

# **NASPGHAN FOUNDATION** For Children's Digestive Health & Nutrition

Mission Statement: The NASPGHAN Foundation funds and supports the professional and patient education and research missions of NASPGHAN.

# 2023 ANNUAL REPORT

The Mission of the North American Society for Pediatric Gastroenterology, Hepatology and Nutrition is to be a world leader in research, education, clinical practice and advocacy for Pediatric Gastroenterology, Hepatology and Nutrition in health and disease.



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Ann O. Scheimann MD, MBA – President Johns Hopkins School of Medicine, Baltimore, MD

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### Dear Colleagues and Friends:

I am honored to present the biennial report of the NASPGHAN Foundation. We are extremely grateful for the collaborative efforts of so many who have kept us navigating forward over the past two years. Although the finances of the Foundation have allowed continuing support of grants and educational activities for NASPGHAN members, the changes in financial markets necessitate collaboration between the financial committees of NASPGHAN and the NASPGHAN Foundation to ensure long term sustainability as the organization enters the next 50 years.

The mission of the Foundation continues to revolve around funding and supporting Ann Scheimann MD, MBA the professional, patient education and research missions of NASPGHAN via support of innovative research and educational campaigns on behalf of the "NASPGHAN Family" - our membership, our patients, and their families. Our grants program nurtures research in multiple arenas including basic, clinical, and guality-improvement research for NASPGHAN/CPNP and APGNN members as they grow through their careers (young investigator through established investigator) including recent summer research funding for URiM students to plant the seed. Over the years, NASPGHAN's research support has laid the groundwork for advancements in our field and served a critical role in building successful careers for many of our colleagues.

The educational activities supported by the Foundation provide important learning opportunities for our members, our referring primary care colleagues, and our patients and families. The breadth of educational offerings have included webinars, immersion courses (N<sup>2</sup>U), slide decks and patient-facing materials as outlined in this report. We are grateful for the continued support for these campaigns by our partners which have demonstrated continued success (even during the pandemic).

This report will summarize our current grants program and acknowledge the recipients of our grants and awards.

The foundation for our success hinges upon the efforts of many but starts with an amazing team of individuals who volunteer their time and efforts to the Foundation, including the Executive Committee, Board of Directors, Advisory Board, NASPGHAN committees, along with the leaders and contributors who aid in the review of grants and creation of educational and patient focused education campaigns. And of course, none of this would be possible without the bedrock of NASPGHAN – the talented team in the "home office". We are grateful for the contributions of our Corporate Partners who provide support of educational campaigns and opportunities for career advancement of trainees and junior faculty including DEI initiatives within NASPGHAN. We value the continued partnership with the Crohn's and Colitis Foundation to support pediatric IBD research among young investigators and develop educational materials for families of children with IBD.

Finally, I want to thank the NASPGHAN membership and members of our affiliate organizations who support the Foundation through charitable donations. "We are NASPGHAN!" Your engagement and generosity have been critical over the first 50 years of NASPGHAN and essential to the future of our specialty and the health/well-being of the children and families we care for.

Sincerely,

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Ann Scheimann MD, MBA President, NASPGHAN Foundation



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# DIVERSITY EQUITY & INCLUSION (DEI) INITIATIVES 2022 – 2023

### TEACHING AND TOMORROW UNDERREPRESENTED IN MEDICINE (URIM) PROGRAM

The Pediatric GI Teaching and Tomorrow Program of NASPGHAN strives to attract the brightest residents to subspecialty training in pediatric gastroenterology, hepatology and nutrition. Due to the excellent interest in this innovative NASPGHAN program, we have seen continual growth in the interest and applications to GI training programs through the years. This program has been recently expanded to provide scholarships to interested 1<sup>st</sup> and 2<sup>nd</sup> year pediatric residents and 4<sup>th</sup> year medical students who self-identify as Underrepresented in Medicine (URiM). In addition to networking with other participants while attending the program's scheduled sessions, the URiM program attendees are matched up with a NASPGHAN fellow and/or attending physician (a Teaching and Tomorrow Program alumnus) who serves as a point of contact and ambassador to the Annual Meeting. We were able to support 4 students in 2022 and 17 in 2023.

Supported by educational grants from Takeda Pharmaceuticals Inc., Nutricia, Children's Hospital of Philadelphia and Functional Formularies.

