# CURRICULUM VITAE
# LEONARD B. BACHARIER, M.D.

**DATE:** March 5, 2025

## PERSONAL DATA, ADDRESSES AND TELEPHONE NUMBERS:

Office: Monroe Carell Jr. Children's Hospital at Vanderbilt
2200 Children's Way
11205 Doctor's Office Tower
Nashville, TN 37232
Phone: (615) 322-2632

E-mail: leonard.bacharier@vumc.org

## EDUCATION:

**College:** The Johns Hopkins University (Baltimore, MD), B.A., 1988 (Biophysics - General and Department Honors)

**Professional:** Washington University School of Medicine (St. Louis, MO), M.D., 1992

**Postgraduate Training:**

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|---|---|
| 1992-95 | Internship and Residency in Pediatrics, St. Louis Children's Hospital, St. Louis, MO |
| 1995-98 | Fellowship in Pediatric Allergy and Immunology, Children's Hospital, Boston, and Harvard Medical School, Boston, MA |

## LICENSURE AND CERTIFICATION:

Full licensure, State of Tennessee, 2020-present (61834)
Full licensure, State of Missouri, 1998-2021 (MD 101013)
Diplomate, American Board of Allergy and Immunology, August 1997, Recertified 2006
Diplomate, American Board of Pediatrics, October 1996, Recertified 2002
Diplomate, National Board of Medical Examiners, July 1993

## ACADEMIC APPOINTMENTS:

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|---|---|
| 7/92 - 6/95 | Assistant in Pediatrics, Washington University School of Medicine, St. Louis, MO |
| 7/95 - 6/98 | Clinical Fellow in Pediatrics, Harvard Medical School, Boston, MA |
| 7/98 - 12/00 | Instructor in Pediatrics and Medicine, Washington University School of Medicine, St. Louis, MO |

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| 1/01 - 8/05 | Assistant Professor of Pediatrics, Washington University School of Medicine, St. Louis, MO |
| 9/05 - 6/11 | Associate Professor of Pediatrics, Washington University School of Medicine, St. Louis, MO |
| 10/06 – 7/20 | Clinical Director, Division of Allergy, Immunology, and Pulmonary Medicine, Department of Pediatrics, Washington University School of Medicine, St. Louis, MO |
| 7/11 – 7/20 | Professor of Pediatrics and Medicine, Washington University School of Medicine, St. Louis, MO |
| 8/13 – 7/20 | Unit Co-Leader, Patient Oriented Research Unit, Department of Pediatrics, Washington University School of Medicine, St. Louis, MO |
| 6/15 – 7/16 | Harvey R. Colten, MD Scholar in Pediatrics, Washington University School of Medicine, St. Louis, MO |
| 7/16 – 7/17 | Donald Strominger Professor of Pediatrics, Washington University School of Medicine, St. Louis, MO |
| 7/17 – 7/20 | Robert C. Strunk Endowed Chair for Lung and Respiratory Research, Washington University School of Medicine, St. Louis, MO |
| 8/20 – present | Professor of Pediatrics, Vanderbilt University Medical Center, Nashville, TN |
| 8/20 – present | Scientific Director, Center for Clinical and Translational Research, Vanderbilt University Medical Center, Nashville, TN |
| 8/20 – present | Director, Center for Pediatric Asthma Research, Vanderbilt University Medical Center, Nashville, TN |
| 8/20 – present | Section Chief, Pediatric Allergy and Immunology, Department of Pediatrics, Vanderbilt University Medical Center, Nashville, TN |
| 6/21 – present | Janie Robinson and John Moore Lee Chair in Pediatrics, Vanderbilt University Medical Center, Nashville, TN |

**HOSPITAL APPOINTMENTS:**

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| 7/98 – 7/20 | Attending physician, St. Louis Children's Hospital |
| 8/20 – present | Attending physician, Monroe Carell Jr. Children's Hospital at Vanderbilt |

**PROFESSIONAL ACTIVITIES:**

**INTRAMURAL:**

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|---|---|
| 7/92-6/95 | Housestaff Education Committee, St. Louis Children's Hospital, St. Louis, MO |
| 7/98-7/20 | Asthma Education Committee, St. Louis Children's Hospital, St. Louis, MO |
| 7/98-7/20 | Pediatric Residency Applicant Review Committee, St. Louis Children's Hospital, St. Louis, MO |
| 6/99-2007 | Curriculum Education Committee II, Washington University School of Medicine, St. Louis, MO |
| 6/99-2007 | Coursemaster, Introduction to Clinical Medicine – Pediatrics, 2nd Year Class, Washington University School of Medicine, St. Louis, MO |
| 6/00-2002 | Module Director, Scientific Foundations of Translational Research – Asthma, Masters of Science in Clinical Investigation Program, Washington University School of Medicine, St. Louis, MO |

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| 7/02-7/20 | Member, General Clinical Research Center Advisory Committee, Washington University School of Medicine, St. Louis, MO |
| 10/03-5/13 | Member, Human Studies Committee/Institutional Review Board, Washington University School of Medicine, St. Louis, MO |
| 6/05-6/06 | Member, Jerome and Carol Loeb Teaching Fellows Selection Committee, Washington University School of Medicine, St. Louis, MO |
| 3/06-9/06 | LCME Self-Study Institutional Setting & Governance Committee, Washington University School of Medicine, St. Louis, MO |
| 3/08-5/13 | Vice Chair, Human Studies Committee/Institutional Review Board New Protocol Committee 03A, Washington University School of Medicine, St. Louis, MO |
| 5/09-5/13 | Member, Disclosure Review Committee, Washington University School of Medicine, St. Louis, MO |
| 1/09 –12/14 | Chair, Pediatric Residency Program Ranking Committee (Midwest Applicants), Washington University School of Medicine and St. Louis Children's Hospital, St. Louis, MO |
| 8/16 – 7/20 | Chair, Institutional Conflict of Interest Review Committee, Washington University School of Medicine, St. Louis, MO (Member 8/16-7/17) |
| 7/21 – present | Member, Department of Pediatrics Faculty Appointments and Promotions Committee, Vanderbilt University Medical Center, Nashville TN |

**EXTRAMURAL:**

**STUDY SECTIONS:**

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| 4/09 – 12/09 | American Institute of Biological Sciences (AIBS), US Army Medical Research and Materiel Command (USAMRMC) Peer Reviewed Medical Research Program. |
| 2/12 – 6/17 | National Institutes of Health - Infectious Diseases, Reproductive Health, Asthma and Pulmonary Conditions (IRAP) Study Section (ad hoc member 2/12-5/13, permanent member 6/13-6/17). |
| 2/13 – present | American Lung Association Peer Review Committee |
| 11/16 | National Institutes of Health - Consortium for Food Allergy Research: Leadership Center (UM2) and Consortium for Food Allergy Research: Clinical Research Units (UM1) |
| 3/18 | National Institutes of Health - NIAID Clinical Trial Planning Grant (R34) and Implementation Cooperative Agreement (U01) Special Emphasis Panel (ZAI1 LAR-I (M1) |
| 7/18 | National Institutes of Health – NHLBI Secondary Analyses of Existing Datasets in Heart, Lung, and Blood Diseases and Sleep Disorders (R21) Special Emphasis Panel (ZRG1 PSE-A (55) R) |
| 2/19 | National Institutes of Health - Member Conflict: Epidemiology Special Emphasis Panel (ZRG1 PSE-K (02) M) |
| 12/19 | National Institutes of Health, NIAID - Atopic Dermatitis Research Network – Clinical Research Centers (ZAI1 LAR-I (J2)) |
| 10/20 | National Institutes of Health/Department of Veterans Affairs - COVID-19 Clinical Trial Accelerated Review (ZRD1 CSDR-Y (01)) |
| 2/23 - present | Scientific Grant Review Committee, American Thoracic Society |

