

**CHITRA DINAKAR, MD, FAAP, FAAAAAI, FAAAAI**

Clinical Professor of Medicine, Stanford University  
 Clinical Chief, Allergy/Asthma & Immunodeficiency, Stanford Health Care  
 Division of Pulmonary, Allergy and Critical Care Medicine  
 Department of Medicine, Stanford University SOM  
 And by courtesy,  
 Clinical Professor, Pediatric Allergy and Immunology  
 Department of Pediatrics, Stanford University SOM

**EDUCATION/TRAINING:**

YEAR (s)	DEGREE	INSTITUTION	LOCATION	FIELD OF STUDY
1984-1990	MBBS (MD Equivalent)	Jawaharlal Institute of Post-Graduate Medical Education and Research (JIPMER)	Madras University, India	Medicine
1990-1993 (1992)	MD Pediatrics (Diploma in Child Health)	JIPMER	Pondicherry University, India	Pediatrics Residency (PL1-3)
1994-1996 (1996, 2003, 2013)	Board Certified (Recertification)	Metrohealth Medical Center, Case Western Reserve Univ.	Cleveland, Ohio	Pediatrics Residency (PL2, PL3)
1996-1999 (1999, 2009)	Board Certified (Recertification)	Cleveland Clinic Foundation	Cleveland, Ohio	Fellowship - Allergy, & Immunology (additional research year)

**LICENSES:**

Current: California. Inactive: Kansas, Missouri. Lapsed: Utah and Ohio

**POSITIONS / EMPLOYMENT:**

Clinical Professor, Stanford University School of Medicine, Jan 2017-present  
 Clinical Chief, Allergy/Asthma & Immunodeficiency, Stanford Health Care, 2017-present  
 And by courtesy, Clinical Professor, Pediatric Allergy/Immunology, Dept. of Pediatrics, Stanford Univ., 2019  
 Faculty Diversity Search Advisor, Stanford University School of Medicine, Jan 2019-present  
 Member, Clinician/Educator's Appointments and Promotions Committee, Stanford University DOM, 2018  
 Member, Maternal and Child Health Research Institute, 2018  
 Director, FARE Center of Excellence at Children's Mercy, Children's Mercy, Kansas City, MO, 2015- 2016  
 Staff Physician, Division of Allergy/ Immunology, Children's Mercy, Kansas City, MO, June 1999- Jan 2017  
 Professor, University of Missouri-Kansas City, Department of Pediatrics, 2009-Jan2017  
 Associate Professor, University of Missouri-Kansas City, Department of Pediatrics, 2005-2009  
 Assistant Professor, University of Missouri-Kansas City, Department of Pediatrics, 1999-2005  
 Fellow-in-training, Allergy/ Immunology, Cleveland Clinic Foundation, Cleveland, Ohio, 1996-1999  
 Pediatrics Residency, Metrohealth Medical Center, Cleveland, Ohio, 1994-1996  
 Chief Residency, Pediatrics, JIPMER, Pondicherry, India, 1993

**AWARDS:**

Jerome Glaser Distinguished Service Award, American Academy of Pediatrics, Section on Allergy/Immunology, 2019  
 Gies Foundation Endowed Faculty Scholar, Stanford Child Health Research Institute, 2017  
 Distinguished Service Award, Executive Member of the Section of A/I, American Academy of Pediatrics, 2017  
 Distinguished Fellow Award, American College of Allergy, Asthma and Immunology (ACAAI), 2016

## Curriculum vitae

Excellence in Service (for Distinguished Editorial Service), Missouri State Medical Association, 2016  
Woman in Allergy Award, American College of Allergy, Asthma and Immunology (ACAAI), 2015  
Acellus Teacher of the Year, International Academy of Science, 2015  
Recognition Award, American College of Allergy, Asthma and Immunology (ACAAI), Board of Regents, 2014  
Golden Apple Mercy Mentor Award, Children's Mercy Hospital, 2013  
Good Enough Leadership Award by the Women, Wisdom and Wine Group, Children's Mercy, 2013  
Kentucky Colonel awarded by Governor Steven L. Beshear, Commonwealth of Kentucky, 2013  
Award of Excellence by the American Association of Allergists & Immunologists of Indian Origin (AAAI), 2009  
Outstanding Faculty Abstract Award, American Academy of Pediatrics Section on Allergy and Immunology, 2005  
UMKC Elmer Pierson Good Teaching Award Nominee, Children's Mercy/UMKC, 2003  
Katherine B. Richardson Foundation Award, off-line collection of exhaled nitric oxide in toddlers with eczema, 2002  
Katherine B. Richardson Foundation Award, off-line exhaled nitric oxide in asthmatic children with ETS, 2002  
Clemens Von Pirquet Award, American College of Allergy, Asthma & Immunology, research abstract, 2000  
Fellows-in-training Research Award, American College of Allergy, Asthma & Immunology, 1997  
University Gold Medal, MD Pediatrics certifying examination (Board Certification) in JIPMER, India, 1993  
Gold Medal, MBBS certifying exam (MD equivalent), 1991  
Certificates of Distinction (A+ equivalent): Biochemistry, Anatomy, Physiology, Pharmacology, Pathology, Microbiology, Surgery, Obstetrics & Gynecology, Cardiology, 1984-89  
President of India's Merit Scholarship, Madras University, India (1984-90)

### **Mentee Awards:**

Clemens Von Pirquet Award, 3<sup>rd</sup> place, Fellow-in-Training mentee (Brooke Polk, MD), ACAAI Annual Meeting, 2015  
Institutional Research Day, 1<sup>st</sup> Place Award, Pediatric Resident mentee (Jill Hanson, MD), 2013  
Institutional Research Day, 2<sup>nd</sup> Place Award, Fellow-in-Training mentee (Tara Federly, MD), 2013  
American Academy of Pediatrics Section of A/I Abstract Award, Fellow-in-Training mentee (Tara Federly, MD), 2013  
Aerocrine Annual A/I Fellowship Award, Fellow-in-Training mentee (Sean Stanga, MD), 2011  
Institutional Research Day Award, 2<sup>nd</sup> Place Award, Fellow-in-Training mentee (Michael Lapuente, MD), 2002

### **HONORS:**

Board of Directors, American Academy of Allergy, Asthma and Immunology (AAAAI), 2017-2021  
Board of Directors, American Board of Allergy and Immunology (ABAI), 2016-2021  
Joint Task Force on Practice Parameters (JTFPP) Member, 2016-2021  
Mentor, Leadership Institute, AAAAI, 2017  
Executive Committee of the AAP Section of Allergy & Immunology, (AAP-SOAI), 2011-2017  
Allergy/Immunology Representative (ACAAI), Council of Pediatrics Subspecialties, 2015-2017  
Clinical Advisory Board Member, Food Allergy Research and Education (FARE), 2015-2016  
Board of Regents, American College of Allergy, Asthma and Immunology (ACAAI), 2011-2014  
Member, Joint ACAAI/AAAAI Workgroup, Interpretation of Exhaled Nitric Oxide for Clinical Applications, 2012-2013  
Dr. Kenneth Lee Gerson Visiting Professor Lectureship, University of Kentucky, Lexington, KY, 2013  
Elected Active Member, American Pediatrics Societies (APS), 2012-present  
AAAAI Pierson's Visiting Professorship, Emory University, Atlanta, GA, 2008  
Third Bioinformatics Summit, National Institutes of Health, Invited presenter, Bethesda, Maryland, 2008  
  
Fellow of the American Academy of Allergy, Asthma & Immunology (FAAAAI), 2003  
Fellow of the American College of Allergy, Asthma & Immunology (FACAAI), 2003  
Fellow of the American Academy of Pediatrics (FAAP), 2000

Best Doctors in America, 2007- present  
Best Doctors of Kansas City – 435 Magazine, 2013- 2017  
Kansas City Super Doctor, KC Magazine, 2007- 2017  
Consumer Research Council of America's 'Guide to America's Top Physicians,' 2006- 2015  
Consumer Research Council of America's 'Guide to America's Top Pediatricians,' 2004- 2015  
Marquis 'Who's Who in America,' 2005-2010

Most Influential Doctors, Qforma – USA Today, 2009

**EDITORIAL BOARD POSITIONS:**

World Allergy Organization Web Editorial Board, Regional Editor (USA), 2014-present  
Editorial Board, *Current Treatment Options in Allergy*, 2013-present  
Associate Editor, *Allergy Watch*, 2015-present; Editorial Board, *Allergy Watch*, 2012-present  
Chair, Joint AAAAI/ACAAI Task Force on Practice Parameters, *Yellow Zone Practice Parameter Workgroup*, 2011-14  
Editorial Board Member, *Missouri Medicine*, 2010-2016  
Editorial Board Member, *Annals of Allergy, Asthma and Immunology*, 2006-present  
Editorial Board Member, *Allergy and Asthma Proceedings*, 2005-present

**SCIENTIFIC REVIEWER:**

NIAID, PAR-16-272, Clinical Trial Planning Grant (R34), 2017  
NIAID, Special Emphasis, Panel R21: Exploratory Investigations in Food Allergy, 2008  
Grant Reviewer, National Children’s Research Center, Dublin, Ireland, 2013  
Reviewer, University of Missouri Pediatrics Institutional Review Board (IRB), 2003-2010  
National Institute of Allergy & Infectious Diseases (NIAID), Special Emphasis Panel R21, Food Allergy, 2009  
NIAID, Special Emphasis, Panel R21: Exploratory Investigations in Food Allergy, 2008  
NIAID Review Panel – RFA-A1-07-002 – Asthma and Allergic Diseases Cooperative Research Centers, 2007  
Grant Reviewer, European Respiratory Society regarding research fellowship application, 2007  
National Institutes of Health ZRG1 RES-E (10)B Small Business: Respiratory Sciences, 2006  
NIAID Review Panel-RFA A1-05-027-Asthma and Allergic Diseases Cooperative Research Centers, 2006  
Grant Reviewer, Thrasher Research Fund, 2003-2005  
Grant Reviewer, Children’s Mercy Hospital Basic Science Research Committee (BSRC), 2002-2003  
  
Annual Meeting Programming Committee, ACAAI, 2006-2015  
Abstract Review Committee, ACAAI, 2010-present  
Expert Panel, Pediatric Asthma Care in the Emergency Department, The Joint commission & Mount Sinai Collaboration to Advance Pediatric Quality Measures (CAPQuAM) project, 2012-2013  
Annual Meeting Programming Committee, AAAAI, 2007-2011  
Abstract Reviewer and Evaluator, AAAAI, 2004-2011  
ACAAI CME Committee, Reviewer of the Core Curriculum for the A/I Specialty, 2007  
Reviewer, Joint Task Force (ACAAI and AAAAI) Practice Parameter on Immunodeficiency, 2003-2005  
Reviewer and Co-Author for the AAAAI- ‘The Allergy Report’, 2002

**COURSES:**

Your Leadership Edge, KU Leadership Center 3-day Training Course on leadership development, Oct 22-24, 2014  
For the Common Good, KU Leadership Center, Leadership Development program, 2014-2015  
Future Leaders Development Program, American Academy of Allergy, Asthma and Immunology (AAAAI), 2001-2002  
Spanish for Health Care Professionals: Introductory 6 weeks course, UMKC, 2002  
Evidence Based Medicine Workshop, Children's Mercy, 2001

**LEADERSHIP:**

**International:**

Indo-US Health Care Summit, Expert Panel on asthma/allergy management, 2007-2008  
JIPMER (Pondicherry, India) Allergy and Asthma Educational Fellowship Advisory Board, 2004-2008  
Indian Academy of Allergy Annual Conference Planning Committee, 2004-2005

**National:**

**American Board of Allergy and Immunology (ABAI)**

**Board of Directors, 2016-2021**

**Secretary, 2016-2018**

Conjoint Standards Committee, 2018

**Joint Task Force on Practice Parameters (JTFFP)**

**JTFFP Member**, Develop and update A/I practice parameters 7/1/2016-7/1/2021.

**American Academy of Allergy, Asthma and Immunology (AAAAI)**

**Board of Directors, (2017-2021)**

Member, Research and Training Division (2017-2021)

Mentor, AAAAI Leadership Institute, 2017

Vice-Chair, Practice Diagnostics and Therapeutics Committee, AAAAI, 2011-2013

Chair, Health Outcomes, Education, Delivery and Quality Interest Section, AAAAI, 2009-2011

Chair, Interest Section Coordinating Committee, AAAAI, 2009-2011

Alternate Representative to the National Quality Forum, AAAAI, 2008

Research Trust (ART) Gala Committee, AAAAI, 2008-2009

Vice-Chair, Health Care Delivery, Education and Quality Interest Section, AAAAI, 2006-2008

Chair, International Health Care Delivery Committee, AAAAI, 2008

Annual Meeting Programming Committee, AAAAI, 2007-2011

Needs Assessment Task Force, AAAAI, 2006-2007

Chair, Women in AAAAI Committee (WIAC), AAAAI, 2007

Past-Chair, New Allergists Immunologists Assembly (NAIA), AAAAI, 2006-2007

Vice-Chair, International Health Care Delivery Committee (IHCDC), AAAAI, 2004-2007

Strategic Planning Initiative of the AAAAI: New Allergists Representative, AAAAI, 2006

Chair, New Allergist / Immunologists Committee (NAIC), AAAAI, 2005-2006

Vice-Chair, Women in AAAAI Committee (WIAC), AAAAI, 2005-2006

Chair, Task Force for Facilitating Access in Developing Countries of Inhaled Corticosteroids, AAAAI, 2004-2005

Symposia Representative, Health Care Delivery and Quality (HCDQ), AAAAI, 2003-2005

Co-Chair of the Mentor-Mentee Nationwide Project, (WIAC), AAAAI, 2003-2005

Education and Research Trust (ERT) Ambassador, AAAAI, 2002-2006

Secretary, Health Care Delivery, Education and Quality Interest Section, AAAAI, 2005-2007

**American College of Allergy, Asthma and Immunology (ACAAI)**

Telehealth Task Force Member, ACAAI, 2017-ongoing

Chair of the ACAAI Administrative Council, ACAAI, 2015-2017

Vice Chair, Appointments Committee, ACAAI, 2015-present

Chair, Credentials Committee, ACAAI, 2014-2015

Annual Meeting Programming Committee, ACAAI, 2006-2015

**Board of Regents**, ACAAI, 2011-2014

Joint ACAAI/AAAAI Workgroup, Interpretation of Exhaled Nitric Oxide for Clinical Applications, 2012-2013

Meet-the-Professor Breakfast Committee, ACAAI, 2007-2013

Co-Chair, Membership Recruitment Committee, ACAAI, 2011-2012; Member-present

Vice Speaker, House of Delegates, ACAAI, 2010-2011

Vice-Chair, Practice Guidelines Committee, ACAAI, 2010-2011

ACAAI/AAAAI Nominee to Secretary's Advisory Committee on Human Research Protections, 2009

Recording Secretary, ACAAI House of Delegates, 2007

ACAAI Delegate to the American Medical Association's (AMA) Young Physician Section, 2007-2008

**American Academy of Pediatrics (AAP):**

**Executive Committee of the AAP Section of Allergy & Immunology, (AAP-SOAI), 2011-2017**

Visiting Professor Program Chair, AAP-SOAI, 2011-2017

AAP PREP Self-Assessment Editorial Board, 2011-2014

AAP Section on Allergy & Immunology Task Force on Referral Guidelines, 2009

Advisory Board member, American Board of Pediatrics website, 2008  
Regional Liaison for the AAP Section of Allergy & Immunology (AAP-SOAI), 2003-2009

