



- *Professor*
- *Head, Division of Pediatric Allergy & Immunology*
- *Department of Pediatrics*

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#### Conditions Treated:

- *Allergy in Children*
- *Allergic Rhinitis (Pediatric)*

#### Research Areas:

- *Infectious Diseases*
- *Basic Immunology*
- *Cellular and Molecular Biology*
- *Inflammation*

#### Programs & Services:

- *National Jewish Health for Kids / Pediatric Programs*
- *Division of Pediatric Allergy & Clinical Immunology*
- *Eczema Program (Pediatric)*
- *Outpatient Clinic (Pediatric)*
- *Allergy & Asthma Program (Pediatric)*
- *Asthma Treatment Programs (Pediatric)*

#### Research Interests

My research focuses on mechanisms by which bacteria and viruses contribute to skin inflammation of atopic dermatitis and psoriasis. I am interested in why patients with atopic dermatitis are prone to microbial infection. As well, I have an interest in mechanisms resulting steroid resistance and the treatment of peanut allergy.

#### Board Certification

American Board of Pediatrics(#28313)  
American Board of Allergy-Immunology (#2420)  
Colorado State Board of Medical Examiners (License #29944)  
Diagnostic Laboratory Immunology (American Board of Allergy and Immunology: Certificate #0127)

#### Education

1975 University of Chicago, PhD, Biochemistry  
1977 University of Chicago, MD

#### Residency

1977 - 1978 Boston Children's Hospital Medical Center, Intern in Pediatrics  
1978 - 1979 Boston Children's Hospital Medical Center, Resident in Pediatrics

#### Fellowship

1977 - 1979 Harvard Medical School, Clinical Fellow in Pediatrics  
1979 - 1981 Boston Children's Hospital Medical Center, Fellow in Allergy and Immunology

## Teaching or Professional Positions

2013 NIAID Immune Tolerance Network, Steering Committee  
2012: NIAID National Allergy and Infectious Disease Advisory Council, Ad hoc member  
2007: NIAID National Allergy and Infectious Disease Advisory Council, Ad hoc Member  
2006: Research Advisory Committee, University of Colorado Denver  
1998: Editor-in-Chief, Journal of Allergy and Clinical Immunology  
1994: Director, NIH Clinical Research Center, National Jewish Health  
1991: Professor, Department of Pediatrics, University of Colorado Denver  
1990-91: Associate Professor, Dept of Pediatrics, University of Colorado Denver  
1989: Head, Division of Pediatric Allergy-Immunology, National Jewish Health  
1989: Senior Staff Physician, National Jewish Health  
1987-89: Associate Professor, Dept of Pediatrics, Harvard Medical School  
1987-89: Director of Allergy Program, Children's Hospital (Boston, MA)  
1983-87: Assistant Professor, Dept of Pediatrics, Harvard Medical School  
1981-83: Instructor, Department of Pediatrics, Harvard Medical School

## Affiliations with the University of Colorado Denver

Professor of Pediatrics, University of Colorado Denver

## Professional Memberships

American Academy of Allergy, Asthma and Immunology, American Association of Immunologists, American Federation of Clinical Research, Collegium International Allergologicum, Society for Pediatric Research, Society for Investigative Dermatology, American Society for Clinical Investigation