### URIM NASPGHAN/NASPGHAN FOUNDATION MEDICAL STUDENT MENTORED SUMMER RESEARCH PROGRAM

The URIM NASPGHAN/NASPGHAN Foundation Medical Student Mentored Summer Research Program takes place at multiple sites throughout the U.S. and Canada and provides medical students who self-identify as URIM with a 10-week research experience under the mentorship of basic or clinical scientists with a research focus in pediatric gastroenterology, hepatology, or nutrition. Candidates for these scholarships must have completed at minimum their first year of medical training and be in good standing at accredited medical schools in the U.S. and Canada. Preference is given to students who are seeking a research experience between the first and second years of medical school, though applications from all currently enrolled students are considered. These students are also invited to attend the Annual Meeting, present a poster of their project and participate in the Teaching and Tomorrow Program. We were able to support 4 students in 2022 and 2023.

Supported by an educational grant from Takeda Pharmaceuticals Inc.







# EDUCATION -

The Foundation supports the educational mission of NASPGHAN through a diverse portfolio of professional and public education initiatives. The Foundation's goal is to educate medical professionals and the public, and to support the development of new knowledge through research. The primary objectives are to improve the quality of life and to improve health outcomes through education, early detection and evidence-based care.

# EDUCATIONAL RESOURCES-

### NASPGHAN LearnOnLine

NASPGHAN LearnOnLine is our go-to site for continuing education, housing all of our educational offerings in one location. Many of the over 200 offerings are available for CME and MOC Part II credit.



# NEW IN 2022-2023 -

### Webinars and On-Demand Educational Modules

### • EGIDs: Beyond the Esophagus

EGIDs are a collection of chronic inflammatory diseases including Eosinophilic Esophagitis (EoE), Eosinophilic Gastritis (EG), Eosinophilic Gastroenteritis (EGE), and Eosinophilic Colitis (EC). Among the EGIDs, EoE has become an increasingly recognized and studied condition. Validated metrics have been established to quantify quality of life, symptoms, histologic and endoscopic findings. In addition, there are well-established, effective treatments. The same cannot be said for EG, EGE, or EC, which lacks well established histologic criteria for diagnosis, and has a more unclear natural history, nor wellestablished treatments. EGIDs: Beyond the Esophagus brings to light the latest on non-EoE EGID, including the signs and symptoms; the criteria to make a diagnosis; what options exist for therapy, and the potential mechanisms of disease.

Supported by an educational grant from Allakos.

### • Practical Tips in the Nutritional Management of Children with Cholestatic Liver Disorders: A Webinar for Patients, Families and Caregivers

This webinar explores practical approaches to the nutritional management of children with cholestatic liver diseases, with special tips for patients and caregivers. Participants learn the clinical presentation and long-term implications of malnutrition and fat-soluble vitamin deficiencies in children with cholestatic liver disorders, become acquainted with differences among the currently available formulation to support nutrition in cholestatic babies, and the currently available vitamin supplements and formulations. The lack of insurance coverage for medical food and vitamins is also discussed.

Supported by educational grants from Mirum Pharmaceuticals, Inc., Albireo Pharma, Inc., and Travere Therapeutics.

### Children with Cholestatic Liver Disease: Diagnostics

Cholestatic jaundice is a rare presentation of various hepatobiliary, metabolic, and genetic disorders. Cholestasis typically presents in the neonatal/infantile period but can also present late in older children or even adults. Early diagnosis and appropriate management of the underlying condition are of paramount importance for optimal prognosis. Diagnosis of cholestasis needs an array of investigations including blood tests, imaging, genetic testing, and invasive procedures like liver biopsy. Liver biopsy is one of the central crucial investigations done in evaluating children with cholestasis, however, can be associated with complications including bleeding. Understanding when to use a liver biopsy in children with cholestasis along with its limitations is extremely important to gain the maximum benefit out of an invasive procedure. Over the last decade, the growth in genetic techniques and the identification of new genes leading to cholestasis in children have evolved significantly and have led to the shrinking of the unidentified etiologies.

This webinar addresses the rapidly evolving field of genetic Cholestasis and when to perform a liver biopsy, its utility, and limitations.

Supported by educational grants from Albireo Pharma Inc., Mirum Pharmaceuticals, Inc., and Travere Therapeutics.