**American Pediatrics Societies (APS):**

Elected Active Member, APS, 2012-present

**Council of Pediatric Subspecialties (COPS):**

ACAAI Representative, Council of Pediatrics Subspecialties, 2015-2017

**Food Allergy Research and Education (FARE):**

Member, Clinical Advisory Board, 2015-2016

**American Pediatrics Societies (APS):**

Elected Active Member, APS, 2012-present

**Council of Pediatric Subspecialties (COPS):**

ACAAI Representative, Council of Pediatrics Subspecialties, 2015-2017

**Food Allergy Research and Education (FARE):**

Member, Clinical Advisory Board, 2015-2016

**Regional:**

**Missouri State Medical Association (MSMA):**

Alternate Delegate, IMG Section, Missouri State Medical Association (MSMA), 2002-2007

**Kansas City Metropolitan (Missouri & Kansas):**

Organizer, First Annual Allergy, Asthma & Immunology Update, Kansas City, MO, 2008

President, Greater Kansas City Allergy Society (GKCAS), 2007

President-Elect, Greater Kansas City Allergy Society (GKCAS), 2006-2007

Founder & Physician Sponsor, Food Allergy Patient Family Advisory Council, Children's Mercy, 2015-2016

Medical Advisory Board Member, Food Equality Initiative (FEI; Food Allergy Pantry), 2015-present

Physician Member, Center View, a Kansas City advocacy group for families of food allergies, 2015-2016

Sponsor, Food Allergy Research and Education (FARE) Kansas City Support Group, 2015-2016

Planning Committee Member, Kansas City FARE (Food Allergy Research and Education) Walk, 2015, 2016

Co-Faculty Advisor, Food Allergy Connection, a local food allergy support group, 2006-2008

Physician Sponsor, Kansas City Chapter of the Immunodeficiency Foundation, 2002-2004

School PTA Executive Board Member, Mill Creek Elementary School, Shawnee Mission School District, 2005-2008

Board of Directors, Shawnee Mission Education Foundation, 2008-2014

**PROFESSIONAL COMMITTEE MEMBERSHIPS: (NATIONAL AND REGIONAL)**

Credentials Committee, ACAAI, 2011-2015

Membership Recruitment Committee, ACAAI, 2010-2015

Practice Diagnostics and Therapeutics Committee, AAAAI, 2009-present

Quality and Adherence Committee, AAAAI, (formerly Adherence Committee), 2003-present

International Health Care Delivery Committee, AAAAI, 2011-2012

Practice Guidelines Committee, ACAAI, 2007-2013

International Health Care Quality and Delivery Committee, AAAAI, 2002-2011

Young Physicians Committee, ACAAI, 2002-2008

Basic and Clinical Immunology Committee, ACAAI, 2003-2008

Women in Allergy Committee, ACAAI, 2003-2014

Women in Allergy Committee, AAAAI, 1999-2008

## Curriculum vitae

American Association of Physicians of Indian Origin (AAPI), 2002-present

American Association of Allergists of Indian Origin (AAII), 1999-present

### **INSTITUTIONAL COMMITTEES:**

#### **Stanford University School of Medicine:**

Faculty Diversity Search Advisor, Stanford University School of Medicine, Jan 2019-present

Member, Clinician/Educator's Appointments and Promotions Committee, Stanford University DOM, 2018-

Member, Maternal and Child Health Research Institute, 2018-

#### **University of Missouri Kansas City**

Children's Mercy-Kansas University Pediatrics Search Committee for Chair of Division of General Pediatrics, 2014-2015

University of Missouri-Kansas City (UMKC) Medical School Faculty Promotion Council, 2007-2012

UMKC Pediatric Institutional Review Board (IRB), 2002-2010

UMKC Faculty Development Committee, 2002-2008

Faculty Sponsor, UMKC-Globe Med, a student-run organization to help recycle unused medical supplies to needy underdeveloped countries, 2004

Faculty Representative, Student Education and Action on Health Disparities National Conference, American Medical Students Association (AMSA), 2002

#### **Children's Mercy Hospital, Kansas City**

Children's Mercy-EMR Patient Portal Advisory Committee, 2014-present

Ambulatory Standards Work Group, Children's Mercy, 2011-2015

Planning Committee, Clinical Advances in Pediatrics Symposium (CAPS) 2014, 2013-2014

Compensation Committee, Children's Mercy, 2011-2012

Clinical Practice Guidelines on Asthma Committee, Children's Mercy, 2011-2013

Advisory Committee on Faculty Development, Children's Mercy, 2007-2010

Heartland Center for Infant Pulmonary Disorders, 2009

Strategic Planning Committee for Research Development, Children's Mercy, 2006

Residency Medical Education Committee, Children's Mercy, 2001-2008

Facilitator of Career Development Committee for Section of Allergy/Asthma Strategic Planning Initiative, 2002-2004

Transition to Adult Care Implementation Team, Children's Mercy, 2005-2007

Ad hoc CMH Quality Improvement Review Committee, 2006-2007

Committee for Improving Compliance with IRB and Office of Research Integrity Policies, Children's Mercy, 2006-2007

Graduate Medical Education Vision Subcommittee, Children's Mercy, 2004-2005

Residency Review Site Visit Faculty Team, Children's Mercy, 2005

Education, Clinical and Research Committees for the Section of Allergy Strategic Planning Initiative, 2002-2004

Career Development Committee, Children's Mercy, 2001-2005

Fellowship Education Committee, Children's Mercy, 2002-2005

Clinical Practice Guidelines on Asthma Task Force Review Committee, Children's Mercy, 2002-2005

Accreditation and Credentialing of Graduate Medical Education Committee (ACGME), Children's Mercy, 2002-2003

Resident Selection Committee, Children's Mercy, 2001-2003

Asthma Utilization Review Committee, Children's Mercy, 2001-2002

### **RESEARCH:**

#### **Patents/Licenses (pending):**

Stanford University Office of Technology Licensing Docket S17-213 - FOOD ALLERGY CONTROL TEST (FACT)<sup>TM</sup>

#### **Active Grants (Investigator Initiated/Extramural):**

2018-	Principal Investigator: Chitra Dinakar, MD <i>Allergy/Asthma/Food Allergy Studies in Individuals of Asian Descent (ASIAid)</i>	Funding: \$ 10,000 American Association of Allergists and Immunologists of Indian Origin (AAII). Unrestricted grant.
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Curriculum vitae

- 2017-2018 Principal Investigator: Chitra Dinakar, MD Funding : \$99, 234  
*Food Allergy Control Test (FACT): A validated instrument to assess* DBV Technologies.  
*food allergy control in individuals with food allergic disorders* Unrestricted grant.
- 2017- Principal Investigator: Chitra Dinakar, MD Funding: \$5000  
*Allergy/Asthma Research* Beeki Family Fund. Unrestricted grant/gift.

**Submitted (under review)**

- 2017 Clinical Core Lead, U 19 grant application #141681, 063-Core Funding: pending review  
 T Cell Reagent Research for Monitoring T Cells in Food Allergy Requested: 15% salary support

**On-Going Investigator-Initiated Research (Internally Funded):**

- 2017-ongoing Principal Investigator/Program Director: Chitra Dinakar, MD Mentee: Elizabeth Lippner, MD  
*Feasibility Survey for a Food Allergy Control Test Questionnaire* Funding: Internal
- 2014 -ongoing Co-Principal Investigators: Chitra Dinakar (Stanford/Kansas City), Ruchi Gupta (Chicago).  
*South Asian Food Allergy Survey.* Funding: Internal

**Completed Grants (Investigator Initiated/Extramural):**

2016	Principal Investigator/ Center Director: Chitra Dinakar, MD <i>Food Allergy Research Center: Kirk Family Foundation Grant</i>	Funding: \$25,000
2016	Principal Investigator/ Center Director: Chitra Dinakar, MD <i>Food Allergy Center of Excellence: Mabel &amp; Joseph Friedman Charitable Trust Grant</i>	Funding: \$23,000
2015-Dec 2016	Principal Investigator/ Center Director: Chitra Dinakar, MD <i>Food Allergy Research &amp; Education Clinical Network</i>	Funding: \$70,000 annually Renewed July 1, 2016 - June 30, 2017
2015-2016	Co-investigator: Chitra Dinakar, MD <i>Effect of multiple food allergies on growth and nutrition in young children: Prospective Study.</i>	Principal Investigator: Maya Nanda, MD Funding: Katharine B. Richardson Foundation Award (intramural). \$38,275 (Direct), \$129,000 (Indirect and Direct)
2015-2016	Co-investigator: Chitra Dinakar, MD <i>Chromosome 22q11.2 Deletion Syndrome Data Repository</i>	Principal Investigator: Nikita Raje, MD Funding: New Investigator Award (intramural). \$60,000 (Direct) + Cost share \$81,632 (Indirect)
2011-2016	Co-Investigator/Project Director: Chitra Dinakar, MD <i>The Role of Exhaled Nitric Oxide in Eosinophilic Esophagitis.</i>	Principal Investigator: Sean Stanga, MD Funding: Aerocrine 2011 A/I Fellowship Award \$25,000

- 2007-2015 UMKC-Site Principal Investigator (Pediatric): Chitra Dinakar *American Lung Association Clinical Research Network (ALA/ACRC).* UMKC-Site Principal Investigator (Adult): Gary Salzman, MD (UMKC)  
 Funding: 5% salary support
- 2012-2015 UMKC-Site Principal Investigator (Pediatric): Chitra Dinakar *ALA/ACRC Long-acting Beta Agonist Step Down Study (LASST)* UMKC-Site Principal Investigator (Adult): Gary Salzman, MD  
 Funding: (ALA): \$31,500
- 2013-2015 Co-investigator: Chitra Dinakar, MD Principal Investigator: Jay Portnoy, MD Funding: (KCALSI) \$50,000

## Curriculum vitae

*Pediatric Asthma Care by Telemedicine is Effective, Beneficial and Economical.* Kansas City Area Life Sciences Institute (KCALSI) Blue KC Outcomes Research Grant

2010-2013	UMKC-Site Principal Investigator (Pediatric): Chitra Dinakar ALA/ACRC / NHLBI funded multi-center, <i>Study of Asthma and Nasal Steroids (STAN)</i>	UMKC-Site Principal Investigator (Adult): Gary Salzman, MD (UMKC) Funding: (NIH) \$49,875
2008-2012	Co-Investigator: Chitra Dinakar, MD HUD Healthy Homes Demonstration Program Grant: <i>Healthy Homes Program.</i>	Principal Investigator: Jay Portnoy, MD Funding: (HUD) \$1,000,000. Funding ended in 2012; IRB protocol ongoing.
2007-2010	UMKC-Site Principal Investigator (Pediatric): Chitra Dinakar American Lung Association Clinical Research Network (ALA) / NIH R01 HL080433 (Teague) and R01 HL080450 (Holbrook) funded multi-center, <i>Study of Acid Reflux in Children with Asthma (SARCA).</i>	UMKC-Site Principal Investigator (Adult): Gary Salzman, MD (UMKC) Funding: (NIH) \$30,000
2003-2007	Co-Investigator: Chitra Dinakar, MD <i>Promoting effective supervision in asthma: A parent-youth teamwork intervention.</i>	Principal Investigator: Christina Adams, PhD Funding (intramural): \$15,000
2002-2004	Principal Investigator: Chitra Dinakar, MD <i>A pilot study to study the mean exhaled nitric oxide level in non-asthmatic children less than 3 years with and without atopic dermatitis.</i>	Funding: (Intramural) \$10,000
2001-2005	Co-Investigator: Chitra Dinakar, MD <i>CDC Intervention Take Action Against Asthma.</i>	Principal Investigator: Jay Portnoy, MD Funding: (CDC) \$350,000
2001-2004	Co-Investigator: Chitra Dinakar, MD <i>Pilot Study Comparing Interleukin-4 Production by Cd4+TCells and Exhaled Nitric Oxide Levels In Patients With Allergic Rhinitis Undergoing Rush versus Traditional Immunotherapy.</i>	Principal Investigator: Aubrey Ziegler, MD Funding: (Intramural) \$10,000
2001-2002	Principal Investigator: Chitra Dinakar, MD <i>Pilot study to determine the effect of passive tobacco exposure on exhaled nitric oxide levels.</i>	Funding:(Intramural) \$10,000
2000-2001	Co-Investigator: Chitra Dinakar, MD <i>A Randomized, Double-Blind, Placebo-Controlled, Crossover Trial of the Safety of Inactivated Influenza Vaccine in Adults and Children with Asthma.</i>	UMKC Site Principal Investigator: Gary Salzman, MD Funding: (ALA / ACRC / UMKC) \$23,511
1997-1999	Principal Investigator: Chitra Dinakar, MD <i>Effect of Nitric Oxide on IgE stimulated cytokine production by human alveolar macrophages and peripheral blood monocytes from normal individuals.</i>	Funding: (ACAAI Fellow-in-training Grant), \$10,000

### **Educational Grant:**

2006-2008	Designer and Editor: Chitra Dinakar, MD <i>'Ambulatory Diagnoses and Management of Immunodeficiency Disorders'</i> published in the <i>Annals of Allergy, Asthma &amp; Immunology.</i>	Funding: (Talecris Biotherapeutics) \$25,000
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### **Industry-Sponsored Studies (Principal Investigator) (Stanford (2017) and Children's Mercy Hospital (1999-2016):**

Peanut Allergy Oral Immunotherapy Study of AR101 For Desensitization in Children and Adults (PALISADE) Follow-On Study	Funding: (Alimmune)
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## Curriculum vitae

A Double-blind, Placebo-controlled, Randomized Phase III Pivotal Trial to Assess the Efficacy and Safety of Peanut Epicutaneous Immunotherapy with Viaskin® Peanut in Peanut-allergic children (PEPITES Study)	Funding: (DBV)
Peanut Allergy Oral Immunotherapy Study of AR101 for Desensitization in children and adults (the ARC001 study).	Funding: (Alimmune) \$219,190 (projected 10 subjects)
Infant Dose (AID) - A sonographic study to measure the distance between skin-to-bone in the anterolateral thigh of infants and toddlers weighing 7.5 kg to less than 15 kg using a modified xx Device.	Funding: (Sanofi Aventis) \$17,976
A Safety Study of Olopatadine Nasal Spray vs Placebo in children and adults ages 12 and older with the diagnosis of Perennial Allergic Rhinitis (PAR).	Funding: (Alcon/Novartis) \$83,904.22
A Randomized, Double-Blind, Parallel-group, Multi-Center Study of Albuterol Sulfate HFA Inhalation Aerosol Delivered Cumulatively with a Valved Holding Chamber and an Attached Facemask in Subjects Between Birth to 23 Months of Age with Acute Wheezing Due to Obstructive Airways Disease.	Funding: (GlaxoSmithKline) \$16,130
Safety and Efficacy Study of Two Dosage-Levels of Pulmicort® Respules™ (budesonide inhalation suspension, 0.5 or 1.0 mg/day) versus Placebo in Infants Between the Ages of Six and Twelve Months with Mild to Moderate Asthma.	Funding: (Astra Zeneca) \$14,500

### **Industry-Sponsored Studies (Co- Investigator) (Stanford 2017):**

Long-term Assessment of Safety and Therapeutic Benefit of VIASKIN Peanut Epicutaneous Treatment in Peanut-Allergic Children: A 6-Month Randomized, Phase III Study Followed by an Open Label Active Treatment (REALISE Study)	Funding: (DBV)
Placebo-Controlled Proof of Concept Study to Investigate ANB020 Activity in Adult Patients with Peanut Allergy	Funding: (AnaptysBio)
A phase IIa, Randomized, Double-blind, Placebo Controlled, Parallel Group Study to Assess the Safety and Efficacy of Subcutaneously Administered BI 655066/ABBV-066 as Add-on Therapy Over 24 Weeks in Patients With Severe Persistent Asthma	Funding: (Boehringer Ingelheim)
A Double-Blind, Placebo-Controlled Randomized Trial to Study the Viaskin Milk Efficacy and Safety for Treating IgE-Mediated Cow's Milk Allergy in Children (Miles Study)	Funding: (DBV)
A Double-blind, Placebo-controlled, Randomized Phase III Pivotal Trial to Assess the Efficacy and Safety of Peanut Epicutaneous Immunotherapy with Viaskin Peanut in Peanut-allergic children (PEPITES Study)	Funding: (DBV)
Dust mite Sublingual Therapy for allergic rhinitis	Funding: (Stallergenes Greer)
Milk Patch Efficacy and safety for treating IgE-mediated cow's milk allergy in children	Funding: (DBV)

**Co-Investigator** in over **50 multi-center pharmaceutical** industry-sponsored trials at Children's Mercy/UMKC (details later).

