

Science and Outcomes of Allergy and Asthma Research

June 2017 Newsletter

*Smith Child Health Research Lab
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New Name and Faces!

Earlier this year, Team Gupta changed its' name from *Food Allergy Outcomes and Research Program* to *Science and Outcomes of Allergy and Asthma Research* (SOAAR). This change reflects the team's plans to improve the health and lives of children with food allergies and asthma by creating solutions and shaping policies. In addition to the name change, SOAAR expanded its team to include 6 new team members. We welcome:

- Diane Houdek,
- Jialing Jiang,
- Madeleine Kanaley,
- Lauren Kao,
- Joanna Kotowska, and
- Brenda Silvia-Torma.

To learn more about their roles on Team Gupta, visit [SOAAR's website](#).

National and International Presentations



Pediatric Academic Societies

During PAS 2017 Annual Meeting, held on May 6-9, 2017 in San Francisco, CA, Dr. Gupta and her team led a discussion titled, "Early Introduction: The Approach for the General Pediatrician" and presented three posters titled:

- "Disparities in pre-emergency department epinephrine and antihistamine use for anaphylaxis",
- "School-based food allergy policies: Assessing attitudes, beliefs, and barriers to implementation", and
- "Timing of inclusion of allergenic foods during infancy: Knowledge, attitudes and practices of US pediatricians".

To learn more about this event and the other presentations provided by Lurie Children's/Northwestern faculty, residents, fellows and staff, visit: [Conference Summary](#).

CodeAna Anaphylaxis Summit

On April 29th, Dr. Gupta presented at CodeAna's Anaphylaxis Summit in Charlottesville, VA. Dr. Gupta provided parents and community members

with an overview of anaphylaxis and its symptoms, prevalence, cost as well as guidelines and school policy information.

American Academy of Allergy, Asthma & Immunology (AAAAI)

During the AAAAI annual meeting, held on March 3-7, 2017, Dr. Gupta presented:

- "Food Allergy Update Prevention in the US and India" at an Expert Guided Dinner Symposium on Food Allergy Prevention and Management, sponsored by the American Association of Allergists and Immunologists of Indian Origin.

Dr. Gupta led a discussion titled, "Food Allergy Action Plans: Evidence-Based Recommendations" and presented 4 posters on the topics of:

- Understanding Predictors for the Development of Tolerance to Allergies in Pediatric Food Allergy Natural History Registry
- Understanding Predictors for Severe Allergies in Pediatric Food Allergy Natural History Registry
- Building a Pediatric Food Allergy Natural History Registry
- Disparities in Pre-Emergency Department Epinephrine and Antihistamine Use for Anaphylaxis



Max Hospital, Max Healthcare Institute Ltd. in New Dehli, India

On February 16th, 2017, Dr. Gupta presented on her R21 Grant proposal for the FACE (Food Allergy and Atopy Collaboration and Evaluation in India) Study. This study aims to determine the prevalence, severity, and distribution of childhood food allergy, and to identify modifiable factors leading to food allergy by examining the environment and microbiome during infancy. The goal is to find potential predictors for early prevention of food allergy. This project is in collaboration with the Public Health Foundation of India in Guragon, as well as multiple physicians and hospitals around India and with Jack Gilbert PhD from the University of Chicago.

National Institute of Allergy and Infectious Disease (NIAID)

On February 6, 2017, Dr. Gupta presented, "Peanut-Allergy Prevalence Survey"

during the NIAID's Peanut Allergy Guidelines Implementation and Validation Workshop held in Rockville, MD.



Great News from NIH about the FORWARD Study

The SOAAR Team is pleased to announce that it received [R01 funding](#) from the National Institutes of Health for its Food allergy management Outcomes Related to White and African American Racial Differences (FORWARD) study. The goal of this project is to develop a prospective longitudinal cohort to systematically investigate disparities between African American and White children in food allergy clinical and psychosocial outcomes, food allergy phenotypes and endotypes, and food allergy management practices. The team will be collaborating with four different sites nationally, including Cincinnati Children's Hospital Medical Center, Children's National Medical Center in Washington D.C., Ann & Robert H. Lurie Children's Hospital of Chicago, and Rush University Children's Hospital in Chicago.

Publications

SOAAR is pleased to share three new publications:

Warren CM, Dyer AA, Otto AK, Smith BM, Kauke K, Dinakar C, Gupta RS. Food Allergy-related risk-taking and management behaviors among adolescents and young adults. [J Allergy Clin Immunol Pract.](#) 2017; 5(2):381-390.e13.

[Togias A, et al. Addendum guidelines for the prevention of peanut allergy in the United States: Report of the National Institute of Allergy and Infectious Diseases-sponsored expert panel. J Allergy Clin Immunol. 2017; 139\(1\):29-44.](#)

Gupta RS, Taylor SL, Baumert KL, Kao LM, Schuster E, Smith B. Economic

factors impacting food allergen management: Perspectives from the food industry. *The Journal of Food Protection*. 2017. In Press.

Community Outreach and Education

In recent months, Dr. Gupta and her team have participated in multiple local community outreach and education events, including the following listed below.



Francis W. Parker Research and Medicine Program

In the Spring, SOAAR team members supported students from Francis W. Parker school in Chicago, IL with learning about public health research. Specifically, the students conducted surveys and in-depth interviews at Parker and in other Chicago communities, analyzed data and are now working on PSAs (Public Service Announcements) to educate other young people on important health issues. For more details, visit: [Parker Students Join Public Health Research Team](#).



2017 FARE Spring Luncheon

The SOAAR team participated in this year's FARE Spring Luncheon on May 12th, held at the Four Seasons Hotel in Chicago, IL. In addition to Ruchi Gupta, MD, MPH speaking on a panel about the new peanut allergy prevention guidelines, SOAAR also staffed a table and distributed food

allergy resources, including free copies of their new [food allergy videos](#). The team distributed approximately 165 copies and made lots of connections throughout the day.

Visit [Dr. Gupta's website](#) for more pictures of this event.



The Air We Breathe: An Atlantic Summit

On April 20th, Dr. Ruchi Gupta and Kimberly Wasserman-Nieto, Executive Director of Little Village Environmental Justice Organization, shared information about the geography of asthma during *The Air We Breathe* event, hosted by The Atlantic in Chicago, IL. To watch Dr. Gupta's discussion, visit: [The Geography of Asthma](#).



Nicholson STEM Academy Health Fair

On April 19th, the SOAAR team was joined by 11 Francis W. Parker High School students in staffing education tables at a health fair hosted by Nicholson STEM Academy's in Englewood, Chicago. Together, we provided approximately 50 attendees with asthma and food allergy-related educational materials and training demonstrations.

To read more about this event, visit [SOAAR's blog page](#).

Learn more about SOAR's research:

- Visit SOAR's website: <http://www.ruchigupta.com>
- Like us on Facebook: [facebook.com/foodallergyexperience](https://www.facebook.com/foodallergyexperience)
- Follow us on Twitter: twitter.com/ruchisgupta

Questions?

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