### Medical Management of Chronic Pancreatitis in Children: Maximizing Treatment and Improving Outcomes

Chronic pancreatitis (CP) in children is associated with significant morbidity and poor quality of life. The incidence of CP in children has risen over the past few decades and is approaching that seen in the adult population. CP is an inflammatory disease resulting in irreversible changes in the pancreas including acinar cell loss, fibrosis, ductal changes, and calcifications. Patients with CP may suffer from abdominal pain and complications of exocrine pancreatic insufficiency (EPI) and diabetes mellitus. Medical Management of Chronic Pancreatitis in Children: Maximizing Treatment and Improving Outcomes brings together leading experts to discuss how to ensure that childhood CP is recognized early and its sequalae treated promptly.

Supported by an educational grant from AbbVie.

### Removing Dieting from Diet Therapies in Pediatric GI (A CPNP Webinar)

Obesity was declared an epidemic by the CDC in the 1990s, yet significant and sustained weight loss continues to be problematic for Americans as a population. Critical factors are often overlooked when addressing obesity such as racial discrimination, disability status, and environmental factors. In conjunction, "weight stigma", or bias that devalues people with larger bodies, can cause increased morbidity and mortality, independent of BMI. As a response, a movement is taking place, known by several names including "anti-diet" or "intuitive eating". This is an inclusive movement that recognizes one's size as part of his or her identity as much as race, national origin, and sexuality. It considers social, economic, and physical barriers to obesity, rather than assuming lack of willpower or education are the cause. It's about recognizing "diet culture" and dismantling the anti-fat and pro-thin messages that infiltrate society. This informative and interactive webinar helps healthcare providers recognize weight stigma and promote a positive relationship with food, particularly in patients with GI-related health conditions and those following therapeutic diets.

Supported by an educational grant from Abbott.

### The What, How and Ifs of Optimizing Early Childhood Growth and Long-Term Outcomes: Part One

Understanding normal growth and development is critically essential for quick recognition and intervention for deviations in childhood growth and nutrient intake practices associated with increased risk for disease and poor long-term health. Nutrient and non-nutrient factors influence health outcomes throughout the lifecycle. This webinar and podcast series, The What, How and Ifs of Optimizing Early Childhood Growth and Long-Term Outcomes discusses how to implement nutrient and non-nutrient factors that optimize long-term health, recognize childhood growth and nutrient intake patterns associated with disease, childhood microbiome and long-term risk for disease, and early diagnosis and management strategies for childhood feeding disorders.

Supported by an educational grant from Reckitt Mead Johnson Nutrition.

### The What, How and Ifs of Optimizing Early Childhood Growth and Long-Term Outcomes: Part Two

Understanding normal childhood growth is essential for quick recognition and intervention for deviations in growth and nutrient intake associated with long-term risk for disease and poor health. Therefore, the 'what, how, and ifs of optimizing childhood growth and long-term outcomes' webinar series addresses the knowledge and practice gaps about nutrient and non-nutrient factors essential for optimizing long-term health outcomes.

The first webinar addresses the early life nutritional factors that promote healthy growth, the development of a microbiome associated with optimized long-term health, and the recognition of early childhood growth patterns related to long-term risk for overweight and obesity. This Part Two webinar focuses on a nutritional assessment approach that guickly recognizes disease, nutritional management of childhood feeding disorders, and principles and strategies for weaning children from dependence on tube feeds.

Supported by an educational grant from Reckitt Mead Johnson Nutrition.

### Bowel Sounds Episodes on Early Nutrition

Bowel Sounds is a podcast on all things related to pediatric gastroenterology, hepatology, and nutrition. Episodes feature interviews with experts offering clinical and academic pearls and career advice with something for everyone regardless of career stage or discipline. New episodes are released every other Monday. As a companion piece to the webinars, two Bowel Sounds episodes which focused on early childhood nutrition included: Early Life Nutrition and Impact on Childhood Development and The Role of the Microbiome in Healthy Infant and Early Childhood Nutrition.

Supported by an educational grant from Reckitt Mead Johnson Nutrition.