**FEDERAL COMMITTEES:**

6/22 – 6/26 Member, FDA Pulmonary-Allergy Drugs Advisory Committee

**PRIVATE ORGANIZATIONS AND PROFESSIONAL SOCIETIES:**

2023 – present Member, Collegium International Allergologicum (CIA)
2016 – present Member, Science Committee, Global Initiative for Asthma (GINA)
2015 – present Elected Member, American Pediatric Society
2015 – present American Board of Allergy and Immunology
Director, 2015 – 2021
Vice Chair, 2019
Chair, 2020
Emeritus Director, 2022-present
Liaison to ABMS Continuing Certification Committee (3C), 2022-2023
1995 – present American Academy of Allergy, Asthma and Immunology
Fellow, American Academy of Allergy, Asthma and Immunology
Secretary/Treasurer, March 2025 - present
Annual Meeting Planning Committee
Vice Chair, 2018 – 2020
Chair, 2020 – 2022
Board of Directors, 2020 – 2024
Chair, Education Division, 2021 – 2022
Chair, Research and Training Division – 2023-2024
Chair, Practice, Diagnostics and Therapeutics Committee, March 2017- March 2020
Chair, Asthma Diagnosis and Treatment Interest Section, March 2017-March 2018
Vice Chair, Asthma Diagnosis and Treatment Interest Section, February 2015-March 2017
Secretary, Asthma Diagnosis and Treatment Interest Section, February 2013-February 2015
Chair, Workforce Committee, February 2014-December 2014
Chair, Workshops Committee for the Annual Meeting Planning Committee, March 2006-March 2010
Annual Meeting Planning Committee Executive Committee, March 2008-March 2010
Chair and Founding Member, New Allergist/Immunologist Committee, March 2002-March 2003
Chair, Pharmacotherapeutics Committee, March 2004-March 2005
Vice-Chair, Workforce Committee, March 2004-2013
2012 – present American College of Allergy, Asthma and Immunology
Fellow, American College of Allergy, Asthma and Immunology, 2012-present
2002 – present American Thoracic Society – Member, Pediatric Programming Committee
2006 – present Cystic Fibrosis Foundation – Member, Data Safety Monitoring Board

**EDITORIAL APPOINTMENTS:**

Associate Editor, The Journal of Allergy and Clinical Immunology – 2015 - Present

Editor, *Middleton's Allergy Principles and Practice*, 9th Edition – 2017 – 2020; 10th edition 2022 - Present
Editor, *Pediatric Allergy*, 4th Edition – 2018 - Present
Section Editor, Current Opinions in Allergy and Clinical Immunology, Pediatric Allergy and Asthma, 20062019
Associate Editor, Asthma Research and Practice – 2014-present
Guest Editor, Immunology and Allergy Clinics of North America, Issue on Pediatric Asthma, 2017-2019
Editorial Board, The Journal of Allergy and Clinical Immunology – 2010-2015
Editorial Board, The Journal of Allergy and Clinical Immunology: In Practice – 2012-2017
Faculty Member, Faculty of 1000 Medicine – 2010-present
Guest Editor, Immunology and Allergy Clinics of North America, Issue on Asthma Triggers, 2004-2005 (Published February 2005; Volume 25, Number 1)
Reviewer Board, The Journal of Allergy and Clinical Immunology, 2006-2010

**AD HOC REVIEWING:**

Reviewer, Allergy and Asthma Proceedings, 2012-present
Reviewer, Pediatric Asthma, Allergy and Immunology, 2010-present
Reviewer, Pediatric Pulmonology, 2010-present
Reviewer, British Medical Journal, 2009-present
Reviewer, The Journal of Allergy, 2009-present
Reviewer, The New England Journal of Medicine, 2008-present
Reviewer, Thorax, 2008-present
Reviewer, Canadian Medical Association Journal, 2008-present
Reviewer, Psychosomatic Medicine, 2008-present
Reviewer, Archives of Pediatrics and Adolescent Medicine, 2007-present
Reviewer, Annals of Emergency Medicine, 2007-present
Reviewer, Respiratory Medicine, 2005-present
Reviewer, American Journal of Respiratory and Critical Care Medicine, 2005-present
Reviewer, Journal of the American Medical Association, 2005-present
Reviewer, Journal of Clinical Outcomes Management, 2005-present
Reviewer, Pediatrics, 2004-present
Reviewer, Journal of Pediatrics, 2004-present
Reviewer, Archives of Diseases in Childhood, 2004-present
Reviewer, Allergy and Asthma Proceedings, 2003-present
Reviewer, Annals of Allergy Asthma and Immunology, 2002-present
Reviewer, The Journal of Allergy and Clinical Immunology, 2000-present
Reviewer, American Journal of Respiratory Cell and Molecular Biology, 1999
Reviewer, International Archives of Allergy and Immunology, 1998

**HONORS AND AWARDS:**

Raoul Wolf, MD Distinguished Lectureship, University of Chicago, January 9, 2025.
Philip Fireman Memorial Lecture, International Asthma Conference at Nemacolin, Nemacolin, PA, October 21, 2023.
AAAAI Foundation and Dr William and Judith H Busse Lectureship and Plenary Session, American Academy of Allergy, Asthma and Immunology Annual Meeting, Atlanta, GA, March 4, 2017.
The Richard Cushing Memorial Lecture, ALA of Minnesota, Minneapolis, MN, May 5, 2015.

Lester Mittelstaedt Lecture at the American College of Allergy, Asthma and Immunology Annual Scientific Meeting, Baltimore, MD, November 9, 2013.
Alpha Omega Alpha, Washington University School of Medicine, St. Louis, MO, 2013
2005 Samuel R. Goldstein Leadership Award in Medical Student Education, Washington University School of Medicine, St. Louis, MO
National Institutes of Health Pediatric Research Loan Repayment Award (2002-4, renewal 2004-6)
AAAAI Travel Grant, 1997 and 1998
ACAAI Travel Grant, 1996
The Distinguished Residents and Fellows Asthma Education Program, London, England, September 1996
Washington University Student Research Fellowship, Summer 1989

**TEACHING ACTIVITIES:**

**MEDICAL SCHOOL COURSES:**

6/99-6/07 Coursemaster – Introduction to Clinical Medicine - Pediatrics (Washington University School of Medicine)
Including annual lectures entitled:
"Introduction to Pediatric Clinical Medicine"
"The Pediatric History and Physical Exam"
"Evaluation of the Child with Recurrent Wheezing – Is it asthma?"

**CONTINUING MEDICAL EDUCATION (ALL LECTURES):**

"Severe and Difficult-to-Control Asthma: The Very Latest Guidance Evidence". American Academy of Allergy, Asthma and Immunology Annual Meeting, San Diego, CA, March 1, 2025.

"Childhood Asthma – Where are we now?" Raoul Wolf, MD Distinguished Lectureship, University of Chicago, January 9, 2025.

"Choosing SMART/AIR for Your Patient." American College of Allergy, Asthma and Immunology Annual Meeting, Boston, MA, October 28, 2024.

"The Comparative Efficacy and Safety Among Biologics, Macrolides and Thermoplasty for Severe or Difficult-to-Control Asthma. American College of Allergy, Asthma and Immunology Annual Meeting, Boston, MA, October 28, 2024.

"Is SMART Therapy a Thing for the Pediatric Asthmatic?". American College of Allergy, Asthma and Immunology Annual Meeting, Boston, MA, October 24, 2024.

"Biologic Therapies for Severe Asthma in Children." CAPP's 16th Annual Fighting Asthma Disparities Summit - Current Topics in the Pursuit of Asthma Health Equity, Children's Hospital of Philadelphia, Online Program, October 22, 2024.

"Severe asthma: when, which, and how to use biologics in children." 7º Congresso Internacional Sabará-PENSI de Saúde Infantil, Sao Paolo, Brazil, October 3, 2024.

"Bronchiolitis and factors related to the development of asthma in childhood." 7º Congresso Internacional Sabará-PENSI de Saúde Infantil, Sao Paolo, Brazil, October 3, 2024.

"ICS-containing reliever therapy." 10th Congreso Argentino de Neumonologia Pediatrica, Buenos Aires, Argentina, September 17, 2024.

"Preschool wheezing – a phenotype driven approach towards management." 10th Congreso Argentino de Neumonologia Pediatrica, Buenos Aires, Argentina, September 17, 2024.

"Severe asthma in children: diagnosis and management." 10th Congreso Argentino de Neumonologia Pediatrica, Buenos Aires, Argentina, September 18, 2024.

"Biologic therapies for severe asthma in children." 10th Congreso Argentino de Neumonologia Pediatrica, Buenos Aires, Argentina, September 18, 2024.

"ICS-SABA – Which Patients?" Eastern Allergy Conference, Palm Beach, FL, June 1, 2024.

"Childhood Asthma: Where Are We Now?" William E. Pierson Allergy Lecture, Seattle Children's Hospital Pediatric Grand Rounds, May 23, 2024.