### **Completed Investigator-Initiated Research (Internally Funded):**

- 2014-2016 Co-investigator: Chitra Dinakar, MD Principal Investigator: Maya Nanda, MD  
*The Children's Mercy Hospital Allergy Immunology Repository (AIR).* Funding: Internal
- 2014-2016 Co-investigator: Chitra Dinakar, MD Principal Investigator: Maya Nanda, MD  
*Food Allergy and its Impact on Growth: Missouri WIC2014-present.* Funding: Internal
- 2014-2016 Co-investigator: Chitra Dinakar, MD Principal Investigator: Brooke Polk, MD  
*Co-sensitization patterns to tree nuts in a pediatric population.* Funding: Internal
- 2014-2016 Co-investigator: Chitra Dinakar, MD Principal Investigator: Jodi Shroba, APRN  
*Comparison of ara h2 in Household Dust of Peanut Allergic vs. Nonallergic Individuals* Funding: Internal
- 2012-2015 Co-Investigator/Project Director: Chitra Dinakar, MD Principal Investigator: Jill Hanson, MD  
*A Retrospective study of Exhaled Nitric Oxide (FeNO) in Children less than 7 years of age.* Funding: Internal  
1<sup>st</sup> Place Award Winner at the 2013 Institutional Research Day.
- 2014 Co-investigator: Chitra Dinakar, MD Principal Investigator: Jodi Shroba, APRN

## Curriculum vitae

- Retrospective analysis of open oral food challenges performed in a pediatric allergy clinic. Funding: Internal
- 2009-2014 Co-investigator: Chitra Dinakar, MD Principal Investigator: JC Cowden, MD  
*"Improving asthma control in asthma patients with low literacy"*. A pilot randomized controlled trial to see if an audiovisual intervention will improve asthma control in patients with low literacy levels. Funding: Internal
  - 2007-2014 Co-investigator: Chitra Dinakar, MD Principal Investigator: Howard Kilbride, MD  
*Pulmonary Function, Exercise Capacity and Activity Levels for Extremely Low-Birth-Weight Survivors in Later Childhood*.  
Role in project: exhaled nitric oxide measurements in these children. Funding: Internal
  - 2011-2013 Co-Investigator/ Project Director: Chitra Dinakar, MD Principal Investigator: Tara Federly, MD  
*Food Specific IgE Levels in Children should be interpreted in Context of Total IgE*. Funding: Internal  
2<sup>nd</sup> Place Award Winner at the 2013 Institutional Research Day.
  - 2010-2012 Co-Investigator/Project Director: Chitra Dinakar, MD Principal Investigator: Zachary Jacobs, MD  
*Relationship between Serum 25-Hydroxyvitamin D and Ig E from the NHANES 2005-2006*. Funding: Internal
  - 2010-2012 Co-Investigator/Project Director: Chitra Dinakar, MD Principal Investigator: Zachary Jacobs, MD  
*Quantitative increase in age-related IgE in United States Population: NHANES 2005-2006*. Funding: Internal
  - 2010-2012 Co-Investigator/Project Director: Chitra Dinakar, MD Principal Investigator: Rishika Motiani, MD  
*A survey to explore the types of food allergic reactions among individuals of Asian Indian Origin*. Funding: Internal
  - 2008-2010 Principal Investigator: Chitra Dinakar, MD  
*Study of the trends in Asthma Outcome Measures since adoption of the Asthma Control Tracker Web-Based Registry in routine ambulatory care*. Funding: Internal
  - 2008-2009 Principal Investigator: Chitra Dinakar, MD  
*Survey to Explore Physician Needs for Bioinformatics Resources in A/I Research and Clinical Care*. Funding: Internal
  - 2006-2009 Quality Improvement Team Leader: Chitra Dinakar, MD  
*Institution-wide implementation of the asthma control web-tracker*. Funding: Internal
  - 2006-2008 Quality Improvement Project Co-Team Leader: Chitra Dinakar, MD  
*Improving Safety and Quality of Care in Patients Prescribed Self-Injectable Epinephrine*. Funding: Internal
  - 2006-2007 Co-Investigator: Chitra Dinakar, MD Principal Investigator: Bridgette Jones, MD.  
*In vivo Functional Assessment of Histamine Pharmacogenomics in Children*. Funding: Internal
  - 2005-2006 Co-Investigator: Chitra Dinakar, MD Principal Investigator: Dinakarpandian, MD, PhD  
*Machine-Prose: A semantic framework for bridging medical and biological research*. Funding: Internal
  - 2005-2007 Co-Investigator: Chitra Dinakar, MD Principal Investigator: Dinakarpandian, MD, PhD  
*ASIF: A tool to facilitate evidence-based best practice in asthma* Funding: Internal
  - 2005-2007 Co-Investigator: Chitra Dinakar, MD Principal Investigator: Dinakarpandian, MD, PhD  
*OFA: A novel allergy-ontology-based, user-friendly, online medical literature search interface*. Funding: Internal
  - 2004-2005 Co-Investigator: Chitra Dinakar, MD Principal Investigator: Christina Adams, PhD  
*Relative effectiveness of pictorial and written asthma action plans in pediatric asthma*. Funding: Internal
  - 2004-2005 Principal Investigator: Chitra Dinakar, MD  
*A study to determine the perceptions and motivators of pre-adolescent asthmatics*. Funding: Internal
  - 2003-2005 Co-Investigator/Project Director: Chitra Dinakar, MD Principal Investigator: Minh-Thu N. Le, MD  
*Does early institution of an asthma action plan decrease the number of ER visits and hospitalizations in a population of Medicaid insured children?* Funding: Internal
  - 2003-2004 Co-Investigator/Project Director: Chitra Dinakar, MD Principal Investigator: Alyson Brimer, MD  
*Learning preferences of caregivers of asthmatic children*. Funding: Internal

### **PUBLICATIONS:**

#### **Peer-reviewed publications (in chronological order):**

1. **Dinakar C**, Lang DM, Fineman SM. Drug Allergy. *Ann Allergy Asthma Immunol*. 2019 Jul;123(1):112-114. PMID: 31255191.
2. Oppenheimer JJ, **Dinakar C**, Fineman SM, **Dinakar C**. Allergy Watch. *Ann Allergy Asthma Immunol*. 2019 Jun 24. pii: S1081-1206(19)30458-2. PMID: 31247305.
3. Fineman SM, Khan DA, **Dinakar C**. Race and Allergy. *Ann Allergy Asthma Immunol*. 2019 May;122(5):543-545. doi: 10.1016/j.anai.2019.02.008. Epub 2019 Feb 14. No abstract available. PMID: 30772388

4. Polk BI, **Dinakar C**. Management of acute loss of asthma control: yellow zone strategies. *Curr Opin Allergy Clin Immunol*. 2019 Jan 14. PMID:30649012
5. Lippner E., Sicherer SH, Land MH, Schatz M, **Dinakar C**. Needs Assessment Survey for a Food Allergy Control Tool. *J Allergy Clin Immunol Pract* 2018 Oct 11.PMID: 0317004.
6. Lang D, **Dinakar C**, Oppenheimer JO, Hernandez-Trujillo V, Fineman S. Penicillin Allergy. *Ann Allergy Asthma Immunol* 2018 Nov;121(5):637-639. PMID: 30389083
7. Maffucci P, Chavez J, Jurkiw TJ, O'Brien PJ, Abbott JK, Reynolds P, Worth AJJ, Felgentreff K, Cortes P, Boisson B, Radigan L, Cobat A, **Dinakar C**, Ehlal M, Ben-Omran T, Gelfand EW, Casanova JL, Cunningham-Rundles C. DNA LIG1 mutations: a spectrum of immune deficiencies. *J Clin Invest*. 2018 Nov 5. PMID: 30395541
8. Wood RA, Khan DA, Lang DM, Fasano MB, Peden DB, Busse PJ, Carter MC, Demain JG, **Dinakar C**, Grayson MH, Markovics SB, Sicherer SH, Stone KD, Sullivan KE, Williams PV, Fleisher TA, Casale TB. AAAAI Response to the EAACI/GA<sup>2</sup>LEN/EDF/WAO Guideline for the Definition, Classification, Diagnosis and Management of Urticaria 2017 Revision. *Allergy*. 2018 Oct 18.PMID:30338538
9. Fineman SM, Khan DA, **Dinakar C**, Lang DM, Tilles SA. Pharmacotherapy. *Ann Allergy Asthma Immunol*. 2018 Jul;121(1):22-23. PMID: 29777743
10. **Dinakar C**, Khan DA, Fineman SM, Lang DM, Tilles SA. Biologics. *Ann Allergy Asthma Immunol*. 2018 Apr; 120(4):354-356. PMID: 29625663
11. **Dinakar C**, Fineman SM, Chipps BE, Khan DA, Tilles SA. From the pages of allergywatch recent advances in our understanding of the environment's role in allergy. *Ann Allergy Asthma Immunol*. 2018 Mar 22. PMID: 29577979
12. Chipps BE, **Dinakar C**, Fineman SM, Tilles SA. Recent advances in asthma. *Ann Allergy Asthma Immunol*. 2018 Feb;120(2):128-130. PMID: 29413335
13. **Dinakar C**, Fineman SM, Tilles SA. Recent advances in atopic dermatitis. *Ann Allergy Asthma Immunol*. 2018 Jan;120(1):8-9. PMID: 29273133
14. Shreffler WG... **Dinakar C**, Fleischer DM, Kim E, Tilles SA, Spergel JM. The importance of reducing risk in peanut allergy: Current and future therapies. *Ann Allergy Asthma Immunol*. 2017 Dec 28. PMID: 29289463
15. Dykewicz MS, Wallace DV, Baroody F, ..., **Dinakar C**, et al. Treatment of seasonal allergic rhinitis: An evidence-based focused 2017 guideline update. *Ann Allergy Asthma Immunol*. 2017 Dec;119(6):489-511. PMID: 29103802.
16. Elliott T\*, Shih J\*, **Dinakar C**, et al. American College of Allergy, Asthma & Immunology (ACAAI) Position Paper on the Use of Telemedicine for Allergists. *Ann Allergy Asthma Immunol* 2017; 119(6):512-517. PMID:29103799
17. Shearer WT et al; [**Dinakar C**]. Section on Hematology/Oncology; Section of Allergy and Immunology. Cord Blood Banking for Potential Future Transplantation. *Pediatrics*. 2017 Nov;140(5). PMID: 29084832
18. Dinakarparandian DD, **Dinakar C**. Evaluating Proteins for Potential Allergenicity Using Bioinformatic Approaches. *Ann Allergy Asthma Immunol*. 2017 Sep;119(3):197-198. doi: 10.1016/j.anai.2017.06.020. PMID: 28890013
19. Lin C, Lee IT, SampathV, **Dinakar C**, DeKruyff RH, Schneider LC, Nadeau K. Combining anti-IgE with oral immunotherapy. *Pediatric Allergy Immunol*. 2017 Aug 7. PMID: 28782296
20. Polk B, **Dinakar C**. Patient-centered outcomes in food allergy. *Curr Allergy Asthma Rep*. 2017 Jun; 17(6):39. doi: 10.1007/s11882-017-0708-z. PMID:28516366
21. Kim H, **Dinakar C**, .. Platz E. Inadequacy of current pediatric epinephrine autoinjector needle length for use in infants and toddlers. *Ann Allergy Asthma Immunol*. 2017 May 5. PMID: 28483294
22. Mettman D, Thiffault I, **Dinakar C**, Saunders C. Immunodeficiency-Associated Lymphoid Hyperplasia as a Cause of Intussusception in a Case of Activated PI3K- $\delta$  Syndrome. *Front Pediatr*. 2017 Apr 19; 5:71. PMID: 28469999
23. Shroba J, Barnes CS, Nanda M, **Dinakar C**, Ciaccio CE. Ara h2 in dust from homes of peanut allergic and peanut tolerant individuals. *Allergy Asthma Proc*. 2017 May 1; 38 (3):192-196. PMID: 28441989
24. Wang J, Sicherer SH; Section on Allergy and Immunology. [**Dinakar C**].Guidance on Completing a Written Allergy and Anaphylaxis Emergency Plan. *Pediatrics*. 2017 Feb 13. PMID: 28193793
25. Sicherer SH, Simons FE; Section on Allergy and Immunology. [**Dinakar C**].Epinephrine for First-aid Management of Anaphylaxis. *Pediatrics*. 2017 Feb 13. PMID: 28193791
26. Warren CM.... **Dinakar C**, Gupta RS. Food Allergy-Related Risk-Taking and Management Behaviors among Adolescents and Young Adults. *J Allergy Clin Immunol Pract*. 2017 Jan 26. PMID: 2813279
27. **Dinakar C**, Chipps BE. Section on Allergy and Immunology; Section of Pediatric Pulmonology and Sleep Medicine. Clinical Tools to Assess Asthma Control in Children. *Pediatrics*. 2017 Jan;139(1).PMID: 28025241.
28. Golden DB...., **Dinakar C**..., Wallace D. Stinging insect hypersensitivity: A practice parameter update 2016. *Ann Allergy Asthma Immunol*. 2017 Jan;118(1):28-54. PMID: 28007086

