy Clin North Am* 2005; 25:1-14.
- Heymann PW, Carper HT, Murphy DD, Platts-Mills TAE, Patrie J, McLaughlin AP, Erwin EA, Shaker MS, Hellems M, Peerzad J, Hayden FG, Hatley TK, Chamberlain R. Viral infections in relation to age, atopy, and season of admission among children hospitalized for wheezing. *J Allergy Clin Immunol* 2004; 114:239-47.
- Erwin EA, Woodfolk JA, Custis NJ, Platts-Mills TAE. Animal danders. *Immunol Allergy Clin North Am* 2003; 23:469-81.

- Platts-Mills TAE, Erwin EA, Allison AB, Blumenthal K, Barr M, Sredl D, Burge H, Gold D. The relevance of maternal immune responses to inhalant allergens to maternal symptoms, passive transfer to the infant, and the development of antibodies in the first two years of life. *J Allergy Clin Immunol* 2003; 111:123-30.
- Erwin EA, Platts-Mills TAE. Allergy and Asthma. In: Kaliner M ed. *Current Review of Asthma*. Philadelphia: Current Medicine, Inc. 2003.
- Erwin EA, Platts-Mills TAE. Allergic reactions. In: Beers M ed. *Merck Manual of Medical Information: Home Edition*. West Point, PA: Merck & Co., Inc. 2003.
- Hunt JF, Erwin E, Palmer L, Vaughan J, Malhotra N, Platts-Mills TAE, Gaston B. Expression and activity of pH-regulatory glutaminase in the human airway epithelium. *Am J Respir Crit Care Med* 2002;165:101-7.
- Erwin EA, Platts-Mills TAE. Aeroallergens: What is the case for primary avoidance? In: Agosti J and Sheffer eds. *Biotherapeutic Approaches to Asthma*. New York: Marcel Dekker. 2002.
- Erwin EA, Platts-Mills TAE. Aeroallergens. In: Bieber T and Leung DYM eds. *Atopic Dermatitis*. New York: Marcel Dekker. 2002.
- Erwin EA, Gerber ME, Cotton RT. Vascular Compression of the Airway: Indications for and Results of Surgical Management. *Int J Pediatr Otorhinolaryngol* 1997;40:155-62.

ABSTRACTS

- Erwin EA, Kruszewski P, Russo JM, Platts-Mills TAE. Milk elimination diet for treatment of eosinophilic esophagitis. *J Allergy Clin Immunol* 2013.
- Slack MA, Ogbogu PO, Tripathi A, Workman L, Platts-Mills TAE, Erwin EA. Serum IgE to allergen components in patients with eosinophilic esophagitis. *J Allergy Clin Immunol* 2013.
- Tripathi A, Workman LJ, Commins SP, Barnes B, Hamilton RG, Platts-Mills TAE, Erwin EA. Challenges with measurement of IgE antibodies to minor components in food allergy: eosinophilic esophagitis, peanut allergy, and delayed anaphylaxis to mammalian meat. *J Allergy Clin Immunol* 2013.
- Erwin EA, Cho CB, Ogbogu PU, Workman L, Platts-Mills TAE. Quantifying allergic sensitivities among adults with eosinophilic esophagitis. *J Allergy Clin Immunol* 2012.
- Raveendran R, Clough-Paabo E, Borish L, Erwin E. Using objective tools to evaluate pediatric patients with chronic rhinitis. *J Allergy Clin Immunol* 2012.
- Slack MA, Cho CB, Raveendran R, Erwin E, Ogbogu PU. The role of food and aeroallergen sensitization in eosinophilic esophagitis. *J Allergy Clin Immunol* 2012.