"What is Disease Remission and is it Achievable for Children with Severe Asthma?" American Thoracic Society International Conference, San Diego, CA, May 20, 2024.

"Around the Horn – Asthma Management." American Academy of Allergy, Asthma and Immunology Annual Meeting, Washington, DC, February 23, 2024.

"What's New in NAEPP and GINA." British Society of Allergy and Clinical Immunology Annual Meeting, Virtual/Online Program, January 26, 2024.

"Where does ICS/SABA Fit in Asthma Management?" Presidential Plenary, American College of Allergy, Asthma and Immunology Annual Meeting, Anaheim, CA, November 11, 2023.

"Asthma Considerations in Children." Philip Fireman Memorial Lecture, International Asthma Conference at Nemacolin, Nemacolin, PA, October 21, 2023.

"Severe Asthma & The Role of ICS/Reliever in Childhood Asthma." Allergy/Immunology Grand Rounds (Virtual), University of Rochester, Rochester, NY, October 12, 2023.

"Childhood Asthma Management in 2023 – New Guidelines, New Therapies, and Recent Advances." Pediatric Grand Rounds (Virtual), NYU Langone School of Medicine, New York, October 3, 2023.

"Biologics and Severe Asthma in Children." XXVI World Congress on Asthma, Vancouver, BC, July 9, 2023.

"Biomarkers and Biologics in Childhood Asthma." Eastern Allergy Conference, West Palm Beach, FL, June 3, 2023.

"Severe Asthma and Biologics in Children." XVIII Chilean Congress of Pediatric Pulmonology, Santiago, Chile, May 6, 2023.

"Preschool Wheezing." XVIII Chilean Congress of Pediatric Pulmonology, Santiago, Chile, May 6, 2023.

"Asthma in 2023." Pediatric Allergy in a Nutshell CME Program, Nashville, TN, April 28, 2023.

"Biologics in the Management of Childhood Asthma." Allergy, Asthma and Immunology Society of South Carlina Annual Meeting, Charleston, SC, March 4, 2023.

"JACI: Year in Review – Biologics in Allergy & Immunology" American Academy of Allergy, Asthma and Immunology Annual Meeting, San Antonio, TX, February 25, 2023.

"Combination ICS/Formoterol as Reliever Therapy – NAEPP vs. GINA." New England Society of Allergy Annual Meeting, Portsmouth, NH, October 22, 2022.

"Biologics Medications in Childhood Asthma – What's New?" New England Society of Allergy Annual Meeting, Portsmouth, NH, October 22, 2022.

"Phenotype-Based Approach for the Management of Asthma Among Preschool Children." Sociedad Chilena de Neumología Pediátrica (Virtual), October 18, 2022.

"Childhood Asthma Management in 2022 – New Guidelines, New Therapies, and Recent Advances." Pediatric Grand Rounds, University of Pittsburgh Medical Center, Pittsburgh, PA, May 5, 2022.

"Phenotype-Based Approach for the Management of Asthma Among Preschool Children." Allergy and Immunology Conference (Virtual), Johns Hopkins School of Medicine, Baltimore, MD, April 2, 2022.

"Focused Update to the National Asthma Education and Prevention Program Guidelines." Cumberland Pediatric Foundation CME Series, Nashville, TN, March 24, 2022.

"Phenotype-Based Approach for the Management of Asthma Among Preschool Children." Pediatric Grand Rounds (Virtual), Maria Fareri Children's Hospital, New York Medical College, Valhalla, NY, March 23, 2022.

"Overview of Severe Asthma Management in Pediatrics." The Middle East Pediatric Pulmonology Summit (Virtual), Dubai, UAE, March 20, 2022.

"Management and Prevention of Virally Triggered Asthma Exacerbations." American Academy of Allergy, Asthma and Immunology Annual Meeting, Phoenix, AZ, February 28, 2022.

"Biologic Medications in Childhood Asthma." Celebration of Pediatric Pulmonology and Sleep, Scottsdale, AZ, February 19, 2022.

"Allergen Immunotherapy in the Management of Childhood Asthma." Celebration of Pediatric Pulmonology and Sleep, Scottsdale, AZ, February 18, 2022

"The Long-Term Consequences of Childhood Asthma." Western Society of Allergy Asthma and Immunology Annual Meeting, Maui, HI, February 7, 2022.

"Phenotype-Based Approach for the Management of Asthma Among Preschool Children." Western Society of Allergy Asthma and Immunology Annual Meeting, Maui, HI, February 7, 2022.

"Combination ICS/formoterol as reliever therapy in mild ("intermittent") asthma." American College of Allergy, Asthma and Immunology Annual Meeting, New Orleans, LA, November 7, 2021.

"Which Biologic to Choose for My Patient?" Chilean Pediatric Pulmonology Congress, Santiago, Chile (Virtual), October 19, 2021.

"FeNO in the Clinic." Allergy Conference, Vanderbilt University Medical Center, Nashville, TN, October 15, 2021.

"Asthma in the Yellow Zone – Management and Medication." Advances in Allergy & Asthma Webinar, Allergy and Asthma Network, September 23, 2021.

"Update on Treatment Approaches for Pediatric Asthma 2021." Pediatric Grand Rounds, Helen DeVos Children's Hospital, Grand Rapids, MI (Virtual), September 14, 2021.

"What's New in Childhood Asthma?" Allergy, Asthma and Immunology Foundation of Northern California Annual Meeting, San Francisco, CA, September 11, 2021.

"Evaluation of Severe Asthma." COLA Conferences Online, Kansas City, KS, September 10, 2021.

"Update on Treatment Approaches for Pediatric Asthma 2021." Florida Allergy Asthma and Immunology Society Annual Meeting, Orlando, FL, July 17, 2021.

"COVID-19 and its impact on asthma and allergic disorders." Florida Allergy Asthma and Immunology Society Annual Meeting, Orlando, FL, July 18, 2021.

"Which Biologic is Right for My Patient?" American Thoracic Society International Conference (Virtual) – May 19, 2021.

"Dupilumab Efficacy and Safety in Children with Uncontrolled Moderate-to-Severe Asthma." BREAKING NEWS: CLINICAL TRIAL RESULTS IN PULMONARY MEDICINE at American Thoracic Society International Conference (Virtual), May 17, 2021.

"Management Strategies Before Biologics and When to Consider Biologics." American Academy of Allergy, Asthma and Immunology Annual Meeting (Virtual), March 1, 2021.

"Phenotype-Based Approach for the Management of Asthma Among Preschool Children." American Academy of Allergy, Asthma and Immunology Annual Meeting (Virtual), February 26, 2021.

"Childhood Asthma Management in 2021 – Recent Advances and New Guidelines." Pediatric Grand Rounds, Monroe Carell Jr Children's Hospital at Vanderbilt, January 19, 2021.

"Update on Treatment Approaches for Pediatric Asthma 2020." Pediatric Grand Rounds, Texas Children's Hospital, Baylor College of Medicine, December 18, 2020 (Virtual).

"Biomarker Interpretations and How This Would Aid in Treatment Choice and Prognosis Prediction." American College of Allergy, Asthma and Immunology Annual Scientific Meeting, November 14, 2020 (Virtual)

"The Future Is Bright: Hopeful Options for Asthma." American College of Allergy, Asthma and Immunology Annual Scientific Meeting, November 14, 2020 (Virtual)

"GINA Versus NHLBI Asthma Guidelines: What are they both missing?" American College of Allergy, Asthma and Immunology Annual Scientific Meeting, November 15, 2020 (Virtual)

"Combination ICS/LABA Inhaler as Reliever Therapy: FDA vs New Guidelines". Eastern Allergy Conference, West Palm Beach, FL, August 16, 2020

"Assessing the Unmet Need for Current and Future Biologics in Pediatric Asthma Management". Eastern Allergy Conference, West Palm Beach, FL, August 16, 2020

"Exacerbation Prevention: What Works and What Doesn't?" American Academy of Allergy, Asthma and Immunology Annual Meeting, Virtual, June 2020.

"Reconciling differences in asthma guidelines" European Academy of Allergy and Clinical Immunology Annual Meeting, Virtual, June 8, 2020.

"Asthma exacerbations – why are they so difficult to prevent?" Vanderbilt Pediatric Research Conference, Nashville, TN, December 16, 2019.