29. **Dinakar C**, O'Connor GT. The Health Effects of Electronic Cigarettes. *N Engl J Med*. 2016 Dec 29;375(26):2608-2609. doi: 10.1056/NEJMc1613869. PMID: 28029910
30. Matsui EC et al; Section on Allergy/Immunology (**Dinakar C**); COUNCIL ON ENVIRONMENTAL HEALTH. Indoor Environmental Control Practices and Asthma Management. *Pediatrics*. 2016 Nov;138(5). PMID: 27940791.
31. Arakali S, Todd G, **Dinakar C**. Prevalence of Food Allergies in South Asians. *Ann Allergy Asthma Immunol*. 2016 Nov 15. Volume 118, Issue 1, Pages 16–20. PMID:27864090
32. Allenbrand R, Barnes CS, ... Pornoy J, **Dinakar C**. Comparison of Allergens Collected on Furnace Filters and Vacuum Floor Dust. *Ann Allergy Asthma Immunol*. 2016 Nov 7. pii: S1081-1206(16)31161-9. PMID: 27839669
33. Murphy H, Wolverton J, **Dinakar C**. Building an Asthma Education Program. *Missouri Medicine*. Sept/Oct 2016. 113 (5); 409-414.
34. **Dinakar C**, O'Connor G. The Health Effects of Electronic Cigarettes. *N Engl J Med*. 2016 Oct 6;375(14):1372-1381. PMID:27705269
35. Portnoy J, Waller, M, DeLurgio S, **Dinakar C**. Telemedicine is as Effective as In-Patient Visits for patients with Asthma. *Ann Allergy Asthma Immunol*. 2016 Sep; 117(3):241-5. PMID:27613456.
36. Polk BI, Dinakarbandian D, Nanda M, Barnes CS, **Dinakar C**. Association of Tree Nut and Coconut Sensitization. *Ann Allergy Asthma Immunol* 2016 Aug 23. PMID: 27566863.
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38. **Dinakar C**, Shroba J, Portnoy J. The Transforming Power of Proximity Food Challenges. *Ann Allergy Asthma Immunol*. 2016 Aug;117(2):135-7.
39. **Dinakar C**, Warady B. Food Allergy Care: It Takes a Team. *Missouri Medicine*. July/Aug 2016. 113 (4); 314-319.
40. Sifers T, Raje N, **Dinakar C**. Hemophagocytic lymphohistiocytosis: a concise review for practicing physicians. *Allergy Asthma Proc*. 37: 256–258, 2016.
41. Raje N, **Dinakar C**. Overview of Immunodeficiency Disorders. *Immunol Allergy Clin North Am*. 2015 Nov;35(4):599-623. doi: 10.1016/j.iac.2015.07.001. Epub 2015 Aug 25. PMID: 26454309
42. Cowden JC.. . **Dinakar C**, Westbrook DH, Williams AR. The Talking Card: Randomized controlled trial of a novel audio-recording tool for asthma control. *Allergy Asthma Proc*. 2015 Sep;36(5):86-91. PMID:26314809
43. **Dinakar C**, Lang DL. Quality Measures in Allergy, Asthma & Immunology. *Ann Allergy Asthma Immunol*. Jun; 114(6):435-9. PMID:25890450.
44. Lang JE et al; American Lung Association–Airways Clinical Research Centers (**Dinakar C**). Lansoprazole Is Associated with Worsening Asthma Control in Children with the CYP2C19 Poor Metabolizer Phenotype. *Ann Am Thorac Soc*. 2015 Jun;12(6):878-85. PMID: 25844821
45. Portnoy J, Morgan W, **Dinakar C**. TeleAllergy: A New way to Manage Asthma. *J Allergy and Clinical Immunology: In Practice*. *J Allergy Clin Immunol Pract* 2015; 3: 302-3. PMID: 25754720.
46. Humphrey A, **Dinakar C**. Validation of parental reports of asthma trajectory, burden, and risk by using the pediatric asthma control and communication instrument. *Pediatrics*. 2014 Nov; 134 Suppl 3:S172-3. PMID: 25363975.
47. Humphrey A, **Dinakar C**. Maternal second-hand smoke exposure in pregnancy is associated with childhood asthma development. *Pediatrics*. 2014 Nov; 134 Suppl 3:S145-6. doi: 10.1542/peds.2014-1817W. PMID: 25363929.
48. **Dinakar C**, Portnoy JM. Empowering the child and caregiver: yellow zone asthma action plan. *Curr Allergy Asthma Rep*. 2014 Nov; 14 (11):475. PMID:25183364
49. **Dinakar C**, Oppenheimer J, Portnoy JM et al. Management of acute loss of asthma control in the yellow zone: a practice parameter. *Ann Allergy Asthma Immunol*. 2014 Aug; 113(2):143-59. PMID:25065350
50. **Dinakar C**, Portnoy JM. Sailing to the port of best practice on the A/I practice parameters Mayflower. *Ann Allergy Asthma Immunol*. 2014 Aug; 113(2):123-4. doi: 10.1016/j.anai.2014.05.023. PMID: 25065348
51. Nickels AS, Joshi AY, **Dinakar C** Electronic cigarettes: navigating the vapor. *Ann Allergy Asthma Immunol*. 2014 Jun; 112(6):481-3. PMID: 24731875.
52. Lang JE et al; American Lung Association–Asthma Clinical Research Centers. (**Dinakar C**). Biologic mechanisms of environmental tobacco smoke in children with poorly controlled asthma: results from a multicenter clinical trial. *J Allergy Clin Immunol Pract*. 2013 Mar; 1(2):172-80. PMID: 24565456
53. Hanson J, DeLurgio S, Williams D, **Dinakar C**. Office-Based Exhaled Nitric Oxide Measurement in children 4 Years of > Age and Older. *Ann Allergy Asthma Immunol*. 2013 Nov; 111(5):358-63. PMID:24125141
54. Federly TJ, Jones BL, Dai H, **Dinakar C**. Interpretation of food specific immunoglobulin E levels in the context of total IgE. *Ann Allergy Asthma Immunol*. 2013 Jul; 111(1):20-4. PMID: 23806455
55. Sharma J, Myers D, **Dinakar C**. Simulation in pediatrics. *Mo Med*. 2013 Mar-Apr; 110(2):147-9. PMID: 23724489

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57. Federly T, Ryan P, **Dinakar C**. Food protein-induced enterocolitis syndrome triggered by orange juice. *Ann Allergy Asthma Immunol*. 2012 Dec; 109(6):472-3. PMID: 23176892.
58. Lang JE, Holbrook JT, Wise RA, Dixon AE, Teague WG, Wei CY, Irvin CG, Shade D, Lima JJ; American Lung Association-Asthma Clinical Research Centers. (**Dinakar C**). Obesity in children with poorly controlled asthma: Sex differences. *Pediatr Pulmonol*. 2013 Sep; 48(9):847-56. PMID: 23143849
59. **Dinakar C**. Anaphylaxis in Children: Current Understanding and Key Issues in Diagnosis and Treatment. *Curr Allergy Asthma Rep*. 2012 Jul 20 PMID: 22815131
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61. **Dinakar C**. Exhaled nitric oxide in asthma management. *Ann Allergy Asthma Immunol*. 2012 Apr; 108(4):219-22. PMID: 22469439
62. Lansoprazole for children with poorly controlled asthma: a randomized controlled trial. Writing Committee for the American Lung Association Asthma Clinical Research Centers. (**Dinakar C.**) *JAMA*. 2012 Jan 25; 307(4):373-81.
63. **Dinakar C**. The Changing Climate of Allergy/Immunology Disorders. *Missouri Medicine*, Sept-Oct 2011; 108(5):335-337. PMID: 22073490
64. **Dinakar C**. Update on Asthma Step Therapy. *Allergy Asthma Proc*. 2010 Nov-Dec;31(6):444-51.
65. Johnson R, **Dinakar C**. Pediatric pay-for-performance: Who Pays? *Curr Allergy Asthma Rep*. 2010 Aug 20
66. Dinakarbandian DD, Williams AR, **Dinakar C**. Physician Needs in Health Informatics: Just Ask the Docs. *J Allerg Clin Immunol*. 2010 Jun; 125(6):1401-1403.e4.
67. **Dinakar C**. Exhaled Nitric Oxide in Pediatric Asthma. *Curr Allergy Asthma Rep*. 2009 Jan;9(1):30-7.
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69. Dinakarbandian D, Lee Y, **Dinakar C**. Applications of Medical Informatics in allergy/immunology. *Annals of Allergy, Asthma and Immunology* 2007 Jul;99(1):2-9
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### **Book Chapters:**

1. Dinakarbandian D, **Dinakar C**. Bioinformatics in Allergy: A Powerful Tool Joining Science and Clinical Applications. *Allergy Frontiers: Future Perspectives*, Volume 6, Pawankar R, Holgate ST, Rosenwasser LJ (eds.), Springer, New York, NY, 2009, Vol. 6, pp. 19-30. Japan.
2. **Dinakar C**: Chapter 210: Asthma. 2<sup>nd</sup> Edition of American Academy of Pediatrics *Textbook of Pediatric Care*, 2016.

### **Other Publications:**

1. Polk BI, **Dinakar C**. Quantitative Assessment of the Safety Benefits Associated with Increasing Clinical Peanut Thresholds through Immunotherapy. *Pediatrics* Dec 2018, 142 (Supplement 4) S240-S241; DOI: 10.1542/peds.2018-2420AAA.
2. Polk BI, **Dinakar C**. Asthma Exacerbations and Triggers in Children in TENOR: Impact on Quality of Life. Synopsis Book; Best articles relevant to Pediatric Allergy/Immunology. *Pediatrics*, Dec 2018, 142 (Supplement 4) S261-S262.
3. Agusala V, Polk BI, **Dinakar C**. Efficacy and Safety of AR101 in Oral Immunotherapy for Peanut Allergy: Results of ARC001, a Randomized, Double-Blind, Placebo-Controlled Phase 2 Clinical Trial. *Pediatrics* Dec 2018, 142 (Supplement 4) S242; DOI: 10.1542/peds.2018-2420CCC.
4. Lippner E, **Dinakar C**. Increasing Emergency Department Visits for Anaphylaxis, 2005-2014. Synopsis Book; Best articles relevant to Pediatric Allergy/Immunology. *Pediatrics* Dec 2017, 140 (Supplement 3) S188.
5. Lippner E, **Dinakar C**. Timing of Allergenic Food Introduction to the Infant Diet and Risk of Allergic or Autoimmune Disease: A Systematic Review and Meta-analysis. Synopsis Book; Best articles relevant to Pediatric Allergy/Immunology. *Pediatrics* Dec 2017, 140 (Supplement 3) S194.
6. Patel N, **Dinakar C**. Network Meta-analysis Shows Commercialized Subcutaneous and Sublingual Grass Products Have Comparable Efficacy. Synopsis Book; Best articles relevant to Pediatric Allergy/Immunology. *Pediatrics* Dec 2015, 136 (Supplement 3) S254-S255; DOI: 10.1542/peds.2015-2776OOO.
7. Patel N, **Dinakar C**. Development and Internal Validation of a Pediatric Acute Asthma Prediction Rule for Hospitalization. Synopsis Book; Best articles relevant to Pediatric Allergy/Immunology. *Pediatrics* Dec 2015, 136 (Supplement 3) S261; DOI: 10.1542/peds.2015-2776AAAA
8. Dinakar C, Welch MJ. Device-How-To's. *Contemporary Pediatrics*. May 1, 2014. <http://contemporarypediatrics.modernmedicine.com>
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10. Dinakar C, Welch MJ. Technique Pointers. *Contemporary Pediatrics*. May 1, 2014. <http://contemporarypediatrics.modernmedicine.com>
11. **Dinakar C** (and others). 2014 PREP Self-Assessment Questions and Critiques on Allergy/Immunology topics
12. **Dinakar C** (and others). 2013 PREP Self-Assessment Questions and Critiques on Allergy/Immunology topics
13. **Dinakar C** (and others). 2012 PREP Self-Assessment Questions and Critiques on Allergy/Immunology topics
14. Raje N, **Dinakar C**. Synopsis Book; Best articles relevant to Pediatric Allergy/Immunology. *Pediatrics* 2012;130(1) S36.
15. **Dinakar C**. The Maxillary Sinus: Medical and Surgical Management. Book Review. *Annals of Allergy, Asthma & Immunology*. April 2011; 106(4):352.
16. **Dinakar C**. Approach to a child with Recurrent Infections. *The Link*. April 2012.

17. **Dinakar C.** Approach to a child with food allergy. The Link. 2011.
18. **Dinakar C,** Laskowski D. Changing the Face of Medicine. Advance for Respiratory Care and Sleep Medicine. 2011 Jan; Vol 20. No. 1. pg 12.
19. **Dinakar C,** Murphy H. Made to Measure. Advance for Respiratory Care and Sleep Medicine. July/August 2009, 18-21.
20. Kanuga J, **Dinakar C,** Bielory L. White Paper on Indo-US Health Care Summit 2008-Challenges and Opportunities. "Asthma, Allergy and Immunology". 2008. Pg 24-33.
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23. **Dinakar C.** Understanding non-adherence in asthma. *International Review of Asthma.* 2006; 8(2):53-60
24. **Dinakar C.** Strategies for the difficult-to-treat patient. *Medscape Pediatrics Medpulse CME review.* <http://www.medscape.com/viewprogram/5321>
25. **Dinakar C.** Pharmacologic therapy of Allergic Rhinitis-focus on safety of antihistamines. In "Business Briefing; US Respiratory Care. Feb 2005. <http://www.touchbriefings.com>.
26. **Dinakar C.** Prevention of Asthma Myth or Reality. Theme article. Souvenir, IAACON 2005, VI National Conference of Indian Academy of Allergy. Pg 1-7.
27. **Dinakar C,** Pien L. Substernal goiter presenting as wheeze. *Respiratory Reviews.* 1999;4(6):20-22

### **Abstracts:**

1. Veena Agusala, Chitra Dinakar, Deendayal Dinakarpanthian. Informatics Analysis of Cross-Reactivity of Food Allergens in South Asian Cuisine. *J of Allergy Clin Immunol*, Vol. 143, Issue 2, AB238. February 2019.
2. Lippner E., Sicherer SH, Land MH, Schatz M, **Dinakar C.** Feasibility Survey for a Food Allergy Control Tool. *J of Allergy Clin Immunol*, Vol. 141, Issue 2, AB414 L25. February 2018.
3. Kim H, **Dinakar C,** McInnis P, Rudin D, Benain X, Daley W, Platz E. Sonographic assessment of optimal needle length for epinephrine autoinjectors in infants and toddlers. *J of Allergy Clin Immunol.* Vol 137, issue 2, AB 281. Feb 2016.
4. **C. Dinakar,** O. Kamdar, M. Yarbrough, R. Gupta. Asian Indian Food Allergy Survey: Unique Ethnic Food Allergens. *Annals of Allergy, Asthma and Immunology.* Nov 2015. 115 (5), Suppl 1;F1 (p A3). Also P 240 (p A107).
5. M.K. Nanda, **C. Dinakar.** Food Allergy and its Impact on Growth: Missouri WIC2014-present. *Annals of Allergy, Asthma and Immunology.* Nov 2015. 115 (5), Suppl 1; F4 (p A3). Also 35 (pA 27).
6. J. Shroba, C. Barnes, M. Nanda, **C. Dinakar,** C. Ciaccio. Comparison of Ara h2 in Household Dust of Peanut Allergic vs. Nonallergic Individuals. *Annals of Allergy, Asthma and Immunology.* Nov 2015. 115 (5), Suppl 1; FP2 (p A5). Also 33 (pA 26).
7. B.I. Polk, D. Dinakarpanthian, M.K. Nanda, C. Barnes, **C. Dinakar.** Does Serum-specific IgE Sensitization to Treenut Increase the Risk of Coconut Sensitization? *Annals of Allergy, Asthma and Immunology.* Nov 2015. 115 (5), Suppl 1; FP20 (p A10). Also 40 (p A 28).
8. David J, Hanson J, **Dinakar C,** Raje N. Conversion to Omenn-Like Syndrome from profound T cell Immunodeficiency in a patient with CHD7+ CHARGE syndrome. Poster, CIS Annual Meeting, April 9-12, 2015.
9. Shroba J, Suenram D, Bandelier C, **Dinakar C.** Analysis of Open Oral Food Challenges Performed in a Pediatric Allergy Clinic. Poster presentation, AAAAI Annual meeting, 2015.
10. B.I. Polk, C.S. Barnes, **C. Dinakar** et al. Co-sensitization patterns to tree nuts in a pediatric population. Poster presentation, AAAAI Annual meeting, 2015.
11. Page S, **Dinakar C.** A pilot study for the use of exhaled nitric oxide in the diagnosis of eosinophilic esophagitis. Poster presentation, NASPGHAN meeting, Atlanta, October 2013.
12. Reddy M, **Dinakar C,** Barnes C. Variation in the frequency of positive specific IgE test results for ragweed in relation to airborne ragweed levels. *Annals of Allergy, Asthma and Immunology.* Nov 2013. 111 (5), Suppl 1;57 (p A19).
13. Motiani R, **Dinakar C.** A survey to explore the types of food causing food allergic reactions among adults and children of Asian Indian Origin. *Journal of Investigative Medicine.* Feb 2013; 61(2): abstract 320.
14. Hanson J, De Lurgio SA, Williams DD, **Dinakar C.** Ambulatory Fractional Exhaled Nitric Oxide (FENO) Measurement in Children 4-7 Years of Age. *Annals of Allergy, Asthma and Immunology.* Nov 2012. 109 (5), Suppl 1; 11 (p A22).
15. Federly T, Ryan P, **Dinakar C.** Food protein-induced enterocolitis syndrome triggered by orange juice. *Annals of Allergy, Asthma and Immunology.* Nov 2012. 109 (5) ,Suppl 1; P261 (p A112).