- Erwin EA, Faust RA, Platts-Mills TAE, Borish L. Chronic rhinitis in pediatric patients: Epidemiologic analysis of one cohort (abstr) *J Allergy Clin Immunol* 2011.
- Erwin EA, James HR, Russo JM, Platts-Mills TAE. Using allergic sensitivities to define three phenotypes among patients with eosinophilic esophagitis (abstr) *J Allergy Clin Immunol* 2010;125:S160.
- Erwin EA, Roper J, Mustillo PJ, Scherzer R, Platts-Mills TAE. Epidemiology of eosinophilic esophagitis: Evaluation of food and pollen sensitivities in a cohort of children (abstr) *J Allergy Clin Immunol* 2009;123:S248.
- Erwin EA, Satinover SM, Hosen J, Pollart SM, Reid MJ, Platts-Mills TAE. In adults with high grass pollen exposure, specific IgE antibody to grass is related to total IgE and wheezing (abstr) *J Allergy Clin Immunol* 2008;121:S94.
- Erwin EA, Satinover SM, Reefer AJ, Woodfolk JA, Platts-Mills TAE. Changes in IgE and IgG antibody responses to cat with decreased exposure to cat allergen (abstr) *J Allergy Clin Immunol* 2007;119:S370.
- Erwin EA, Reefer AJ, Naccara L, Bunyan D, Woodfolk JA, Platts-Mills TAE. Changes in immune responses to cat allergens during prolonged avoidance: Is tolerance reversible? (abstr) *J Allergy Clin Immunol* 2006;117:S113.
- Erwin EA, Custis NJ, Bunyan D, Platts-Mills TAE. Is tolerance to cats reversible with prolonged decrease in allergen exposure? (abstr) *J Allergy Clin Immunol* 2005; 115:S165.
- Erwin EA, Wickens K, Custis NJ, Perzanowski MS, Barry D, Crane J, Platts-Mills TAE. Contrasting IgE and IgG responses to dust mite, cat, and dog allergens among children in New Zealand who have high exposure to each allergen (abstr). *J Allergy Clin Immunol* 2004; 113:S142.
- Oral Presentation at AAAAI. The dominance of dust mite allergy in wheezing among children in New Zealand is not reduced by the presence of a cat. Denver, 3/03.
- Oral Presentation at AAAAI. The relevance of maternal immune responses to inhalant allergens to maternal symptoms, passive transfer to the infant, and the development of antibodies in the first two years of life. New York City, 3/02.
- Erwin EA, Scalabrin DM, Bavbek S, Custis NJ, Wilson B, Peters E, Platts-Mills TAE. Serum IgE and IgG antibodies to cat allergens and Fel d 1 in patients with atopic dermatitis (abstr). *Annals of Allergy, Asthma & Immunology* 2002;88:116.
- Erwin EA, Hunt J, Vaughan J, Platts-Mills TAE, Heymann P, Gaston B. Ammonium in precipitates of exhaled breath during experimental nasal rhinovirus infection (abstr). *Am J Resp Crit Care Med* 2001;163:A551.
- Erwin EA, Platts-Mills TAE, Gaston B, Hunt J. Pro-inflammatory cytokines downregulate ammonia production in primary human airway epithelial cell cultures (abstr). *J Allergy Clin Immunol* 2001;107:154.

- Oral presentation at SENTAC (Society for ENT Advances in Children) Vascular Compression of the Airway: Indications for and Results of Surgical Management, Cincinnati, Ohio, 12/96.

INVITED LECTURES

- Faculty presentation at the annual Swineford Allergy Conference at the University of Virginia, “Eosinophilic esophagitis; forms of the disease and response to treatment”, Charlottesville, Virginia, 4/12.
- Workshop presentation at the annual meeting of the American Academy of Allergy, Asthma and Immunology, “The Modified Th2 Response”, Philadelphia, PA, 3/08.
- Participant in the 4th International Workshop on Indoor Allergens, Aspen, CO, 8/07.
- The AAAAI Hypersensitivity School, a program designed to facilitate interactions among a small group of experienced researchers and junior faculty, Aspen, CO, 8/06.
- “Meet the Professor Breakfast” at the annual meeting of the American College of Allergy Asthma and Immunology, “The consequences of the cat paradox”, Boston, MA, 11/05.
- Faculty presentation at the annual Swineford Allergy Conference at the University of Virginia, “Distinct effects of different allergic responses on total IgE”, Charlottesville, Virginia, 4/05.

AFFILIATIONS

- American Academy of Allergy, Asthma & Immunology
- American College of Allergy, Asthma, and Immunology

GRANT SUPPORT

Completed

- PI, NIAID K23 AI059317, 2008-2013
Change in allergen exposure and reversibility of the tolerant immune response
- PI, Davis Bremer Grant, The Ohio State University, 2008-2010
Food and pollen sensitivities among patients with eosinophilic esophagitis