"Current (and Future) Biologics in Pediatric Asthma." American College of Allergy, Asthma and Immunology Annual Scientific Meeting, Houston, TX, November 10, 2019.

"Treatment of asthma exacerbations in early life – the role of steroids and antibiotics." Allergy Grand Rounds, Winthrop Hospital/New York University, Mineola, NY, November 1, 2019.

"Severe preschool wheeze – when and how to treat." European Respiratory Society International Conference, Madrid, Spain, September 28, 2019.

"Severe asthma in children and adult – similarities and differences." Boston City Wide Allergy Conference, Massachusetts General Hospital, Boston, September 10, 2019.

"Update on treatment approaches for pediatric asthma 2019." Long Island Allergy and Asthma Society, Montauk, NY, July 7, 2019.

"Severe asthma in children." Long Island Allergy and Asthma Society, Montauk, NY, July 7, 2019.

"Update on treatment approaches for pediatric asthma 2019." Texas Allergy, Asthma and Immunology Society, Austin, TX, April 6, 2019.

"Asthma development in early life: Urban Environment and Childhood Asthma (URECA)." American Academy of Allergy, Asthma and Immunology Annual Meeting, San Francisco, CA, February 25, 2019.

"Evaluation of the pediatric patient with severe asthma." American Academy of Allergy, Asthma and Immunology Annual Meeting, San Francisco, CA, February 24, 2019.

"Antibiotics are effective therapy for the management of acute episodic wheeze in preschool children – PRO." American Academy of Allergy, Asthma and Immunology Annual Meeting, San Francisco, CA, February 23, 2019.

"Severe asthma in pediatrics." Allergy Grand Rounds, University of Washington, Seattle WA, February 19, 2019.

"Treatment of acute preschool wheeze – The role of steroids and antibiotics." Danish Society for Pediatric Allergy and Pulmonology, Kolding, Denmark, January 19, 2019.

"Network studies: Pulling it all together for Adults and Kids." Presidential Plenary Session, American College of Allergy, Asthma and Immunology Annual Scientific Meeting, Seattle, WA, November 17, 2018.

"PBL: An inner city child with uncontrolled asthma – learning to care for the underserved child & lost opportunities." American College of Allergy, Asthma and Immunology Annual Scientific Meeting, Seattle, WA, November 17, 2018.

"Severe asthma in children." Clinical Allergy for the Practicing Physician, St. Louis, MO, August 17, 2018.

"A 10 month old boy with moderately severe eczema (Problem Based Learning)." Eastern Allergy Conference, West Palm Beach, FL, June 2, 2018.

"Asthma phenotypes and implications for treatment in children." Eastern Allergy Conference, West Palm Beach, FL, June 1, 2018. "An 18 year old with frequent asthma exacerbations (Problem Based Learning)." Eastern Allergy Conference, West Palm Beach, FL, June 1, 2018.

"FeNO is useful in most patients with asthma (Pro/Con Debate)." Eastern Allergy Conference, West Palm Beach, FL, June 1, 2018.

"What phenotypes in childhood asthma emerge in association with disease severity?" American Thoracic Society International Conference, San Diego, CA, May 19, 2018.

"Therapeutics in pediatric severe asthma: Which biologic is right for my patient?" American Thoracic Society International Conference, San Diego, CA, May 19, 2018.

"Management of preschool recurrent wheezing and asthma: a phenotype-based approach." Pediatric Grand Rounds, Shands Hospital, University of Florida, Gainesville, FL, April 12, 2018.

"Evaluation of the pediatric patient with severe asthma." American Academy of Allergy, Asthma and Immunology Annual Meeting, Orlando, FL, March 3, 2018.

"How do childhood asthma phenotypes and disease severity develop?" American Academy of Allergy, Asthma and Immunology Annual Meeting, Orlando, FL, March 2, 2018.

"Management of preschool recurrent wheezing and asthma: a phenotype-based approach." Western Society of Allergy, Asthma & Immunology, Maui, HI, January 22, 2018.

"Episodic vs continuous use of inhaled steroids in preschool wheezing children." Western Society of Allergy, Asthma & Immunology, Maui, HI, January 24, 2018.

"Managing uncontrolled allergic asthma in children – targeting treatment by phenotype." Infectious Diseases in Children Symposium, New York, NY, November 19, 2017

"Asthma in preschool children – new therapeutic approaches." Pulmonary Research Conference, Boston Children's Hospital, Boston, MA, October 30, 2017.

"Managing severe asthma in adults and children – focus on biologics and phenotype-directed approaches." American College of Allergy, Asthma and Immunology Annual Scientific Meeting, Boston, MA, October 28, 2017.

"What determines the inception of childhood asthma?" American College of Allergy, Asthma and Immunology Annual Scientific Meeting, Boston, MA, October 27, 2017.

"Microbes and the role of antibiotic treatment for wheezy lower respiratory tract illness in preschool children." XLIV Congresso Brasileiro de Alergi e Imunologia, Belo Horizonte, Brazil, October 21, 2017.

"Management of preschool recurrent wheezing and asthma: a phenotype-based approach." XLIV Congresso Brasileiro de Alergi e Imunologia, Belo Horizonte, Brazil, October 22, 2017.

"Asthma in Preschool Children – New Therapeutic Approaches." Northwestern Feinberg School of Medicine Allergy-Immunology Research Conference, Chicago, IL, September 1, 2017.

"Intermittent ICS is the Preferred Management for Preschool Children with Intermittent Asthma – A Pro/Con Debate." American Thoracic Society International Conference, Washington, DC, May 21, 2017.

"Prenatal & Early Life Factors Impact on the Gut Microbiome and the Development of Asthma." World Allergy Organization Symposium: Hot Topics in Allergy: Pediatric and Regulatory Aspects, Rome, Italy, April 27, 2017.

"Hot Topics in Pediatric Asthma." American Academy of Allergy, Asthma and Immunology Annual Meeting, Atlanta, GA, March 6, 2017.

"Strategies for Asthma Prevention." ADT Interest Section Forum, American Academy of Allergy, Asthma and Immunology Annual Meeting, Atlanta, GA, March 5, 2017.

"Therapeutic Approach to Asthma Exacerbations." AAAAI Foundation and Dr William and Judith H Busse Lectureship and Plenary Session, American Academy of Allergy, Asthma and Immunology Annual Meeting, Atlanta, GA, March 4, 2017.

"Tailoring Treatment to Phenotype in Children with Mild to Moderate Asthma." Plenary Session, American College of Allergy, Asthma and Immunology Annual Scientific Meeting, San Francisco, CA, November 14, 2016.

"Managing Severe Asthma in Adults and Children." American College of Allergy, Asthma and Immunology Annual Scientific Meeting, San Francisco, CA, November 13, 2016.

"Preschool Asthma – Therapeutic Advances." Washington University Asthma and Airways Diseases Conference, St. Louis, MO, November 10, 2016.

"Therapeutic Advances in Preschool Asthma." Allergy Grand Rounds, University of Washington and Seattle Children's Hospital, Seattle, WA, October 12, 2016.

"The Role of Antibiotics for the Treatment of Pediatric Asthma Exacerbations." Clinical Allergy for the Practicing Physician, St. Louis, MO, August 5, 2016.

"Treatment Approaches to Preschool Wheezing Illnesses." American Academy of Allergy, Asthma, and Immunology Life Spectrum of Asthma Conference, Chicago, IL, July 29, 2016

"Preschool Exposures that Influence the Development of Asthma." American Academy of Allergy, Asthma, and Immunology Annual Meeting, Los Angeles, CA, March 7, 2016.

"Mechanisms of Severe Asthma in Children." American Academy of Allergy, Asthma, and Immunology Annual Meeting, Los Angeles, CA, March 6, 2016.

"Treatment Options for the Young Wheezers." American Academy of Allergy, Asthma, and Immunology Annual Meeting, Los Angeles, CA, March 5, 2016.

"Effective Treatment in Pediatric Asthma and Wheezing." Allergy, Asthma and Immunology Foundation of Northern California – Bridges to Understanding Allergy, Asthma & Immunologic Disorders Symposium, San Francisco, CA, February 20, 2016.

"Severe Asthma in Children." American College of Allergy, Asthma and Immunology Annual Scientific Meeting, San Antonio, TX, November 8, 2015.

"Controversies in the Wheezing Preschooler: New Studies." American College of Allergy, Asthma and Immunology Annual Scientific Meeting, San Antonio, TX, November 9, 2015.