### Children with Cholestatic Liver Disease: Nutrition

Children with cholestatic liver diseases have unique nutritional requirements. Without bile reaching their intestines, they often suffer from fat-malabsorption and associated consequences. As a result, they require formulas with special fat preparations, as well as intensive monitoring to ensure adequate growth. They also often have fat-soluble vitamin deficiencies requiring aggressive supplementation. In this webinar, nutritional considerations in children with cholestasis are discussed, with special emphasis on nutritional support and vitamin/micronutrient deficiencies.

Supported by educational grants from Albireo Pharma Inc., Mirum Pharmaceuticals, Inc., and Travere Therapeutics.

### Children with Cholestatic Liver Disease: Pruritis Management Pruritus is a common complication of cholestatic liver disease that can significantly impair quality of life. Intractable pruritus is an indication for liver transplant regardless of PELD/MELD score. The pathophysiology of pruritus is complex. Several medications serve as standards for treatment, and recent advances in quantification has allowed for rigorous and controlled study of new medications. In certain circumstances, liver transplant can be avoided or delayed with surgical biliary intervention.

Supported by educational grants from Albireo Pharma Inc., Mirum Pharmaceuticals, Inc., and Travere Therapeutics.

### Hepatitis C Slide Set and Grand Rounds

HCV infection in children is frequently unrecognized. Recently proposed universal testing strategies during pregnancy need to be implemented, and although liver disease is generally mild in children, chronic hepatitis and cirrhosis does occur. There is a wide range of pressing needs regarding screening, diagnosis, and increasing awareness in order to achieve the ultimate goal of disease eradication. Components of the program include an informational slide deck, a thirty-city Grand Rounds program, and two American Academy of Pediatrics chapter webinars in New York and Maryland with the goal of increasing HCV awareness. The slide set is available to members on LearnOnLine for CME and MOC Part II credit. In addition, new patient information has been added to the GIKids website.

Supported by an educational grant from Gilead Sciences.

### NASPGHAN Nutrition University (N<sup>2</sup>U)

This course is designed to provide specialized nutrition education in areas associated with the practice of pediatric gastroenterology and nutrition to 3rd year fellows, junior faculty and dietitians. It targets two groups: candidates who received minimal nutrition education during their fellowship or who plan to pursue pediatric nutrition as their career focus. The course includes "hot" topic discussions and a nutrition Jeopardy competition, along with a series of challenging cases which are presented in a small group setting. Topics covered include diagnosis of pediatric malnutrition; failure to thrive and feeding disorders; micronutrient deficiencies; critical care nutrition; short bowel syndrome/malabsorption obesity; nutritional management of cystic fibrosis; food allergy and eosinophilic esophagitis; nutritional therapy in inflammatory bowel disease and nutrition support in chronic liver disease.

Supported by an educational grant from Nutricia North America.

### NASPGHAN Fellows Toolbox Website



The NASPGHAN Toolbox website is designed to deliver pediatric gastroenterology information to care providers in a format that is user friendly. The toolbox provides easy access to clinical guidelines for pediatric gastroenterologists and trainees and is now available as a distinct website linked from the NASPGHAN website. Features of the Toolbox include algorithms to

navigate clinical guidelines for various diseases; high guality images of GI pathology; helpful tables on managing nutritional needs; scores and calculators to assist in calculating important pediatric GI scores; and a convenient search feature.

Supported by an educational grant from Reckitt Mead Johnson Nutrition.

### Junior Faculty Conference (December 2022 and 2023)

NASPGHAN and the NASPGHAN Foundation organized a stand-alone conference devoted to the career and professional development of our members at a junior level in their professional career, i.e. 2 to 7 years out of fellowship training. This conference addresses ongoing professional development for members at the junior level of their career, continues to nurture and augment existing and new professional relationships and collaboration, and covers such topics as expanding self-awareness and personal leadership styles, improving communication, diversity and inclusion, increasing financial acumen and strategic planning, negotiation strategies, and more.

Supported by an educational grant from Fresenius Kabi.

### Digital Interactive Gastroenterology Education Suite for Trainees (DIGEST) (Coming soon)



DIGEST is a free, online curriculum for resident-level learners in pediatric gastroenterology. DIGEST allows learners to asynchronously participate in knowledge transfer of core gastroenterology topics and increase confidence and skills related to general pediatric gastroenterology procedures.

Supported by an educational grant from Abbott.