16. Stanga SD, Page SL, **Dinakar C**. The role of Exhaled Nitric Oxide (FENO) in Eosinophilic Esophagitis: A Pilot Study to Evaluate the Correlation of Exhaled Nitric Oxide and Esophageal Eosinophils. *J of Allergy Clin Immunol*. Vol 129, Issue 2 Supplement, Page AB97, February 2012.
17. Kilbride HW, **Dinakar C**, Carver T, Gauldin C, Teson K, Gelatt M, Sabath R. Pulmonary Function, Oxygen Consumption and Exhaled Nitric Oxide Measures for Extremely Low Birth Weight, Heavier Preterm and Term Children. Oral abstract, *Western Society for Pediatric Research*, Annual Meeting, Jan 25-28, 2012, Carmel, CA.
18. Jacobs ZD, Dai H, **Dinakar C**. Quantitative increase in age-related IgE in United States Population. *Annals of Allergy, Asthma and Immunology*. Nov 2010. Vol 105, Number 5, Suppl 1; 51 (p A17).
19. Dinakar D, **Dinakar C**. Physician Needs in Health Informatics: Just ask the Docs. *J of Allergy Clin Immunol*. Vol 125, Issue 2, Supplement 1, Page AB121, Feb 2010.
20. Lupoli TA, Dowling P, Handoyo S, **Dinakar C**. When uncontrolled asthma is not asthma. *Annals of Allergy, Asthma and Immunology*. Nov 2009. Vol 103, Number 5, Suppl 3; P205 (p A98).
21. Friedlander J, Williams A, Portnoy J, Lynch D, **Dinakar C**. Association of ACT and Childhood ACT scores with FEV1 in a real-life clinical setting using the Asthma Control Tracker™ web-based registry. *J of Allergy Clin Immunol*. February 2009 (Vol 123, Issue 2, Page S48).
22. S Handoyo, D Ward, J Jackson, P O'Neal, P Ryan, S Simon, **C Dinakar**. Carriage Rates and Administration Abilities in New and Follow-up Patients and Caregivers Prescribed a Self-injectable Epinephrine Device. *Annals of Allergy, Asthma and Immunology*. Jan 2009. Vol 102, Number 1, Suppl 1; P313 (p A109).
23. **C Dinakar**, J Portnoy, D Lynch, T Pendergraft. Using the Asthma Control Tracker Web-Based System to Monitor Outcomes and Facilitate Adoption of the Asthma Control Test in Ambulatory Asthma Management. *J of Allergy Clin Immunol*. February 2008. Vol 121, Issue 2, Page S41.
24. Bender J, Adams C, Graves M, **Dinakar C**, Portnoy J. Changing routines: Adolescent experimentation with asthma medications. Poster, Annual Convention of the American Psychological Association, Aug 2007, San Francisco, CA.
25. B Jones, P Dowling, **C Dinakar**. Physical urticarias diagnosed as exercise induced anaphylaxis in an accomplished athlete. *Ann of Allergy, Asthma and Immunol*. 2007; 98(1): A 46 (P 44).
26. D Ward, J Jackson, **C Dinakar**. Improving safety and quality of care in patients prescribed an epinephrine auto-injector. *Ann of Allergy, Asthma & Immunol*. 2007; 98(1): A 75 (P 155).
27. Dinakar D, Lee Y, Vishwanath K, **Dinakar C**. Accurate and effortless retrieval of evidence based medicine literature. *J Allergy Clin Immunol*. 2006; 117 (2):929 (S240).
28. Adams CD, Graves MM, Bender J, **Dinakar C**, Portnoy J. (August 2006). Changing asthma routines: A look at regimen experimentation in asthma. Oral presentation at symposium, Annual Convention of the American psychological Association, New Orleans, LA.
29. Adams CD, Joseph KE, MaLaren JE, DeMore M, Graves MM, Koven L, Wilson NW, **Dinakar C**, Portnoy JM, Hogan MB. (April 2006). A parent-youth teamwork intervention for improving adherence in pediatric asthma. Paper accepted for presentation at the 2006 National Conference on Child Health Psychology, Gainesville, FL.
30. Ward DR, Dowling PJ, **Dinakar C**, Barnes C. Correlation of Subject Specific IgE Values with House Dust Allergen Levels. *Ann of Allergy, Asthma & Immunol*. 2006; 96(1): 231 (P 248).
31. Schwartz D, Baxi S, **Dinakar C**. Abstract: Histamine Responsibilities in McCune-Albright Patients and Controls. Poster presentation at ENDO 2005; the Endocrine Society's 87<sup>th</sup> Annual Mtg; June 4-7, 2005; San Diego, CA
32. **C. Dinakar**, A. Nopper, K. Wible, D. Laskowski. Non-asthmatic children with eczema have elevated exhaled nitric oxide levels. *J Allergy Clin Immunol*. 2005; 115 (2); S 228; abstract number 908.
33. A Brimer, K Malhi, C Adams, **C Dinakar**. Perceptions and Preferences of Pre-teen and Teen Asthmatics. *Ann Allergy Asthma Immunol*. 2005; 94: 107 (3).
34. S Baxi, C Barnes, **C Dinakar**, P Dowling, J Portnoy. Correlation of IgE and IgG levels in atopic individuals. *Ann Allergy Asthma Immunol*. 2005; 94: 122 (P 5).
35. **C Dinakar**, A Ziegler, TJ Van Osdol, CS Barnes, PJ Dowling. Exhaled nitric oxide levels rise and the fall during the first three months of immunotherapy. *J Allergy Clin Immunol*. 2004; 113 (2); S 112; abstract number 345.
36. MD Silva, **C Dinakar**. Learning preferences of asthmatic children. *J Allergy Clin Immunol*. 2004; 113 (2); S 159; abstract number 536.
37. **C. Dinakar**, J Portnoy, K. Lewis. DiGeorge syndrome presenting as common variable immunodeficiency. *Ann Allergy Asthma Immunol*. 2004; 92: 107 (27) abstract.
38. K. Kwak, M. Amado, **C. Dinakar**, W. Hicks, M. Watanabe. Wiskott-Aldrich syndrome in a 4 month old male with thrombocytopenia and normal platelet count. *Ann Allergy Asthma Immunol*. 2004; 92: 109 (32) abstract.



39. **C Dinakar**, C Barnes, F Pacheco, J Portnoy. Use of Patient Questionnaires to Assess Home Pet Exposure. *Ann Allergy Asthma Immunol.* 2004; 92: 124 (P11) abstract.
40. Van Osdol T, Loeb M, Wible K, **Dinakar C.** How frequent are asthma exacerbations in a primary care setting and do written asthma action plans help in their management? Poster, National Conference on Asthma, Washington DC, June 18-20, 2003.
41. **Dinakar C**, Pacheco F, Hu F, Barnes C, Portnoy J. Exposure and sensitization to airborne fungi in an office environment. *J Allergy Clin Immunol.* 111 (2); S 241; abstract number 691.
42. Ziegler A, **Dinakar C.** Systemic Lupus Erythematosus Presenting As Refractory Angioedema in A 10 Year Old Caucasian Girl Mimicking Drug Allergy. *Ann Asthma Allerg Immunol.* 2002; 90 (1): 103.
43. Van Osdol TJ, Lapuente MA, **Dinakar C.** Atypical Mycobacterium Infection in A Child With Inherited Interferon-Gamma Receptor Deficiency. *Ann Asthma Allerg Immunol.* 2002; 90 (1): 160.
44. **Dinakar C**, Michael L, Garg U, Barnes CS, Laskowski D. A Pilot Study to Evaluate the Effect of Passive Tobacco Exposure on Exhaled Nitric Oxide Levels in Children Measured using Mylar Balloons. *J Allergy Clin Immunol.* 2002; 109 (1):S 32.
45. Lapuente MA, Garg U, Barnes C, **Dinakar C.** Evaluation of urinary LTE4 levels in smoke exposed asthmatic and non-asthmatic children. Abstract, ACAAI Annual meeting, Nov 16-20, 2001. Abstract P143.
46. **C. Dinakar**, CS Barnes, F Hu, F Pacheco, J Portnoy. The impact of temperature and rainfall on airborne ragweed pollen. *J Allergy Clin Immunol.* 2001; 107 (2): 561 (abstract).
47. **C. Dinakar**, C. Barnes, S. Flappen, S. Simon, J Portnoy. The relationship of stachybotrys contamination and symptom scores for persons living in contaminated structures. *J Allergy Clin Immunol.* 2000; 106 (1): 368 (abstract).
48. **Dinakar C**, Pien L. Substernal goiter presenting as wheeze. *Ann Asthma Allerg Immunol.* 1999; 82 (1): 103.
49. **Kameswaran C**, Diwan VK, Srinivasan S, Nalini P, Mahadevan S, Padmini R. age and site-specific protective effect of BCG vaccine against childhood tuberculosis. *J Epidemiol* 195; (5): 43-8.

#### Oral Research Presentations:

1. Kim H, **Dinakar C**, McInnis P, Rudin D, Benain X, Daley W, Platz E. Sonographic assessment of optimal needle length for epinephrine autoinjectors in infants and toddlers. Best of FADDA, ACAAI Annual Meeting, Los Angeles, CA, Mar 7, 2016.
2. **C. Dinakar**, O. Kamdar, M. Yarbrough, R. Gupta. Asian Indian Food Allergy Survey: Unique Ethnic Food Allergens. International Food Allergy Symposium, ACAAI Annual Meeting, San Antonio, TX, Nov 2015.
3. M.K. Nanda, **C. Dinakar**. Food Allergy and its Impact on Growth: Missouri WIC2014-present. International Food Allergy Symposium, ACAAI Annual Meeting, San Antonio, TX, Nov 2015.
1. J. Shroba, C. Barnes, M. Nanda, **C. Dinakar**, C. Ciaccio. Comparison of Ara h2 in Household Dust of Peanut Allergic vs. Nonallergic Individuals. ACAAI Annual Meeting, San Antonio, TX, Nov 2015.
2. B.I. Polk, D. Dinakarbandian, M.K. Nanda, C. Barnes, **C. Dinakar**. Does Serum-specific IgE Sensitization to Treenut Increase the Risk of Coconut Sensitization? ACAAI Annual Meeting, San Antonio, TX, Nov 2015.
3. Reddy M, **Dinakar C**, Barnes C. Variation in the frequency of positive specific IgE test results for ragweed in relation to airborne ragweed levels. ACAAI Annual Meeting, Baltimore, MD, Nov 12-2013.
4. Cowden JC, Wilkerson-Amendell S, Weathers LS, Gonzalez E, **Dinakar C**, Westbrook DH, Williams AR. The Talking Card: A Novel Tool for Asthma Control in Young Children with Persistent Asthma. Pediatric Academy Societies Meeting, Washington DC, May 5, 2013.
5. Motiani R, **Dinakar C.** A survey to explore the types of food causing food allergic reactions among adults and children of Asian Indian Origin. Southern Regional Meeting, New Orleans, LA, February 22, 2013.
6. Hanson J, De Lurgio SA, Williams DD, **Dinakar C.** Ambulatory Fractional Exhaled Nitric Oxide (FENO) Measurement in Children 4-7 Years of Age. Oral abstract presentation, ACAAI Annual Meeting, Anaheim, CA, Nov 11, 2012.
7. Kilbride HW, **Dinakar C**, Carver T, Gauldin C, Teson K, Gelatt M, Sabath R. Pulmonary Function, Oxygen Consumption and Exhaled Nitric Oxide Measures for Extremely Low Birth Weight, Heavier Preterm and Term Children. Oral abstract presentation at the Western Society for Pediatric Research, Annual Meeting, January 25-28, 2012, Carmel, CA.
8. Jacobs Z, Dai H, **Dinakar C.** Quantitative Increase in Age-Related IgE In United States Population. Oral abstract presentation, ACAAI Annual Meeting, Phoenix, AZ, Nov 15, 2010.
9. Bender J, Adams C, Graves M, **Dinakar C**, Portnoy J. (August 2007). Changing Routines: Adolescent experimentation with asthma medications. Poster, Annual Convention of the American Psychological Association, San Francisco, CA.

10. Adams CD, Joseph KE, MacLaren KE, DeMore M, Koven L, Graves MM, Wilson NW, **Dinakar C**, Portnoy J, Hogan MB. A Parent-Youth Teamwork Intervention for Improving Adherence in Pediatric Asthma. Oral abstract presentation. 2006 National Conference on Child Health Psychology, Gainesville, FL on April 19-22, 2006.
11. Brimer A, Malhi K, Adams C, **Dinakar C**. Perceptions and Preferences of Teen and Pre-teen Asthmatics. ACAAI Annual Meeting, Boston, MA, Nov 14, 2004.
12. Brimer A, Malhi K, Adams C, **Dinakar C**. Perceptions and Preferences of Teen and Pre-teen Asthmatics. Ambulatory Pediatric Association Region 6<sup>th</sup> Fall Meeting, Kansas City, MO, September 18, 2004.
13. **Dinakar C**, Nopper A, Wible K, Laskowski D. 'Exhaled nitric oxide levels in non-asthmatic children younger than 3 years of age with and without eczems'. First Annual Respiratory Disease Young Investigators Forum at Washington DC, October 8, 2004.
14. **C. Dinakar**, J. Portnoy, K. Lewis. DiGeorge syndrome presenting as common variable immunodeficiency. Annual Meeting of the American College of Allergy, Asthma and Immunology, New Orleans, LA, 2003.
15. Ziegler A, **Dinakar C**. Systemic Lupus Erythematosus Presenting As Refractory Angioedema In A 10 Year Old Caucasian Girl Mimicking Drug Allergy. ACAAI Annual Meeting, Nov 2002, San Antonio, TX.

### VISITING LECTURESHIPS / INVITED PRESENTATIONS:

#### INTERNATIONAL:

(Apr 14-19, 2018)	Food Allergy- prevention and management, Cameleo CME International Course, Kyoto, Japan
(Apr 14-19, 2018)	Medication Allergies, Cameleo CME (Canadian Physicians) International Course, Kyoto, Japan
(Mar 3, 2018)	Helping Patients Quit Smoking: Patches, Pills, or E-Cigarettes? AAAAI/WAO Joint Congress, Orlando, FL
(Mar 2, 2018)	Epidemiology of E-cigarette Use, AAAAI/WAO Joint Congress, Orlando FL
(Mar 2, 2018)	Tree Nut Sensitization: Now What, AAAAI/WAO Joint Congress, Orlando FL
(Dec 9, 2017)	Patient Centered Outcomes in Food Allergy, Food Allergy Symposium, Toronto, Canada
Oct 23, 2016	Update on Food Allergies, Golden Jubilee Conference, ICAAI/CON 2016, New Delhi, India
Oct 21, 2016	Update on Food Allergies, Allergy/Immunology Conference, KEM Hospital, Mumbai, India
May 5-13, 2012	5 City Asthma Educational Symposia Series, AP International Outreach, CHINA
Dec 17, 2011	Drug Allergy; Vaccine Allergy, ICAAI/CON 2011, Aurangabad, INDIA
Aug 3, 2009	Update on Allergy/Asthma, Annual Meeting of JIPMER Scientific Society, Pondicherry, INDIA
July 25, 2009	Allergy/Asthma: Lessons learned. Indian Association of Pediatrics, Mumbai Chapter, INDIA
Dec 14-16, 2007	First Indo-US Health Care Summit, Expert Panel on Asthma Management, Delhi, INDIA
Jun 19-24, 2006	Allergy, Asthma & Immunology Training Course, Christian Medical College, Vellore, INDIA
Jan 2, 2005	International Allergy & Asthma Update 2005: Non-invasive measures in asthma, JIPMER, Pondicherry, INDIA
Jan 1, 2005	Workshop on Skin Testing, JIPMER, Pondicherry, INDIA
Dec 16, 2004	Prevention of Asthma: Myth or Reality? Indian Academy of Allergy, Chennai Chapter, INDIA
Dec 27, 2002	NIH guidelines in the management of asthma, JIPMER, Pondicherry, INDIA