"Potential Biomarkers for Predicting Asthma Exacerbations." Plenary Session, XXIV World Allergy Conference, Seoul, Korea, October 15, 2015.

"Severe Asthma in Children." XXIV World Allergy Conference, Seoul, Korea, October 15, 2015.

"Wheezing Phenotypes and Asthma in Childhood." XXIV World Allergy Conference, Seoul, Korea, October 15, 2015.

"Severe Asthma in Children." Eastern Allergy Conference, West Palm Beach, FL, May 30, 2015.

"The Path from RSV Bronchiolitis to Asthma." Pediatric Grand Rounds, University of California – San Diego and Rady Children's Hospital, San Diego, CA, May 29, 2015.

"Role of Azithromycin in Treating Preschool Wheezers." American Thoracic Society International Conference, Denver, CO, May 17, 2015.

"Severe Asthma in Children." LXIX Colegio Mexicano de Inmunología Clínica y Alergia (CoMICA), Guanajuato, Mexico, May 15, 2015.

"Omalizumab Use in Children." LXIX Colegio Mexicano de Inmunología Clínica y Alergia (CoMICA), Guanajuato, Mexico, May 15, 2015.

"Using the Yellow Zone Practice Parameters to Escalate Therapy." The Richard Cushing Memorial Lecture, ALA of Minnesota, Minneapolis, MN, May 5, 2015.

"The Evolution from Childhood Wheezing to Asthma." American Academy of Allergy, Asthma, and Immunology Annual Meeting, Houston, TX, February 24, 2015.

"Role of Azithromycin in Treating Preschool Wheezers." American Academy of Allergy, Asthma, and Immunology Annual Meeting, Houston, TX, February 23, 2015.

"Using the Yellow Zone Practice Parameters to Escalate Therapy." American Academy of Allergy, Asthma, and Immunology Annual Meeting, Houston, TX, February 22, 2015.

"Severe Asthma." American College of Allergy, Asthma and Immunology Annual Scientific Meeting, Atlanta, GA, November 8, 2014.

"Infections and the Immune Response in Asthma." XXI Congreso National Alergia, Asma y Inmulonogia Pediatrica, COMPEDIA – Mexican College of Pediatric Specialists in Clinical Immunology and Asthma, Mazatlan, MX, June 26, 2014

"Wheezing in Preschool Children – Are Corticosteroids Useful?" XXI Congreso National Alergia, Asma y Inmulonogia Pediatrica, COMPEDIA – Mexican College of Pediatric Specialists in Clinical Immunology and Asthma, Mazatlan, MX, June 26, 2014

"Severe Asthma in Children." XXI Congreso National Alergia, Asma y Inmulonogia Pediatrica, COMPEDIA – Mexican College of Pediatric Specialists in Clinical Immunology and Asthma, Mazatlan, MX, June 26, 2014

"Oral Corticosteroids for Acute Wheezing Episodes in Preschool Children – The OCELOT Trial – Lessons Learned." American Thoracic Society International Conference, San Diego, CA, May 19, 2014.

"The Path from RSV Bronchiolitis to Asthma." Pediatric Grand Rounds, Vanderbilt School of Medicine, Nashville, TN, May 13, 2014.

"Mild Asthma – Is Daily Therapy the Only Option?" Fifth Annual Pediatric Asthma Education Conference, Nashville, TN, May 13, 2014.

"Predicting Response to Asthma Treatment in Preschool Children." World Congress of Asthma, Mexico City, Mexico, March 29, 2014

"Treatment of Severe Asthma – Children are Not Little Adults." World Congress of Asthma, Mexico City, Mexico, March 29, 2014

"Role of Infective Agents in Asthma Development." World Congress of Asthma, Mexico City, Mexico, March 29, 2014

"What Roles Do Novel and Not-So Novel Medications Have in Treating Preschool Wheezers?" American Academy of Allergy, Asthma, and Immunology Annual Meeting, San Diego, CA, March 1, 2014.

"Viral Infections in Asthma – Inception and Exacerbation." 3rd Global Congress for Consensus in Pediatrics and Child Health, Bangkok, Thailand, February 15, 2014.

"Are We Ready for Phenotype Directed Therapy in Childhood Asthma?" 3rd Global Congress for Consensus in Pediatrics and Child Health, Bangkok, Thailand, February 15, 2014.

"The Role of the Innate Immune Response in Asthma: New Clinical Implications." Lester Mittelstaedt Lecture at the American College of Allergy, Asthma and Immunology Annual Scientific Meeting, Baltimore, MD, November 9, 2013.

"Intermittent Therapy." American College of Allergy, Asthma and Immunology Annual Scientific Meeting, Baltimore, MD, November 9, 2013.

"Wheezing in Preschool Children – Use of Continuous or Intermittent Inhaled Corticosteroids?" LXVII National Congress of the Mexican College of Clinical Immunology and Allergy, Acapulco, MX, August 9, 2013.

"Wheezing in Preschoolers – Role of Bacterial and Viral Pathogens in the Development of Asthma" LXVII National Congress of the Mexican College of Clinical Immunology and Allergy, Acapulco, MX, August 8, 2013.

"Determinants of Asthma Following Severe RSV Bronchiolitis in Early Life." Allergy Grand Rounds, New York Medical College, Valhalla, NY, June 21, 2013.

"Mild Asthma – Stepping up." American Thoracic Society International Conference, Philadelphia, PA, May 19, 2013.

"What Measurements to Use When Monitoring and Managing Pediatric Asthma and Why: What to Do If There is Discordance of Asthma Symptoms and Lung Function Testing." American Academy of Allergy, Asthma, and Immunology Annual Meeting, San Antonio, TX, February 22, 2013.

"Maintenance Steroids Should Be Used for Preschool Wheezers: Con." American Academy of Allergy, Asthma, and Immunology Annual Meeting, San Antonio, TX, February 23, 2013.

"Problem-Based Learning: The Intermittently Wheezing Infant." American Academy of Allergy, Asthma, and Immunology Annual Meeting, San Antonio, TX, February 26, 2013.

"Determinants of Asthma Following Severe RSV Bronchiolitis in Early Life." Allergy Grand Rounds, Brigham and Women's Hospital, Boston, MA, February 5, 2013.

"Asthma Following Severe RSV Bronchiolitis in Early Life." Pediatric Allergy Grand Rounds, Children's Hospital, Boston, MA, February 5, 2013.

"Management of Pediatric Severe Asthma." XXXIX Brazilian Allergy and Immunopathology Congress, Guaruja, Brazil, November 11, 2012.

"The Importance of Pediatric Asthma Genotyping." XXXIX Brazilian Allergy and Immunopathology Congress, Guaruja, Brazil, November 11, 2012.

"Pro: Intermittent Use of Inhaled Corticosteroids in Asthmatic Children." American College of Chest Physicians: CHEST 2012, Atlanta, GA, October 23, 2012.

"How to Apply the Results of the CARE Network Trials to Clinical Practice." Eastern Allergy Conference, West Palm Beach, FL, June 1, 2012

"Intermittent Therapy is an Appropriate (or at least a Reasonable Alternative) Treatment Strategy in Mild Asthma in Preschool Children." Eastern Allergy Conference, West Palm Beach, FL, June 1, 2012

"Treatment of Preschool Wheeze – Does Phenotype Matter?" American Thoracic Society International Conference, San Francisco, CA, May 22, 2012

"Therapeutic Approaches to Wheezing in Preschool Children: Remaining Questions and New Trials." American Thoracic Society International Conference, San Francisco, CA, May 20, 2012

"Long-acting beta-agonist Therapy in Children." 4th Annual Coughing, Sneezing and Wheezing Conference, Springfield, MO, April 21, 2012.

"Rethinking Childhood Asthma Management – Is daily therapy necessary for all? Does anti-GER therapy provide benefit?" Pediatric Grand Rounds, Washington University, St. Louis, MO, March 23, 2012

"The Evolution of Childhood Wheezing to Asthma." American Academy of Allergy, Asthma and Immunology Annual Meeting, Orlando, FL, March 3, 2012.

"Intermittent Therapy for Asthma." American College of Allergy, Asthma and Immunology Annual Meeting, Boston, MA, November 7, 2011.

"Evidence Based Treatment for Childhood and Adolescent Wheezing." Plenary Session, American College of Allergy, Asthma and Immunology Annual Meeting, Boston, MA, November 7, 2011.