## Awards & Recognition

2014-2015, 2017-2018: Best Doctors in America, Best Doctors, Inc.  
2013, 2018: America's Top Doctors, Castle Connolly Medical, Ltd.  
2012: Named by US News and World Report as among the top 1% of physicians  
2012: AAAAI Distinguished Service Award  
2012: Sir QW Lecturer, Hong Kong Allergy Convention  
2011: Reviewer, NIH/National Heart, Lung and Blood Institute, Special Emphasis Panel for ancillary asthma clinical trials  
2009: Arthur Rook Oration at 79th British Assn of Dermatology  
2008: Reviewer, The Center for Scientific Review National Institutes of Health, Small Business Innovation Research (SBIR), Small Business Technology Transfer Research (STTR)  
2008: NIH/FDA Expert Panel on Food Allergy  
2008: Outstanding Scientific Achievement in Clinical Research Award, NJH  
2007: Soc of Investigative Dermatology, Julius Stone Lectureship  
2007: Chair, Medical Advisory Board, Food Allergy Initiative  
2007: NIH/NIAID Res Advisory Council  
2006-09: SPR E Mead Johnson Award Selection Comm  
2006: ISI Most Highly Cited Authors in Immunology (top half percent of citations in previous 20 years)  
2005: Robert Cooke Memorial Lectureship at AAAAI  
2004-08: Board of Dir, AAAAI 2004: American Skin Assoc Annual Psoriasis Achievement Award  
2004: Edelstein Chair in Pediatric Allergy/Immunology, NJH  
2004: Pfizer Visiting Professorship, Univ Chicago  
2004: Erich Hoffmann Mem Lectureship, Bonn  
2004: 17th James N. Gilliam Mem Lectureship, Univ Texas SW Med Ctr, Dallas  
2003: Leung Peanut Allergy NEJM Article named one of Top Science Stories by Sci Am  
2003: Ghoury Mem Lectureship at Univ Cincinnati Med Ctr  
2003: WAO Scientific Achievement Award, Vancouver.  
2003: Outstanding Scientific Achievement Award, NJH  
2003: Pfizer visiting Professorship, St Christopher's Hosp Children, Philadelphia.  
2002: Listed in International Biographical Ctr, Cambridge Outstanding Scientists of the 21st Century  
2002: Stanislaus Jaros Lectureship at ACAAI Annual Mtg  
2002: Burton Zweiman Lectureship at 2002 AAAAI Mtg

1998: Editor-in-Chief, Journal of Allergy and Clinical Immunology  
1998 to 2007: Consulting Editor, The Journal of Clinical Investigation  
1997: E. Mead Johnson Award for Outstanding Research in Pediatrics  
1995-2004: Recipient of NIH National Heart, Lung and Blood Institute MERIT Award for Studies in Kawasaki Syndrome  
1993: Associate Program Director, Clinical Translational Research Ctr, University of Colorado Denver  
1993: American Society for Clinical Investigation  
1992-97: Member, NIH General Medicine A Study Section  
1992-present: Listed in Woodward & White's The Best Doctors in America  
1991-94: Immunology and Microbiology Study Committee, American Heart Association  
1991: AFCR Henry Christian Award for Excellence in Research  
1983-85: NIH Young Investigator Research Award  
1979-81: NIH National Research Service Award  
1970-77: NIH Medical Scientist Training Program

### **Publications**

Irvine AD, McLean WHI, Leung DYM. Filaggrin mutations: Associations with skin and allergic diseases. N Engl J Med 2011; 365(14): 1315-27.

Searing DA, Zhang Y, Murphy JR, Hauk PJ, Goleva E, Leung DY. Decreased serum vitamin D levels in children with asthma are associated with increased corticosteroid usage. J Allergy Clin Immunol 2010; 125:995-1000.

Leung DYM, Gao PS, Grigoryev DN, Rafaels NM, Streib JE, Howell M D, Taylor PA, Boguniewicz M, Canniff J, Armstrong B, Zaccaro DJ, Schneider LC, Hata TR, Hanifin JM, Beck LA, Weinberg A, Barnes KC. Human atopic dermatitis complicated by eczema herpeticum is associated with abnormalities in gamma interferon response. J Allergy Clin Immunol 2011; 127:965-73. PMID: 21458658. PMCID: PMC3074534

Leung DY, Sampson HA, Yunginger JW, Burks AW Jr, Schneider LC, Wortel CH, Davis FM, Hyun JD, Shanahan WR Jr, for the TNX-901 Peanut Allergy Study Group. Effect of anti-IgE therapy (TNX-901) in patients with peanut allergy. N Engl J Med 2003;348:986-93.

Ong PY, Ohtake T, Brandt C, Strickland I, Boguniewicz M, Ganz T, Gallo RL, Leung DY. Endogenous antimicrobial peptides and skin infections in atopic dermatitis. N Engl J Med 2002;347:1151-60.

### **Doctor's Contact Information**

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### **Locations**

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1400 Jackson St.

Denver, CO 80206