#### NATIONAL:

(Nov 16, 2018)	Microbiome, ID for the Allergist, Literature Review	ACAAI Annual Meeting, Seattle, WA
(Nov 16, 2018)	Needs Assessment Survey for a Food Allergy Control Tool	ACAAI Annual Meeting, Seattle, WA
(April 21, 2018)	Asthma and rhinosinusitis: treatment options	ACP Internal Medic. Mtg., New Orleans, LA
Oct 29, 2017	Smoking Cessation in Allergy Practice	ACAAI Annual Meeting, Boston, MA
Oct 27, 2017	E-health, Literature Review	ACAAI Annual Meeting, Boston, MA
Sept 17, 2017	Asthma: the role of SCIT and SLIT	AAP-NCE, Chicago, IL
Sept 11, 2017	Asthma: Yellow Zone	Conferences on Line in Allergy (COLA), ACAAI
Mar 5, 2017	Seminar: Smoking Cessation in Patients with Asthma	AAAAI Annual Mtg., Atlanta, GA
Mar 3, 2017	Leadership Institute, Mentor and Presenter	AAAAI Annual Mtg., Atlanta, GA
Nov 14, 2016	Workshop: Allergies in Infants and Very Young Children	ACAAI Annual Mtg., San Francisco, CA
Nov 14, 2016	Moderator: Plenary-Asthma in 2016: Advances	ACAAI Annual Mtg., San Francisco, CA
Nov 11, 2016	Literature Review: Update on Anti-Infectious Agents	ACAAI Annual Mtg., San Francisco, CA
Apr 27, 2016	Yellow Zone Strategies: Mgt. of Asthma Exacerbations	Allergy & Asthma Network, National Webinar
Mar 6, 2016	Seminar on Tobacco Harm Reduction: Role of E-Cigarettes?	AAAAI Annual Mtg., Los Angeles, CA
Mar 5, 2016	Workshops: Hot Topics in Pediatric Asthma	AAAAI Annual Mtg., Los Angeles, CA
Mar 4, 2016	Course: Telemedicine- The New Frontier	AAAAI Annual Mtg., Los Angeles, CA

## Curriculum vitae

Nov 9, 2015	Moderator: Concurrent Abstract sessions Food Allergy	ACAAI Annual Mtg., San Antonio, TX
Nov 7, 2015	Workshop: Asthma and Allergies in very Young Children	ACAAI Annual Mtg., San Antonio, TX
Nov 7, 2015	Allied Health Prof Course: Yellow Zone Asthma Management	ACAAI Annual Mtg., San Antonio, TX
Nov 6, 2015	Literature Review: Update on Anti-Infectious Agents	ACAAI Annual Mtg., San Antonio, TX
Oct 25, 2015	Symposium: Implementing Guidelines based Asthma Care	AAP-NCE, Washington DC
Oct 24, 2015	SOAI Symposium: Asthma and Allergies, Hot Topics Review	AAP-NCE, Washington DC
Feb 22, 2015	Symposium: Yellow Zone in Asthma Control	AAAAI Annual Mtg., Houston, TX
Feb 21, 2015	Symposium: E cigarettes	AAAAI Annual Mtg., Houston, TX
Feb 20, 2015	AAll: Yellow Zone Asthma Intervention Strategies	AAAAI Annual Mtg., Houston, TX
Nov 9, 2014	Moderator, Oral Abstract Session, Food Allergy	ACAAI Annual Mtg., Atlanta, GA
Nov 8, 2014	Plenary, Yellow Zone (Home) Interventions in Asthma	ACAAI Annual Mtg., Atlanta, GA
Nov 8, 2014	Workshop, Asthma and Allergies in Very Young Children	ACAAI Annual Mtg., Atlanta, GA
Nov 7, 2014	Moderator, Treatment of Allergic Rhinitis and Asthma	ACAAI Annual Mtg., Atlanta, GA
Mar 4, 2014	Exhaled Nitric Oxide: Time to clear the air.	AAAAI Annual Mtg., San Diego, CA
Mar 3, 2014	Moderator, Stepping down asthma medications	AAAAI Annual Mtg., San Diego, CA
Mar 3, 2014	Outcomes & Quality Measures in Clin. Practice/Research	AAAAI Annual Mtg., San Diego, CA
Mar 1, 2014	Hot Topics in Pediatric Respiratory Allergies	AAAAI Annual Mtg., San Diego, CA
Nov 11, 2013	Moderator, oral abstract Session, Food Allergy	ACAAI Annual Mtg., Baltimore, MD
Nov 11, 2013	Seminar: Yellow Zone Interventions	ACAAI Annual Mtg., Baltimore, MD
Nov 10, 2013	W 19-Respiratory Allergies, Hot Topics Review	ACAAI Annual Mtg., Baltimore, MD
Oct 27, 2013	W2142 – Asthma and Allergy Gadgets	AAP-NCE, Orlando, FL
Oct 26, 2013	W1051 – Asthma and Allergy Gadgets	AAP-NCE, Orlando, FL
Oct 26, 2013	Respiratory Allergies workshop: Recent Advances in A/I	AAP-NCE, Orlando, FL
Sept 12-13, 2013	Visiting Professor, Univ. of Nevada School of Medicine	Las Vegas, NV
Apr 18, 2013	Gerson A/I Distinguished Visiting Professor lecture	University of Kentucky, Lexington, KY
Feb 25, 2013	Workshop: Hot Topics in Pediatrics Allergy/Immunology	AAAAI Annual Mtg., San Antonio, TX
Feb 24, 2013	Symposium Moderator: Asthma Quality Markers	AAAAI Annual Mtg., San Antonio, TX
Feb 23, 2013	Symposium Speaker: Early Loss of Asthma Control	AAAAI Annual Mtg., San Antonio, TX
Feb 23, 2013	Seminar: Exhaled Nitric Oxide – Time to Clear the Air	AAAAI Annual Mtg., San Antonio, TX
Nov 12, 2012	Controversies in Food Allergy Diagnosis	ACAAI Annual Mtg., Anaheim, CA
Nov 10, 2012	Moderator: Plenary, Maintenance of Certification	ACAAI Annual Mtg., Anaheim, CA
Nov 10, 2012	Hot Topics in Pediatric Allergy – SOAI-AAP	ACAAI Annual Mtg., Anaheim, CA
Oct 21, 2012	Exercise Induced Asthma	AAP-NCE, New Orleans, LA
Oct 20, 2012	Hot Topics Review: Asthma	AAP-NCE, New Orleans, LA
Nov 7, 2011	Food Allergies Controversies and Diagnosis	ACAAI Annual Mtg., Boston, MA
Nov 6, 2011	Moderator: Oral Abstract Session; Clinical	ACAAI Annual Mtg., Boston, MA
Mar 21, 2011	Poster Session Facilitator: Under-Served Populations	AAAAI Annual Mtg., San Francisco, CA
Mar 20, 2011	Moderator: IS Forum: Asthma Therapies and FDA	AAAAI Annual Mtg., San Francisco, CA
Mar 19, 2011	Moderator: HER: Quality Measures for the Allergist	AAAAI Annual Mtg., San Francisco, CA
Mar 18, 2011	Using Exhaled Nitric Oxide in Clinical Practice Setting	AAAAI Annual Mtg., San Francisco, CA
Nov 15, 2010	Seminar: Food Allergies	ACAAI Annual Mtg., Phoenix, AZ
Nov 14, 2010	Moderator: Oral Abstract Session on Immunology	AAAAI Annual Mtg., Phoenix, AZ
Oct 19, 2010	Evidenced-based Management of Asthma and Allergies	Pediatrics for the Practitioner, Big Island, HI
Oct 18, 2010	Immune Workup: For Whom, When and How?	Pediatrics for the Practitioner, Big Island, HI
Oct 18, 2010	Food for Thought: Food Allergies in Children	Pediatrics for the Practitioner, Big Island, HI
May 7, 2010	Plenary: How to best define asthma control	Eastern Allergy Conference, Palm Beach, FL
Feb/Mar 2010	Validated Questionnaires in the Mgt. of allergic disorders	AAAAI Annual Mtg., New Orleans, LA
Feb/Mar 2010	Patient/Physician Incentives to Improve Asthma Care	AAAAI Annual Mtg., New Orleans, LA
Feb/Mar 2010	Instructor: Developing Clinical Skills to Promote Adherences	AAAAI Annual Mtg., New Orleans, LA
Nov 9, 2009	Symposium Critical Challenges in Allergic Disease	ACAAI Annual Mtg., Miami Beach, FL
Nov 7, 2009	Exhaled Nitric Oxide and other Biomarkers	ACAAI Annual Mtg., Miami Beach, FL
Mar 17, 2009	Instructor: Helping Women Build a Career in A/I	AAAAI Annual Mtg., Washington, DC
Mar 13, 2009	Instructor: Adherence Course-Maximizing Outcomes	AAAAI Annual Mtg., Washington, DC
Nov 9, 2008	Clinical Applications of Exhaled Nitric Oxide in Asthma	ACAAI Annual Mtg., Seattle, WA
Nov 7, 2008	Workshop: Exhaled Nitric Oxide and Biomarkers	ACAAI Annual Mtg., Seattle, WA
Oct 21-28, 2008	Challenges on Accessing Research Data for A/I	Bioinformatics Summit 2008 Mtg., NIH
Mar 18, 2008	Moderator: Career Choices, Mentorship in A/I	AAAAI Annual Mtg., Philadelphia, PA
Mar 18, 2008	Journal Club: High Impact Publication for HEDQ	AAAAI Annual Mtg., Philadelphia, PA
Mar 15, 2008	Moderator: Oral Abstract Session: The Best of Allied Health	AAAAI Annual Mtg., Philadelphia, PA

## Curriculum vitae

Mar 14, 2008	Chrysalis Program: Academic Career Paths	AAAAI Annual Mtg., Philadelphia, PA
Nov 10, 2007	Moderator: Plenary: Assessing Chronic Infections:	ACAAI Annual Mtg., Dallas, TX
Feb 25, 2007	Speaker: Journal Club: High Impact Publications for HEDQ	AAAAI Annual Mtg., San Diego, CA
Feb 25, 2007	Moderator, The Best of HEDQ Session	AAAAI Annual Mtg., San Diego, CA
Feb 24, 2007	Moderator: 2306: Medical Informatics and the A/I Specialty	AAAAI Annual Mtg., San Diego, CA
Feb 23, 2007	Developing Clinical Skills to Promote Adherence	AAAAI Annual Mtg., San Diego, CA
Nov 11, 2006	Seminar on Immunodeficiency	ACAAI Annual Mtg., Philadelphia, PA
Mar 7, 2006	Moderator: Hot Topics in Clinical Science	AAAAI Annual Mtg., Miami Beach, FL
Mar 6, 2006	Highlights of the Day	AAAAI Annual Mtg., Miami Beach, FL
Mar 4, 2006	High Impact Publications for Health Care Education,	AAAAI Annual Mtg., Miami Beach, FL
Mar 3, 2006	Everything You Wanted To Know About Joh Hunting	AAAAI Annual Mtg., Miami Beach, FL
Mar 3, 2006	Difficult Cases: What Would an Expert Do?	AAAAI Annual Mtg., Miami Beach, FL
Nov 7, 2005	Seminar on Immunodeficiency	ACAAI Annual Mtg., Anaheim, CA
Nov 7, 2005	Moderator: Plenary Session on Immunodeficiency	ACAAI Annual Mtg., Anaheim, CA
Nov 7, 2005	Workshop on Immunodeficiency	ACAAI Annual Mtg., Anaheim, CA
Mar 22, 2005	Oral Abstract Session: Promoting Adherence	AAAAI Annual Mtg., San Antonio, TX
Mar 22, 2005	Childhood Asthma, 2004-5, Most Important Developments	AAAAI Annual Mtg., San Antonio, TX
Mar 21, 2005	Challenging Ethical Dilemmas in Med. Res. & Clin. Care	AAAAI Annual Mtg., San Antonio, TX
Mar 18, 2005	Developing Clinical Skills to Promote Adherence and	AAAAI Annual Mtg., San Antonio, TX
Nov 15, 2004	Seminar on Immunodeficiency	ACAAI Annual Mtg., Boston, MA
Nov 15, 2004	Workshop on Immunodeficiency	ACAAI Annual Mtg., Boston, MA
Mar 24, 2004	Moderator: Medical Ethics in the 21 <sup>st</sup> century	AAAAI Annual Mtg., San Francisco, CA
Mar 21, 2004	Workshop 3809: Overview of Asthma Disparities.	AAAAI Annual Mtg., San Francisco, CA
Nov 12, 2003	Seminar on Immunodeficiency	ACAAI Annual Mtg., New Orleans, LA
Nov 17, 2002	Immunodeficiency	ACAAI Annual Mtg., San Antonio, TX
Mar 1, 2002	How to prepare for the Boards	AAAAI Annual Mtg., New Orleans, LA

### **REGIONAL:**

(Jan 24, 2018)	Biologics soup: personalizing care	Western Society of AAI, Hawaii
(Jan 24, 2018)	Episodic vs continuous use of ICS in preschoolers	Western Society of AAI, Hawaii
(Jan 22, 2018)	E-cigarettes and effects on health	Western Society of AAI, Hawaii
Oct 15, 2017	Asthma Management in the Yellow Zone	New England Society of Allergy, CT
Oct 14, 2017	Tobacco, E-cigarettes and Asthma	New England Society of Allergy, CT
May 5, 2017	Yellow Zone Practice Parameter, Annual Pedr. Asthma Conf.	Nationwide Children's Hosp., Columbus, OH
Mar 24, 2017	From Hospital to Home: Asthma care	Ann. Eccles Family Rural West Conf., Santa Fe
Dec 2, 2016	Navigating the Vapors and health effects of E-cigarettes	Winthrop University-Hospital, Mineola, NY
Mar 18, 2016	Update on Food Allergies	Driscoll Children's Hospital, Corpus Christi, TX
Oct 17, 2015	Food Allergies in Children: Diagnosis and Management	Early Educator Conference, Lee Summit, MO
Sep 18, 2015	Home (Yellow Zone) Management of Asthma Exacerbations	WMU School of Medicine, Kalamazoo, MI
Sep 18, 2015	Overview of Primary Immunodeficiency Disorders	WMU School of Medicine, Kalamazoo, MI
July 28, 2015	Emerging Strategies for Managing Severe Asthma	California Society of AAI, Huntington Beach, CA
July 28, 2015	Yellow Zone Management of Asthma Exacerbations	California Society of AAI, Huntington Beach, CA
May 1, 2015	Management of Home Exacerbations of Asthma	Winthrop University-Hospital, Mineola, NY
Dec 18, 2014	Management of Home Exacerbations of Asthma	Children's Mercy Grand Rounds, KCMO
Nov 18, Dec 19, 2014	Yellow Zone Interventions in Asthma	CMH West, CMH Pumonology
Oct 31, 2014	Food Allergies, Allergic Rhinitis and Asthma in Children	KC Southwest Annual Mtg., KCMO
Sept 26, Oct 6, 2014	Yellow Zone Interventions in Asthma	CMH Pediatric Clinics, CMH Hospitalists
Aug 3, Sept 20, 2014	Yellow Zone Interventions in Asthma	CMH ED, CMH Respiratory Care
Nov 21, 2013	Team approach to management of immunodeficiency	Children's Mercy Grand Rounds, KCMO
May 12, 2012	Dilemmas in Food Allergy Management	Springfield Peds Specialty Care Update, MO
April 2012	Food Allergy Dilemmas	Kentucky Allergy Soc. Mtg., Lexington, KY
April 2012	Office Immunodeficiency Evaluation	Kentucky Allergy Soc. Mtg., Lexington, KY
Sept 26, 2011	Exhaled Nitric Oxide in Asthma	Toledo Allergy Society, Toledo, OH
Nov 17, 2010	Eczema by the Allergist	Clinical Advances in Pediatrics, Kansas City, MO
Dec 4, 2009	Food For Thought: Food Allergies and Adolescents	Coordinated School Health Conf, Ozarks, MO
Nov 20, 2009	Asthma and Food Allergies in Adolescents	Current Issues in Adol. Hth. Conf., Liberty, MO
Oct 29, 2009	Asthma and Food Allergies in Adolescents	Current Issues in Adol. Hth. Conf., Liberty
Sept 26, 2009	Allergists Perspective on Atopic Dermatitis	Midwest Dermatology Symposium, KCMO