"Step-down therapy from ICS/LABA – When and If to Do So." American College of Allergy, Asthma and Immunology Annual Meeting, Boston, MA, November 7, 2011.

"Pediatric Asthma – Challenging Existing Paradigms." Cincinnati Children's Hospital, Allergy Grand Rounds, October 4, 2011.

"Heterogeneity in the Management of Childhood Asthma." Texas Children's Hospital, Pulmonary Grand Rounds, June 24, 2011.

"Stepping Down Asthma Care – When? How?" Eastern Allergy Conference, Palm Beach, FL, June 3, 2011.

"Vitamin D Deficiency and Allergic Disease – A Clinically Important Link? A Potential Target for Disease Prevention and Modulation." Allergy, Asthma and Immunology Society of Georgia, Atlanta, GA, May 15, 2011.

"Maintenance vs. Intermittent Inhaled Steroids in Wheezing Toddlers." American Academy of Allergy, Asthma and Immunology Annual Meeting, San Francisco, CA, March 22, 2011.

"Risk Assessment for Allergic Complications During the Perioperative Period". American Academy of Allergy, Asthma and Immunology Annual Meeting, San Francisco, CA, March 20, 2011.

"Cough in Childhood – Causes and Approaches to Therapy." The First Global Congress for Consensus in Pediatrics & Child Health, Paris, France, February 19, 2011.

"Using Patient Characteristics to Individualize and Improve Asthma Care." The First Global Congress for Consensus in Pediatrics & Child Health, Paris, France, February 18, 2011.

"Preschool Asthma – How Should it be Treated?" American Academy of Pediatrics National Conference and Exhibition, San Francisco, CA, October 3, 2010.

"Role of Non-Steroid Treatments in the Treatment and Prevention of Asthma Exacerbations" 2nd International Conference on Exacerbations of Airway Disease, Miami, FL, April 17, 2010.

"Identifying Host Factors that Influence Treatment Response in Wheezing Infants and Preschool Children." American Academy of Allergy, Asthma and Immunology Annual Meeting, New Orleans, LA, March 1, 2010.

"Step Down Therapy in a Well-Controlled Asthmatic: What's Best?" American Academy of Allergy, Asthma and Immunology Annual Meeting, New Orleans, LA, March 1, 2010.

"Treatment of Virus Induced Wheezing and Asthma." American Academy of Allergy, Asthma and Immunology Annual Meeting, New Orleans, LA, February 27, 2010.

"The Young Child with Recurrent Wheezing – Approaches to Management." 46th Annual Meeting of the Japanese Society of Pediatric Allergy and Clinical Immunology, Fukuoka, Japan, December 6, 2009.

"Using Patient Characteristics to Individualize and Improve Asthma Care." Pediatric Grand Rounds, Washington University School of Medicine, September 25, 2009.

"Severe intermittent wheezing in preschool children – A distinct phenotype and therapeutic implications", Vanderbilt School of Medicine, Department of Pediatrics Research Conference, Nashville, TN, May 11, 2009.

"Risk factors for Pediatric Asthma." The Israel Association of Allergy and Clinical Immunology Annual Meeting, Jerusalem, Israel, December 3, 2008.

"Management of Severe Intermittent Asthma in Preschool Children." Pediatric Grand Rounds, Soroka University Medical Center, Beer-Sheva, Israel, December 1, 2008.

"Diagnosis and Treatment of Asthma in Childhood: A PRACTALL Consensus Report. Treatment Considerations." American Academy of Allergy, Asthma and Immunology Annual Meeting, Philadelphia, PA, March 18, 2008.

"Severe Intermittent Asthma – A Distinct Phenotype. Clinical and Therapeutic Challenges." Pediatric Grand Rounds, Washington University School of Medicine, January 4, 2008.

"What is (Childhood) Asthma?" Allergy Grand Rounds, Department of Internal Medicine, Washington University School of Medicine, November 29, 2007.

"Management Approaches for Severe Intermittent Asthma in Preschool Children." Allergy Grand Rounds, Rush College of Medicine, Chicago, IL, November 2, 2007.

"What Are The Unanswered Questions in Childhood Asthma?" Pediatrics Grand Rounds, University of Illinois – Chicago, Chicago, IL, November 2, 2007.

"Management Approaches for Severe Intermittent Asthma in Preschool Children." Pediatric Allergy Grand Rounds, Children's Hospital, Boston, February 6, 2007.

"Prevention of Early Childhood Asthma", Pediatric Pulmonology Grand Rounds, Children's Hospital, Boston, February 5, 2007

"Strategies for the Prevention of Childhood Asthma", Pediatric Grand Rounds, Virginia Commonwealth University, Richmond, VA, November 7, 2006

"Anti-IgE Therapy – Addressing an Unmet Need in Asthma Care", Pediatric Pulmonary Grand Rounds, Riley Children's Hospital, Indianapolis, IN, October 3, 2006.

"Acute Intervention Management Strategies", American Thoracic Society International Conference, San Diego, CA, May 21, 2006

"Acute Intervention Management Strategies", American Academy of Allergy, Asthma and Immunology Annual Meeting, Miami, FL, March 7, 2006

"Preventing Early Asthma in Kids – Is it possible?", Pediatric Allergy Grand Rounds, Children's Hospital, Boston, MA, January 31, 2006

"Indications and Use of Controller Medications in Preschool Children with Asthma" Kaiser-Permanente Annual National Asthma Conference, Pasadena, CA, October 8, 2005

"Preventing Early Asthma in Kids – Is it possible?", Pediatric Grand Rounds, Washington University School of Medicine, St. Louis, MO, July 15, 2005

"Measuring exhaled nitric oxide in young children with recurrent wheezing", American Academy of Allergy, Asthma and Immunology Annual Meeting, San Antonio, TX, March 18, 2005

"Management of infants with recurrent and chronic wheezing" , American Academy of Allergy, Asthma and Immunology Annual Meeting, San Antonio, TX, March 20, 2005

"Acute Bronchiolitis (or…Your child has bronchiolitis…I have some good news and some bad news)", Early Bird Rounds, St. Louis Children's Hospital, November 12, 2004

"Evidence Based Treatment of Acute Exacerbations of Asthma", Pennsylvania Allergy and Asthma Society Annual Meeting, Hershey, PA, June 27, 2004

"New Approaches to Asthma Therapy – Management of Severe Intermittent Asthma", Pediatric Grand Rounds, Penn State University, Hershey, PA, June 29, 2004

"Natural History of Childhood Asthma: Lessons from the CAMP Placebo Group", American Academy of Allergy, Asthma and Immunology Annual Meeting, Denver, CO, March 10, 2003

"Management of Bronchiolitis", Clinical Case Conference, St. Louis Children's Hospital, January 28, 2003

"Food Allergies – A Practical Approach to Diagnosis and Management", Early Bird Rounds, St. Louis Children's Hospital, April 27, 2001

"The Childhood Asthma Management Program – The Effects of Long-Term Use of Inhaled Corticosteroids in Children with Mild-to-Moderate Asthma", Pediatric Pulmonary Grand Rounds, Riley Hospital for Children, Indianapolis, IN, April 16, 2001

"The Childhood Asthma Management Program – The Efficacy and Safety of Inhaled Corticosteroids", Pediatric Grand Rounds, Arkansas Children's Hospital, Little Rock, AK, February 27, 2001.