## Curriculum vitae

Mar 27, 2009	Measuring Ambulatory Asthma Outcomes	Academic Scholarship Conf., Children's Mercy
Aug 24-26, 2008	Non-IgE Mediated Food Allergic Disorders	AAAAI Pierson Visiting Professorship, Emory
Aug 24-26, 2008	Evaluation of a child with recurrent infections	AAAAI Pierson Visiting Professorship, Emory
Aug 24-26, 2008	Exhaled Biomarkers in Asthma	AAAAI Pierson Visiting Professorship, Emory
Aug 24-26, 2008	Establishing Partnership in Asthma Care	AAAAI Pierson Visiting Professorship, Emory
Jan 19, 2008	Moderator: 2008 First AAI Update	GKCAS, Kansas City, MO
Jan 19, 2008	Meet the Experts Panel: Discussion on A/I cases and issues	2008 1 <sup>st</sup> AAI Update, GKCAS, Kansas City, MO
Sept 28, 2007	Bridging the Quality Chasm	Children's Med.Ctr., UT Southwest, Dallas, TX
Nov 17, 2005	Autoimmunity	Clinical Advances in Pediatrics, KC, MO
Oct 6, 2006	Research Trends in Asthma	3 <sup>rd</sup> Annual Healthy Indoor Environment
Sept 27, 2005	Oh Yeah, Doctor! I do take my medications as prescribed	St. Louis Children's Hospital, St. Louis, MO
Dec 1, 2004	Developing Clinical Skills to Promote Adherence	Nemours Children's Clinic, Delaware
Jun 2003	Research presentation on exhaled nitric oxide	3M Tech Forum, Minneapolis, MN
Apr 5, 2003	Approach to a child with recurrent infections	Missouri State Medical Association, KCMO
Sept 17, 2002	'Update on Asthma Management'	Texas Academy of Family Phys., KC, MO
Mar 23, 2002	Overview of Asthma	Missouri State Medical Association - International Graduates, St. Louis, MO

### **LOCAL:**

Stanford Internal Medicine Residency Curriculum: Hives and Stridor: Anaphylaxis or Angioedema (8/22/2017) and (10/9/2017)  
Multiple (5-8 each Year) Grand Rounds in the Kansas City Area (Kansas/Missouri) Medical Institutions.

### **MENTORSHIP AND COURSE DIRECTORSHIP:**

#### **(Allergy/Immunology Fellowship, Pediatric Residency and Medical Student Education)**

Mentor for A/I Faculty, Washington University School of Medicine, St. Louis, MO, 2018-  
Research mentor for Stanford pre-med undergrad student Veena Agusala, 2018-  
Leadership Mentor for A/I Faculty, Children's Hospital Philadelphia, Ashwini Reddy, MD, 2017-  
Research Mentor for A/I Fellow-in-training, Elizabeth Lippner, MD, 2017-  
Research Mentor for A/I Fellow-in-training, Brooke Polk, MD, 2015-2017  
Research Mentor, Medicine-Pediatrics Resident, Tray Sifers, MD, 2015-2016  
Research Mentor for Pediatrics Resident, Autumn Han, MD, 2014-2015  
Research Mentor for A/I FIT, Jill Hanson, MD, 2014-2015  
Scholarship Oversight Committee and Research Mentor for ED fellow, Justin Davis, MD, 2013-2015  
Research Mentor for Pediatric Resident, Jill Hanson, MD, 2012-2013  
Research Mentor for A/I Fellow-in-training, Tara Federly, MD, 2011-2013  
Research Mentor for A/I Fellow-in-training, Sean Stanga, MD, 2011-2012  
Research Mentor for Med-Pediatrics resident, Rishika Motiani, MD, 2010-2012  
Member, Scholarship Oversight Committee, Nephrology fellow, Judit Sebestyen, MD, 2007-2010  
Mentor – Individualized Learning Plan, AAP, UMKC pediatric resident Barry Boeckelman, MD, 2007-2009  
Scholarship Oversight Committee and Research Mentor for ED fellow, Lina Patel, MD, 2007-2009  
Research Mentor and Scholarship Oversight committee for UMKC Allergy/Immunology fellows:  
2001 Michael Lapuente, DO; 2002 Aubrey Ziegler, MD; 2003 Tom Van Osdol, MD; 2003 Kristina Kwak, MD; 2004 Mamta Reddy, MD; 2005 Sachin Baxi, MD; 2006 Derrick Ward, MD; 2006 Bridgette Jones, MD; 2007 Steve Handoyo, MD; 2009 Zachary Jacobs, MD; 2001-2009  
Mentor for UMKC pediatric residents: Avni Shah, MD; Lakshmi Rao, MD; Gretchen Black, MD; Julie Hoffman, MD; Marquelle Dean, DO; 2001-2003  
Research mentor for interested UMKC pediatric residents and UMKC medical students: James Friedlander, MD (UMKC peds 2008); Anna Slattery, DO (2008); Min Thu Lee, MD,(UMKC peds 2006); Kirat Malhi,(UMKC 2004); Alysa Brimer, MD, (UMKC 2004); Maria Silva, MD, (UMKC 2003); 2001-2008  
Preceptors to medical students of UMKC, KCUMB and others (Anna Slattery, DO (2006); David Wathern, DO (2005); Heather Malone, DO (2005); 1999-2005

UMKC Pediatric Program- asthma, allergy, food allergy, immunodeficiency, insect sting, drug allergy, 1999- Present  
Course Director, Basic Science and Immunology Didactics, UMKC A/I Fellowship Program, 2000-2007  
A/I Section, Director of Residents & Medical Student Rotations in Allergy, Asthma & Immunology, 2002-2011  
Participant in the Clinical Science curriculum of the UMKC Allergy/Immunology Fellowship Program, 2000- present

Docent for UMKC medical students 'Introduction to the Child' program, 2003-2005  
 UMKC students (Course: Introduction to the Child): Problem based modules on asthma, 2000-2004  
 Kansas University of Health Sciences (UHS): Lectures on asthma, allergies, immunodeficiency, 2000-2005  
 Immunology and Basic Science Didactics, Surgery residents of UMKC, 2000-2002

### **MEDIA INTERVIEWS:**

Effect of increasing glucocorticoids on asthma exacerbations. Lancet respiratory medicine. Judith Gilbert. March 2018.  
[http://www.thelancet.com/journals/lanres/article/PIIS2213-2600\(18\)30118-8/fulltext?code=lancet-site](http://www.thelancet.com/journals/lanres/article/PIIS2213-2600(18)30118-8/fulltext?code=lancet-site)  
 Vaping and teens with Asthma. Allergic living magazine. March 2018.  
<https://www.allergicliving.com/2018/03/14/vaping-and-teenage-asthma-are-e-cigarettes-safer-than-tobacco/>  
 Experts offer advice for extreme allergic reaction, Reuters, Carolyn Crist, <https://www.reuters.com/article/us-health-children-anaphylaxis/experts-offer-advice-for-extreme-allergic-reaction-> March 2018  
 E-cigarettes use in asthma, Allergic Living Magazine, Adrea Janus, July 2017  
 Detoxing home allergens, <http://goop.com/a-guide-to-detoxing-home-allergens-plus-an-air-purifier-we-love/>, April 2017  
 Stanford Report: <http://web.stanford.edu/group/bewell/cgi-bin/bewell-wp/sniffing-out-the-truth-allergies/>, April 2017  
 5<sup>th</sup> Annual Eccles Family Rural West Conf.: <http://news.stanford.edu/2017/03/31/solutions-rural-west/>, March, 2017  
 Telemedicine as effective as in-person visits for children with asthma, Science daily/ Beckers hospital report, Sept 2016.  
 Proximity Food Challenges, Science Daily/allergicblogspot.com, August 28, 2016.  
 Home Remedies for Nasal Allergies, Parent online, Aug 31, 2016.  
 Pollen Allergies, KC TV 5, August 31, 2016.  
 Resources and Hope for Children with Food Allergies, KC Star Health Check, KC Star, July 20, 2016.  
 Asthma Kids Twitter Chat with KC Parent Magazine. May 11, 2016.  
 Oral immunotherapy for Inhalant Allergies. Fox 4. Interviewed by Meryl Lin. Broadcast on April 28, 2016.  
 Oral immunotherapy for Food Allergies. Fox 4. Interviewed by Meryl Lin. April 27, 2016.  
 Hunger for Change Inspired Gluten-Free, Allergy-Friendly Food Bank. Quoted in Allergic Living. April 2016.  
 Food Allergies. Up to Date. KCUR Radio. Interviewed by Steve Kraske. April 20, 2016.  
 Pollen Count and Rain. KCTV5. Interviewed by meteorologist Jesse Hawila. April 18, 2016  
 Chasing Davies: <http://www.chasingdavies.com/2016/03/handling-food-allergies-with-little-ones.html>, Mar 29, 2016  
 Food Allergy Chat (twitter) with KC Parent Magazine. March 9, 2016  
 Spring Allergies and the Mild Winter. Kansas City Star. Interviewed by Rick Montgomery. March 3, 2016.  
 Spring Allergies, Fox 4. Interviewed by Meryl Lin. March 2, 2016.  
 New, Emerging Food Allergies. Radio MD. The Dr. Mike Show. Dec 16, 2015  
 You're Allergic to What? New Food Allergies Emerging. Medscape. Interviewed by Kate Johnson. Nov 12, 2015.  
 FARE Walk to raise awareness of Food Allergies. WDAF Morning News, October 20, 2015  
 FARE walk to raise awareness of Food Allergies, KSHB 41 Midday News, October 19, 2015  
 Fall Allergies, KSHB 41 News, Reporter: Alyson Bruner, September 30, 2015  
 Emerging options for treating peanut allergy, KSHB 41 Midday Newscast, July 17, 2015  
 FARE Clinical Network/ CMH Food Allergy Center, Kelly Eckerman, Channel 9 (KNBC), June 30, 2015  
 Food Allergy Center of Excellence/FARE Clinical Network, Kansas City Business Journal, June 29, 2015  
 E-cigarettes- Establishing a 'Yellow Zone' asthma treatment. HCP Live.Com, Adam Hochron, Feb 2015  
 E-cigarettes- Cause of Smoking in Youth Rather than Cure. HCP Live.Com, Adam Hochron, Feb 2015  
 E-cigarettes in children. Allergic Living Magazine, interviewed by Ishani Nath, Jan 2015  
 International Academy of Science, Acellus High School Online Health Course, Immunology Segment, Dec 2014  
 Children often rate their asthma worse than parents. [www.medscape.com/viewarticle/834837](http://www.medscape.com/viewarticle/834837), Nov 2014  
 Asthma. <http://www.healio.com/allergy-immunology/asthma-lower-airway-diseases/news>, Nov 2014  
 Food Allergy Twitter Chat, Children's Mercy, Oct 2014  
 Vaping and Health: What Do We Know about E-Cigarettes?. <http://ehp.niehs.nih.gov/122-A244/>, Sept 2014  
 Management of Asthma. Health, Wealth & Wisdom on 1250 AM WHNZ, Aug 25, 2014  
 Peanut Allergies, KSHB-TV, interviewed by Patrick Fazio, Jun 16, 2014  
 Peanut Allergies, KCUR. interviewed by Alex Smith, Apr 21, 2014  
 Outgrowing Asthma. Web MD, Nov 30, 2013  
 Spring Allergies. KC TV, interviewed by Bonyen Lee, Apr 22, 2013  
 Healthy Children, Radio Show on RadioMD; interviewed by Melanie Cole, Mar 13, 2013

Peanut Allergies. KMBC-TV, Interview with Jana Corrie, Oct 4, 2012  
Increase in asthma admissions coinciding with start of school, KCTV 5, Interview with Heather Staggers, Aug 29, 2012  
Live interview: Doctor Radio's Pulmonology Show hosted by Dr. Frank Adams, Feb 21, 2012  
Interview with Lindsey Tanner, Associated Press, "Study of Acid Reflux in Children with Asthma",  
Interview with Meryl Lin McKean, Fox 4 TV: "New Diagnostic Test for Asthma", Jan 23, 2012  
Interview with Medscape reporter on 'Asthma in seniors' - 'Statins can make asthma worse' – 'Ciclesonide trumps antibiotics for pediatrics otitis media', Nov 2011  
Interview with Shoshana Kordova from Babble (parenting web-site) on Food Allergies, Jan 2011  
Natalie Roy, Safe and Sound Magazine, "Atopic Dermatitis and the Allergist", Dec 2010  
Interview with Sasha Coffiner, Pharmawire, Financial Times on sublingual immunotherapy products, Aug 2010  
Food Allergies in Teens, "Adolescents Shorts", Missouri Dept. of Health and Senior Services, Jul 2010  
Interview with JACI Editorial Team, "In person interview", Jul 2010  
Thomas Crocker: Safe and Sound Magazine: Taking a Peak at Pica, Mar 2009  
Karen Smith-Janssen: Health Magazine: Tried all the Time, Dec 2008  
Amy Kates, KC Magazine: When is my child old enough to use and carry EpiPen by herself?, Jan 2008  
Carrie Alexander, KC Community News: Number of Children with Allergies Increases, Dec 2007  
Ann Harding, Reuter's Health Consumer News Wire: Allergic Reactions during the Holidays, Nov 2007  
Bethany Gumper, Associate Health Editor, Family Circle regarding Seasonal Allergies, Jan 2007  
ABC – TV Channel 9 – regarding Fall Allergies, Sept 2006  
Associate Editor, *ADVANCE* Newsmagazines – regarding asthma clubs, Jun 2006  
ABC – TV Channel 9 – regarding Insect Sting Allergies, May 2006  
Editor, *ADVANCE* Newsmagazines – regarding Research on Adolescent Perceptions re: Asthma, Dec 2005  
ABC TV Channel 9, Interview regarding management of spring allergies, Apr 2005  
Victoria Stagg Elliott, Reporter, American Medical News, regarding tailoring asthma treatments, Feb 2005  
Janice Billingsley from HealthDay.com, adolescent perceptions regarding asthma, Nov 9, 2004  
Dona De Zube, Editor of School Health Professionals, adolescent perceptions regarding asthma, Nov 8, 2004  
TV (Channel 43) on relationship of ozone and asthma, Jun 2003  
TV (Channel 9) on the issues concerning the rise in the prevalence of asthma, May 2001  
Radio Station in Olathe on Food Allergy, Apr 2001  
Food Allergy for the Healthy Kids Column, 2001

#### **OTHER AWARDS/HONORS:**

Kansas City Corporate Challenge, Silver medal in 100m, Bronze medal in 400m, 2016  
Kansas City Corporate Challenge, Gold medal in 100m, Silver medal in 400m, 2014  
Kansas City Corporate Challenge, Gold medal in Long Jump, 2013  
Kansas City Corporate Challenge, Gold medal in 100m, Gold medal in Long Jump, Silver medal in 400m, 2011  
Kansas City Corporate Challenge, Gold medal in Long Jump, Silver medals in 100m and 400m, 2006-2007

#### **INDUSTRY SPONSORED RESEARCH STUDIES (Co-Investigator), since 2005:**

1. A randomized, double blind, placebo-controlled, parallel group study to evaluate the efficacy and safety of dupilumab in patients with persistent asthma. Approved 2015. 1-2 subjects projected. IRB # 15030106 GL # 400537.15.
2. A Phase III, Randomized, Placebo-Controlled Clinical Trial to Study the Efficacy and Safety of MK-3641, a Ragweed (*Ambrosia artemisiifolia*) Sublingual Immunotherapy Tablet, in Children With a History of Ragweed-Induced Rhinoconjunctivitis With or Without Asthma. Approved 2015. 18 subjects projected. IRB # 15080336 GL.
3. Safety and Efficacy of Olopatadine HCL Nasal Spray in 6-11 Year Old Patients with diagnosis of Seasonal Allergic Rhinitis. Approved 1/2008, 01.3483, \$40,331.00 projected, IRB 06 10-157, 8 subjects projected/ 15 enrolled, 9 completed.
4. A 12-week, randomized, double-blind, double dummy, multi-center, phase IV study comparing the efficacy and safety of SYMBICORT® pMDI 160/4.5 µg x 2 actuations twice daily versus budesonide inhalation powder DPI 180 µg x 2 inhalations twice daily, in adult and adolescent (≥12 years) African American subjects with asthma. Approved 9/2008, 01.3537, IRB 08 07-117, \$43,440. 6 subjects projected/ 8 subjects enrolled/ 1 subject completed. Completed 2009.
5. Patient Registry for Berinert – Registry Study. 2011-2014. CSL Behring. IRB 11 11-119E, \$9,621.00. 1 subject enrolled.
6. A Multicenter, Double-Blind, Randomized, Placebo-Controlled, Parallel-Group Study Evaluating the Efficacy and Safety of Grass Sublingual Tablet (SCH 697243) in Subjects Between 5 and 65 Years of Age, with a History of Grass Pollen-Induced Rhinoconjunctivitis, With or Without Asthma. Protocol P08067– 0190. Study closed by sponsor before started.

## Curriculum vitae

7. A 26-Week Randomized, Double-Blinded, Active Controlled Study Comparing the Safety of Mometasone Furoate/Formoterol Fumarate MDI Fixed Dose Combination Versus Mometasone Furoate MDI Monotherapy In Adolescents and Adults With Persistent Asthma. Protocol No. P06241 also known as P202 SPIRO; Merck/Schering Plough. Approved 2012. Initiated 2013. 11 subjects projected. IRB #12020122, GL # 01.5152 \$82,125.00.
8. A 6 Month Safety and benefit Study of Inhaled Fluticasone Propionate/Salmeterol Combination Versus Inhaled Fluticasone Propionate in the Treatment of 6,200 Pediatric Subjects 4-11 Years Old with Persistent Asthma. Protocol No. SAS115358 VESTRI; GlaxoSmithKline. Approved 2012. Initiated 2013. 11 subjects projected. IRB # 12040216; GL # 01.5169. \$ 39,456.00.
9. A Randomized, Multicenter, Double-Blind, Placebo-Controlled, Parallel Group Study Of The 12 Month Effect Of Treatment With Once Daily Nasacort on the Growth Velocity Of Children, 3 To 8 Years Of Age, With Perennial Allergic Rhinitis (PAR), Sanofi-aventis Approved 2006, 01.3484, \$62,842.00 projected, IRB 06 10-157, 15 subjects projected/ 17 subjects enrolled -6 completed.
10. A 12-week, randomized, double-blind, double dummy, multi-center, phase IV study comparing the efficacy and safety of SYMBICORT® pMDI 160/4.5 µg x 2 actuations twice daily versus budesonide inhalation powder DPI 180 µg x 2 inhalations twice daily, in adult and adolescent (≥12 years) African American subjects with asthma. Approved 2008, 01.3537, \$43,440.00 projected, IRB 08 07-117, 6 subjects projected/8 subjects enrolled/1 subject completed. Completed 2009
11. Safety and Efficacy of Olopatadine HCL Nasal Spray in 6-11 Year Old Patients with diagnosis of Seasonal Allergic Rhinitis. Approved 1/2008, 01.3483, IRB 06 10-157, 8 subjects projected
12. A Placebo-Controlled Study of the Effects of Pleconaril on Common Cold Symptoms and Asthma Exacerbations Following Rhinovirus Exposure, Approved 2006, 01.3480, \$ 97,133.60, IRB 06 08-138 10 subjects projected / 11 consented, 5 completed, 2007.
13. Randomized, Double-Blind, Placebo-Controlled Trial of the Safety and Efficacy of Astelin in Patients With Seasonal Allergic Rhinitis, Approval 2006, \$85,628.99, IRB 06 02-026, 36 consented / 33 completed, completed 2006
14. A Study to Design and Test Home Cleaning Methods and Their Impact on Persons Suffering From Allergies and Asthma, Clorox Corporation, 01.3443, Approved 2005, IRB 05 05-053, \$394,824.97 CRC only, 180 families. completed 2006
15. Gene Expression Pattern of CD23 Mediated Immunoregulation in Human Allergic Reaction using Microarray, Approved 2006, 01.7192, IRB 05 12-155 60 subjects projected
16. A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Multicenter Study to Evaluate the Efficacy and Safety of Once-Daily, Intranasal Administration of GW685698X Aqueous Nasal Spray 50mcg and 100mcg for 2 Weeks in Pediatric Subjects Ages 2 to <12 Years with Seasonal Allergic Rhinitis (SAR), GlaxoSmithKline/ FFR100010/ approved 2005 01.3440, \$31,904 projected, IRB 05 02-023, 7 subjects projected / 19 consented /13 completed, completed 2005
17. A Multicenter, Open-Label, Single Dose Study to Evaluate the Plasma Concentration Time Profile and Tolerability of a 5.25-mg Intravenous Dose of Montelukast (SINGULAIR™) in Children Aged 6 to 14 Years with Asthma Approved 2005 01.3429/ \$29,582. Collaboration with PK unit. CRC \$7,033.88 only completed 2005
18. A Randomized, Double-Blind, Parallel Group, Placebo-Controlled, Four-Week Efficacy And Safety Evaluation Of Nasacort®AQ 110 µg QD, Followed By Six-Month Open-Label Safety In Children Ages 2-5 Years With Perennial Allergic Rhinitis Aventis Pharmaceuticals, Inc / Protocol XRG5029C/3502 /Approved 2004 01.3401/ \$44,769.33, IRB 04 01-004, 8 randomized, completed 2005
19. A Randomized, Double-Blind, Parallel Group, Placebo-Controlled, Four-Week Efficacy and Safety Evaluation of... Followed By Six-Month Open-Label Safety In Children Ages 2-5 Years With Perennial Allergic Rhinitis Protocol
20. A 1 Year, Randomized, Double Blind, Parallel-Group, Placebo-Controlled, and Multicenter Evaluation of Efficacy, Safety, Pharmacokinetics And Pharmacodynamics Of .....In Children (6 -<12 Years) With Moderate-Severe, Persistent, Inadequately Controlled Allergic Asthma....
21. A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Multicenter Study to Evaluate the Safety and Efficacy of Once-Daily, Intranasal Administration of ..... for 12 Weeks in Pediatric Subjects Ages 2 to <12 Years with Perennial Allergic Rhinitis (PAR)
22. A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Multicenter Study to Evaluate the Efficacy and Safety of Once-Daily, Intranasal Administration of .... for 2 Weeks in Pediatric Subjects Ages 2 to <12 Years with Seasonal Allergic Rhinitis (SAR)
23. Randomized, Double-Blind, Placebo-Controlled Trial of the Safety and Efficacy of ...in Patients With Seasonal Allergic Rhinitis

### **Industry-sponsored research studies (Co-Investigator), 1999-2005:**

1. An Open, Single-Dose, Multicenter Study to Evaluate the Safety, Tolerability, and Plasma Concentration Profiles of Montelukast Sprinkles in 6- to 24 Month Old Children Merck Protocol 136-00 Approved 1/1999. 01.3223/ \$55,241.50, 27. 26 Completed.
2. Evaluation of Xopenex™ (levalbuterol) Inhalation Solution in the Treatment of Asthma Sepracor Protocol 051-902 Approved 1/1999 01.3165 / \$750.00, IRB P98 10-75, 9 enrolled /7 completed
3. An Open Controlled Extension to the Chronic Asthma Study Comparing Montelukast with Placebo in Two to Five-Year Old Patients. Merck Protocol No. 072-10 Approved 03/1999. 01.3175 / \$11,747.68, IRB P99 01-15, 4 enrolled / 2 completed
4. A Twelve-Month Safety Study of Norastemizole QD in Subjects with Perennial Allergic Rhinitis / Seasonal Allergic Rhinitis. Sepracor Protocol # 110-029 Approved 6/1999. 01.3188 / \$37,364.00, IRB P99 05-69, 12 enrolled/ all withdrew due to allergy symptoms
5. A 12-Week Comparison of Daily Doses of 100 mcg and 200 mcg of HFA-134a Beclomethasone Dipropionate in the Autohaler Device Versus Placebo in Pediatric Patients with Symptomatic Asthma. 3M Protocol 1343 BRON Approved: 08/1999. 01.3192 / \$51,049.50, IRB P99 07-82, 20 enrolled / 12 completed
6. A Multicenter, Double-blind Comparison of Zafirlukast (Accolate) with Placebo in Pediatric Subjects with mild to moderate Asthma. Approval 1998, 29 enrolled / 10 completed



## Curriculum vitae

7. A Sub-protocol to Assess the Antagonism of Oral Zafirlukast (Accolate) on Exercise-induced Bronchoconstriction in Pediatric Subjects with Exercise-induced Asthma at the End of Dosing Interval and During Long-term Dosing. Zeneca Protocol 9188IL/0150:0043 Approved 11/1999. 01.3133 / \$96,477.50, IRB P98 01-04, 11 enrolled / 1 completed.
8. An Open-Controlled Extension to the Chronic Asthma Study Comparing Montelukast with Placebo in Two- to Five-Year Old Patients. Merck Protocol # 072-20 Approved 3/2000. 01.3243 / \$8,615.28, IRB P00 03-27, 2 enrolled / 2 completed
9. A Multicenter, Double-Blind, Randomized Parallel Group Study Comparing the Effect on Linear Growth of Montelukast with Placebo and Inhaled Beclomethasone in Pediatric Patients (Prepubertal, Tanner Staging I) With Mild Asthma . Merck Protocol #097-02 Approved 2000. 01.3255/ \$7,016.44, IRB P99 10-113, 0 enrolled / 0 completed
10. Pharmacokinetics And Pharmacodynamics Of Oral Fexofenadine Hydrochloride Suspension Administered To Children From 6 Through 11 Years Of Age. Aventis Protocol MO16455I/1117 Approved 2000. 01.3252/ \$122,138.40, 18 Enrolled / 13. Collaboration with PK unit. CRC \$7,323.74
11. Multicenter, Study of the Pharmacokinetics of Oral Fexofenadine Hydrochloride Administered as Granulation in Applesauce to Children From Two to Five Years of Age Aventis Protocol MO16455I/114/0001 Approved 2000. 01.3236 / \$83,385.58, 13 Enrolled / 12 Completed. Collaboration with PK unit CRC \$7,038.40
12. A multicenter, randomized, double-blind, parallel group, placebo-controlled, 12-week study of fluticasone propionate 44mcg BID and 88mcg BID delivered via CFC MDI and a valved holding chamber with facemask in subjects with asthma. Age 24 months to 47 months. Glaxo Protocol FMS 30058 01.3281 / \$3500.00, IRB P00 10-91
13. A multicenter, randomized, double-blind, parallel-group, placebo-controlled, 12-week study of fluticasone propionate 44mcg BID and 88mcg BID delivered via CFC MDI and a valved holding chamber with facemask in subjects with asthma age 6 months to 23months. Glaxo Protocol FMS 30059 Approved 2000. 01.3280/ \$2,800.00, IRB P00 10-92, 1 enrolled / 0 completed
14. A Multicenter, Open-Label, Single-Dose Study to Evaluate the Plasma Concentration-Time Profile and Tolerability of a 3.5mg Intravenous Dose of Montelukast (Singulair™) in Children 6 to 14 Years With Asthma. Merck Protocol 215-01 Approved 2001. 01.3277 / \$60,617.00, 12 Enrolled / 11 Completed. Collaboration with PK unit CRC \$8, 060.53
15. Study on the Pharmacokinetics of Single Oral Doses of 100ug and 250ug Romflumilast in Children with Mild to Moderate Asthma. Altana Protocol BY217/FHP032 Approved 2001. 01.3258 / \$96,885.88, 13 Enrolled / 12 Completed. \$9,850.01
16. A Multicenter, Randomized, Double-blind, Placebo-controlled, Parallel Group Study of the Safety of Zyrtec (Cetirizine Hydrochloride) Syrup in Pediatric Subjects 6 Months to 11 Months of Age. Pfizer Protocol A143-1010 Approved 2001. 01.3298 / \$13,599.82, IRB P01 03-19, 6 enrolled / 6 completed.
17. A Phase III Double-Blind, Placebo-Controlled, Parallel-Group, Multicenter, Efficacy, Safety And Dose Response Study Of Ciclesonide Metered Dose Inhaler 50mcg/Day, 100mcg/Day, And 200mcg/Day (Ex-Valve) Administered Once Daily For 12 Weeks In The Treatment Of Children With Persistent Asthma. Aventis Protocol XRP1526B 341 Approved 2001. 01.3309 / \$100,995.21, IRB 01 05-44, 30 enrolled / 16 completed, completed 2003
18. A Multicenter, Randomized, Open-Label, One Year Long-Term Safety Study Of Ciclesonide Metered Dose Inhaler 50mcg/Day To 200mcg/Day (Ex-Valve) Administered Once Daily Or Fluticasone Dry Powder Inhaler (Flovent® Rotadisk®) 50mcg Or 100mcg Administered Twice Daily For The Treatment Of Children With Persistent Asthma . Aventis Protocol XRP1526B 341LT Approved 2001. 01.3317 / \$45,075.00, IRB 01 09-78, 10 enrolled / 6 completed, completed 2003
19. A Stratified, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, 12-Week Trial Evaluating the Safety and Efficacy of the Fluticasone Propionate/Salmeterol DISKUS Combination Product 100/50mcg Once Daily Versus Fluticasone Propionate DISKUS 100mcg Once Daily and Placebo in Symptomatic Pediatric Subjects (4-11 Years) With Asthma. GlaxoWellcome Protocol SAS30021 Approval 2002. 01.3342 / \$50,650.00, IRB 01 10-85
20. A Multicenter, Open-Label, Randomized, Parallel Groups Study To Assess The Long-Term Safety Performance Of Fexofenadine Compared To Montelukast In Subjects With Asthma. Aventis Protocol Number: 016455P/3003 Approval 2002. 01.3332 / \$268,448.25, IRB 02 02-11, 31 enrolled / 15 completed, completed 2003
21. An Observational Study to Evaluate The Disease Course Of Bronchial Asthma In Children 6 To 12 Years Of Age During The Rhinovirus Cold Season. Viro Pharma Protocol 843-073 01.3344 / \$46,706.40, IRB 02 09-95, 28 enrolled / 23 completed, completed 2003
22. A Placebo-Controlled Comparison Of The Efficacy, Safety And Pharmacokinetics Of The Current US Version Of Pulmicort (Budesonide) Turbuhaler® And The New Version Of Pulmicort Turbuhaler® In Asthmatic Children And Adolescents – Zeneca Protocol SD-004-0726 Approved 2003. 01.3363 / \$90,690.47, IRB 02 12-131, 15 consented / 10 randomized, completed 2004
23. A 52-Week, Randomized, Double-Blind, Single-Dummy, Parallel-Group, Multicenter Phase III Study Comparing The Long-Term Safety Of SYMBICORT® pMDI 160/4.5 µG X 4 Actuations Twice Daily To SYMBICORT® pMDI 160/4.5 µG X 2 Actuations Twice Daily And Budesonide HFA pMDI 160 µG X 4 Actuations Twice Daily In Adult And Adolescent Subjects With Asthma. AstraZeneca Pharmaceuticals/SD-039-0728. 01.3385 / \$36,380.65, IRB 03 08-084, 5 enrolled / 3 Randomized, completed 2005.