"Asthma Therapy in the Year 2000 and Beyond", Early Bird Rounds, St. Louis Children's Hospital, St. Louis, MO, January 14, 2000

"Childhood Asthma Management Program (CAMP): Baseline Data on Correlates of Nocturnal Asthma and Hospitalization", Pediatric Grand Rounds, Washington University School of Medicine, St. Louis, MO, August 20, 1999

"Asthma Episodes Requiring Hospital Care: Atopic, Pulmonary Function and Psychological Correlates", American Thoracic Society International Conference, San Diego, CA, April 27, 1999

"X-Linked Hyper IgM Syndrome and the Role of CD40 Ligand in Immunity," Medical Grand Rounds, Children's Hospital, Boston, MA, October 8, 1997

"Update on the Diagnosis and Treatment of Asthma". Children's Hospital Department of Pharmacy, Boston, MA, June 25, 1997

**CLINICAL TEACHING:**

- Allergy & Clinical Immunology Clinic – supervision of medical students, residents, and fellows
- Inpatient Allergy & Clinical Immunology Consultation Service

**RESEARCH SUPERVISION:**

| Trainee Name | Predoc/Postdoc / Short term/Jr. Faculty | Start Date | End Date | Terminal Degree | Degree Year | Current Position/ Department/ Institution/Activity | Subsequent Grant(s)/ Role |
|---|---|---|---|---|---|---|---|
| Chiang, G | Fellow | 2007 | 2009 | MD | 2004 | Private Practice, Atlanta, GA | |

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|---|---|---|---|---|---|---|---|
| Sirajuddin, I | Fellow | 2007 | 2009 | MD | 2004 | Instructor in Pediatrics, University of Kansas | |
| Rivera-Spoljaric, K | Jr Faculty | 2004 | Present | MD, MSCI | 2001 | Associate Professor of Pediatrics, Washington University, St Louis | KM1 (PI) |
| Beigelman, A | Fellow, Jr Faculty | 2006 | Present | MD, MSCI | 1999 | Associate Professor of Pediatrics, Washington University, St Louis; Director, The Kipper Institute of Allergy and Immunology. Schneider Children's Medical Center of Israel, Tel Aviv University, Israel. | KL2, R01 (PI) |
| Ellis, A | Fellow, Jr Faculty | 2005 | Present | MD | 2005 | Associate Professor of Pediatrics, Washington University | |
| Horner, C | Jr Faculty | 2006 | Present | MD | 2006 | Associate Professor of Pediatrics, Washington University, St Louis | |
| Miller, N | Fellow | 2011 | 2012 | MD | 2008 | Private Practice, Louisville, KY | |
| Thatayatikom, A | Fellow | 2005 | 2007 | MD | 1990 | Clinical Associate Professor, University of Florida, Gainesville, FL | |
| Thatayatikom, S | Fellow | 2005 | 2007 | MD | 2002 | Clinical Assistant Professor, University of Florida, Gainesville, FL | |
| Kau, A | Jr Faculty | 2008 | Present | MD, PhD | 2005 | Assistant Professor of Medicine, Washington University School of Medicine | K08 (PI) |
| Leibel, S | Fellow | 2009 | 2011 | MD | 2006 | Assistant Professor of Pediatrics, U of California, San Diego | |
| Kicharoensakkul, M | Fellow, Jr Faculty | 2012 | Present | MD | 2005 | Assistant Professor of Pediatrics, Washington University | |
| Kwong, C | Fellow, Jr Faculty | 2015 | Present | MD | 2012 | Assistant Professor of Pediatrics, Washington University | |
| Coverstone, A | Fellow, Jr Faculty | 2012 | Present | MD | 2009 | Assistant Professor of Pediatrics, Washington University | |
| Polk, B | Jr Faculty | 2017 | Present | MD | 2012 | Assistant Professor of Pediatrics, Washington University | |
| Kanchongkittiphon, W. | Fellow | 2017 | 2019 | MD, PhD | 2011 | Instructor in Pediatrics, Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Thailand | |
| Iglesia, E | Jr Faculty | 2021 | Present | MD | | Instructor in Pediatics and Medicine, VUMC | |
| Rosas-Salazar, C | Jr Faculty | 2020 | Present | MD | | Assistant Professor in Pediatrics, VUMC | |

**RESEARCH PROGRAM:**

| Title | Sponsor | Total Costs | Start | End | Effort |
|---|---|---|---|---|---|
| Asthma Clinical Research Center (ACRC) | American Lung Association > KUMC | $ 100,000 | 7/1/99 | 6/30/19 | 5% |
| CARE NETWORK (U10HL064287) | NIH/NHLBI | $ 6,234,172 | 9/30/99 | 11/30/11 | 7% |

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|---|---|---|---|---|---|
| AIMS (M01RR000036) | NIH/NCRR | $ 153,033 | 4/1/05 | 3/31/06 | 0% |
| Randomized Trial: Maternal Vitamin D Supplementation to Prevent Childhood Asthma (VDAART) Clinical Coordinating Center (R01HL091075) | NIH/NHLBI | $ 4,297,391 | 3/1/09 | 4/30/20 | 10% |
| DATA COORDINATING CENTER FOR THE NHLBI ASTHMA NETWORK (ASTHMANET) (U10HL098115) | NIH/NHLBI > Pennsylvania State | $ 240,831 | 9/30/09 | 6/30/18 | 3% |
| Washington University AsthmaNet (U10 HL098098) | NIH/NHLBI | $ 9,036,192 | 9/30/09 | 6/30/18 | 8% |
| DETERMINANTS OF ASTHMA FOLLOWING RSV BRONCHIOLITIS IN EARLY LIFE (RBEL) (R01HL092486) | NIH/NHLBI | $ 5,900,186 | 7/1/10 | 6/30/12 | 4% |
| Severe Asthma Research Program (SARP) – Washington University (U10 HL109257) | NIH/NHLBI | $ 3,796,357 | 8/8/11 | 5/31/19 | 4% |
| Preference and Effectiveness of Symptom Based Adjustment of Inhaled Corticosteroid Therapy | PCORI | $ 310,805 | 2/1/14 | 1/31/17 | 3% |
| ICAC 3 (UM1AI114271) | NIH/NIAID > University of Wisconsin | $ 7,904,973 | 8/5/14 | 7/31/21 | 19% |
| Upper Respiratory Tract and Fecal Microbiomes and Recurrent Wheezing Following RSV Bronchiolitis (PD-II-2015-476) | Children's Discovery Institute | $ 450,000 | 2/1/15 | 1/31/19 | 3% |
| Vitamin D to Prevent Severe Asthma Exacerbations in High-Risk Children – CCC (U01HL119952) | NIH > Pittsburgh | $ 657,251 | 6/15/15 | 5/31/20 | 1% |
| AsthmaNet Ancillary Study (R01HL123385) | NIH/NHLBI > University of Colorado | $ 15,855 | 7/1/15 | 7/31/17 | 0% |
| Azithromycin to Prevent Recurrent Wheezing Following Severe RSV Bronchiolitis (R01HL130876) | NIH/NHLBI | $ 2,777,129 | 5/1/16 | 2/28/21 | 5% |
| ORBEX: Primary Prevention of Asthma and Wheezing in Children-CCC (U01HL130045) | NIH/NHLBI > University of Arizona | $ 3,092,848 | 5/4/16 | 4/30/21 | 10% |
| CONTROLLING AND PREVENTING ASTHMA PROGRESSION AND SEVERITY IN KIDS (CASK) PARK (U01AI126614) | NIH/NIAID > Boston Children's Hospital | $ 708,349 | 7/20/16 | 6/30/23 | 9% |
| Systems Biology of Airways Disease (P01HL132825) | NIH/NHLBI | $ 243,160 | 9/1/16 | 7/31/19 | 3% |
| CHILDREN'S RESPIRATORY AND ENVIRONMENTAL WORKGROUP (CREW) (UG3OD023282) | NIH/OD > University of Wisconsin | $ 1,458,153 | 9/21/16 | 8/31/23 | 12% |

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| MULTI-OMIC APPROACHES TO MECHANISMS OF VITAMIN D, ENVIRONMENTAL INFLUENCES, AND THE MICROBIOME ON ASTHMA (VDAART ECHO) (UG3OD023268) | NIH/OD > Brigham and Women's Hospital | $ 1,059,880 | 9/21/16 | 8/31/23 | 1% |
| ECHO Coordinating Center (U2COD023375) | NIH/OD > Duke University | $ 23,550 | 6/1/19 | 8/31/20 | 0% |
| University of Kansas' Precision Biologic Interventions for Severe Exacerbation Prone Asthma (PRECISE) Clinical Center (UG1HL139119) | NIH/NHLBI > KUMC | $ 38,751 | 9/1/19 | 6/30/23 | 5% |
| Airways Clinical Research Center (Y8C000K0) | American Lung Association > KUMC | $ 15,632 | 9/16/19 | 6/30/20 | 5% |
| Human epidemiology and response to SARS-CoV2 (HEROS) (3UM1AI114271-06S1) | NIH/NIAID > University of Wisconsin | $ 54,834 | 4/30/20 | 7/31/20 | 10% |

**PUBLICATIONS AND PRESENTATIONS:**

**Articles in refereed journals:**

1. **Bacharier LB**, Jabara H, Geha RS. Molecular mechanisms of IgE regulation. International Archives of Allergy and Immunology 1998;115:257-69.

2. **Bacharier LB**, Geha RS. Regulation of IgE synthesis: the molecular basis and implications for clinical modulation. Allergy and Asthma Proceedings 1999;20:1-8.

3. Zeiger RS, Dawson C, Weiss S for the Childhood Asthma Management Program (CAMP) Research Group (**Bacharier LB**, Co-investigator). Relationships between duration of asthma and asthma severity among children in the Childhood Asthma Management Program (CAMP). J Allergy Clin Immunol 1999;103:37687.

4. Childhood Asthma Management Program Research Group (**Bacharier LB**, Co-investigator). Recruitment of participants in the Childhood Asthma Management Program (CAMP). I. Description of Methods. J Asthma 1999;36:217-37.

5. Nelson HS, Szefler SJ, Jacobs J, Huss K, Shapiro G, Sternberg AL for the Childhood Asthma Management Program (CAMP) Research Group (**Bacharier LB**, Co-investigator). The relationships among environmental allergen sensitization, allergen exposure, pulmonary function, and bronchial hyperresposiveness in the Childhood Asthma Management Program. J Allergy Clin Immunol 1999;104:775-85.

6. Morio T, Hanissian SH, **Bacharier LB**, Teraoka H, Nonoyama S, Seki M, Kondo J, Nakano H, Lee SK, Geha RS, Yata J. Ku in the cytoplasm associates with CD40 in human B cells and translocates into the nucleus following incubation with IL-4 and anti-CD40 mAb. Immunity 1999;11(3):339-48.

7. **Bacharier LB**, Geha RS. Molecular mechanisms of IgE regulation. J Allergy Clin Immunol 2000; 105:S547-58.

8. Annett RD, Aylward EH, Lapidus J, Bender BG, DuHamel T for the Childhood Asthma Management Program (CAMP) Research Group (**Bacharier LB**, Co-investigator). Neurocongnitive functioning in children with mild and moderate asthma in the Childhood Asthma Management Program. J Allergy Clin Immunol 2000;105:717-24.

9. Weiss ST, Van Natta ML, Zeiger RS for the Childhood Asthma Management Program (CAMP) Research Group (**Bacharier LB**, Co-investigator). Relationships between increased airway responsiveness and asthma severity in the Childhood Asthma Management Program. Am J Respir Crit Care Med 2000;162:5056.

10. The Childhood Asthma Management Program Research Group (**Bacharier LB**, Co-investigator). Longterm effects of budesonide or nedocromil in children with asthma. N Engl J Med 2000;343:1054-63.

11. **Bacharier LB**, Strunk RC. Vocal cord dysfunction: A practical approach. J Respir Dis Pediatrician 2001;3:42-48.

12. Weiss ST, Horner A, Shapiro G, Sternberg AL for the Childhood Asthma Management Program (CAMP) Research Group (**Bacharier LB**, Co-investigator). The prevalence of environmental exposure to perceived asthma triggers in children with asthma: Data from the Childhood Asthma Management Program (CAMP). J Allergy Clin Immunol 2001;107:634-40.

13. Strunk RC, Sternberg AL, **Bacharier LB**, Szefler SJ for the Childhood Asthma Management Program Research Group. Nocturnal awakening due to asthma in children with mild to moderate asthma in the Childhood Asthma Management Program. J Allergy Clin Immunol 2002; 110:395-403.

14. Kelly HW, Strunk RC, Donithan M, Bloomberg GR, McWilliams BC, Szefler S for the Childhood Asthma Management Program Research Group (**Bacharier LB**, Co-investigator). Growth and bone density in children with mild-moderate asthma: A cross-sectional study in children entering the Childhood Asthma Management Program (CAMP). J Pediatr 2003;142:286-91.

15. Brodeur SR, Angelini F, **Bacharier LB**, Blom AM, Mizoguchi E, Fujiwara H, Plebani A, Notarangelo LD, Dahlback B, Tsitsikov E, Geha RS. C4b-binding protein (C4BP) activates B cells through the CD40 receptor. Immunity 2003;18:837-48.

16. **Bacharier LB**, Dawson C, Bloomberg G, Bender B, Wilson L, Strunk RC for the Childhood Asthma Management Program Research Group. Hospitalization for asthma: Atopic, pulmonary function and psychological correlates among participants in the Childhood Asthma Management Program. Pediatr 2003; 112:e85-e92.

17. **Bacharier LB** and Strunk RC. Pets and Childhood Asthma – How Should the Pediatrician Respond to New Information that Pets May Prevent Asthma? Pediatr 2003;112: 974-976.

18. Chen E, Fisher EB, **Bacharier LB**, Strunk RC. Socioeconomic status, stress, and immune markers in adolescents with asthma. Psychosomatic Med 2003; 65: 984-992.

19. **Bacharier LB**, Raissy HH, Wilson L, McWilliams B, Strunk RC, Kelly HW. The long-term effect of budesonide on hypothalamic-pituitary-adrenal axis function in children with mild to moderate asthma. Pediatr 2004; 113: 1693-1699.

20. Guilbert TW, Morgan WJ, Krawiec M, Lemanske RF Jr, Sorkness C, Szefler SJ, Larsen G, Spahn JD, Zeiger RS, Heldt G, Strunk RC, **Bacharier LB**, Bloomberg GR, Chinchilli VM, Boehmer SJ, Mauger EA, Mauger DT, Taussig LM, Martinez FD. The Prevention of Early Asthma in Kids study: design, rationale and methods for the Childhood Asthma Research and Education network. Control Clin Trials. 2004; 25(3):286-310.

21. **Bacharier LB**, Strunk RC, Mauger D, White D, Lemanske RF, Sorkness CA. Classifying Asthma Severity in Children – Mismatch Between Symptoms, Medication Use and Lung Function. Am J Repir Crit Care Med 2004; 170: 426-432.

22. Guilbert TW, Morgan WJ, Zeiger RS, **Bacharier LB**, Boehmer SJ, Krawiec M, Larsen G, Lemanske Jr. RF, Liu A, Mauger DT, Sorkness C, Szefler SJ, Strunk RC, Taussig LM, Martinez FD. Atopic Characteristics of Children with Recurrent Wheezing at High-risk for the Development of Childhood Asthma. J Allergy Clin Immunol 2004; 114:1282-7.

23. Bradley J, **Bacharier LB**, Bonfiglio J, Schechtman K, Strunk R, Storch G, Castro M. Severity of Respiratory Syncytial Virus Bronchiolitis is affected by Cigarette Smoke Exposure and Atopy. Pediatrics 2005; 115:e7-e12.

24. Szefler SJ, Phillips BR, Martinez FD, Chincilli VM, Lemanske RF, Strunk RC, Zeiger RS, Larsen G, Spahn JD, **Bacharier LB**, Bloomberg GR, Guilbert TW, Heldt G, Morgan WJ, Moss MH, Sorkness CA, Taussig LM for the Childhood Asthma Research and Education Network of the National Heart, Lung, and Blood Institute. Characterization of Within-Subject Responses to Fluticasone and Montelukast in Childhood Asthma. J Allergy Clin Immunol 2005: 115(2):233-42.

25. Raby BA, Van Steen K, Litonjua AA, Lange C, Weiss ST for the Childhood Asthma Management Program (CAMP) Research Group (**Bacharier LB**, Co-investigator). Paternal history of asthma and airway responsiveness in children with asthma. Am J Respir Crit Care Med 2005: 172:552-8.

26. Zeiger RS, Szefler SJ, Phillips BR, Schatz M, Martinez FD, Chinchilli VM, Lemanske RF Jr, Strunk RC, Larsen G, Spahn JD, **Bacharier LB**, Bloomberg GR, Guilbert TW, Heldt G, Morgan WJ, Moss MH, Sorkness CA, Taussig LM; for the Childhood Asthma Research and Education Network of the National Heart, Lung, and Blood Institute. Response profiles to fluticasone and montelukast in mild-to-moderate persistent childhood asthma. J Allergy Clin Immunol 2006;117(1):45-52.

27. Guilbert TW, Morgan WJ, Zeiger RS, Mauger DT, Boehmer SJ, Szefler SJ, **Bacharier LB**, Lemanske RF, Strunk RC, Allen DB, Bloomberg GR, Heldt G, Karwiec M, Larsen G, Liu AH, Chinchilli VM, Sorkness

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