### Blenderized Tube Feeding Patient Education Materials and Tik Tok (Coming Soon)

Blenderized tube feedings (BTF) consist of whole foods and purees typically mixed in a blender and provided through a feeding tube as either the sole source of nutrition or as part of the nutrition support regimen. The blend may range from being prepared from a homemade recipe to a commercial formula mixed with pureed baby food, or any variety of commercially available ready to use BTFs. BTF can improve volume tolerance, facilitate the transition from enteral to oral feedings and has been shown to reduce pulmonary and gastrointestinal hospitalization risks in children and adults. Despite these results, apprehensions have been raised regarding microbial contamination, concerns around safety, nutritional adequacy, and deficiencies or surplus, and lack of consistency on clinical outcomes.

To better address the gaps in knowledge and to increase awareness and to familiarize our pediatric gastroenterologist members and dietitians with BTF, the NASPGHAN Foundation and CPNP created an educational material patient information handout to be included under digestive topics on the GIKids website (English, Spanish and French) with a complementary TikTok format given by RDs (CPNP) discussing these important topics.

Supported by an educational grant from Functional Formularies.

### EoE Patient Education Video (Coming Soon)

Children and young adults experience learning through a variety of platforms, and today's youth are particularly exposed and reliant on visual forms of learning. This educational video on EoE directed at children and young adults with the disease has the potential to increase health literacy, encourage a constructive dialogue about the disease between parents and their children, and ultimately increase compliance and improve medical outcomes.

Supported by an educational grant from Takeda Pharmaceuticals, Inc.

### Children with Cholestatic Liver Disease: Liver Disease Transplantation (Coming-December 2023)

It is important to correctly assess the point at which liver disease cannot be managed by medical therapies alone and a transplant is warranted. The risks and benefits of transplantation and the exchange of one chronic disease state to another must be discussed with families. This webinar, the fourth in a four-part series on Children with Cholestatic Liver Disease, discusses indications for a liver transplant and post-transplant management in children with cholestasis, with particular emphasis on organ allocation.

Supported by educational grants from Albireo Pharma Inc., Mirum Pharmaceuticals, Inc., and Travere Therapeutics.







# RESEARCH

The NASPGHAN Foundation is dedicated to:

- Advancing medical knowledge and technology
- Caring for patients with digestive disorders
- Educating physicians and the public
- Supporting affected children and their families

While broad in nature, these activities are integrally linked and rely on research for their advancement. In this context, the NASPGHAN Foundation has been a source of research support and leading partners with government, industry, and relevant agencies to help fund research initiatives.

# GRANTS AND AWARDS

The future of our subspecialty rests with its trainees and young professionals. A pipeline of research talent into NASPGHAN will ensure the long-term vitality of our profession as practitioners of state-of-the-art, evidence-based medicine.

The Foundation has awarded more than 175 investigator-initiated grants totaling more than \$12,000,000 to NASPGHAN members with an outstanding track record of converting these awards into NIH and CIHR-funded grants.

### NASPGHAN Foundation/Alcresta Research Award for the Study of Pancreatic Disease in Children for Pediatric GI Fellows & Junior Faculty

This award will support studies focused on improving patient outcomes in areas of unmet medical needs with a focus on pancreatic insufficiency or fat malabsorption, which results in malabsorption common in cystic fibrosis, digestive cancers, preterm birth, and other serious diseases.

- 2022 Zachary Sellers MD, PhD Stanford University, Palo Alto, CA A COMPLEX ORGANOID MODEL TO ELUCIDATE THE RELATIONSHIP BETWEEN PANCREATITIS AND AUTOIMMUNE INTESTINAL DISEASE CO-OCCURRENCE
- 2023 Vikram Raghu MD, MS, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA HEALTH UTILITY MEASUREMENT IN PEDIATRIC INTESTINAL FAILURE

Supported by an educational grant from Alcresta Therapeutics, Inc.

Zachary Sellers MD, PhD



Vikram Raghu MD, MS, UPMC

### **Crohn's & Colitis Foundation/NASPGHAN Foundation IBD Young Investigator Award**

This grant, in partnership with the NASPGHAN Foundation and the Crohn's & Colitis Foundation, is available to research fellows or junior faculty. Applications must propose original clinical, translational, epidemiological, or basic scientific research that is related to pediatric inflammatory bowel disease.

### 2022 – Lauren Collen MD

Boston Children's Hospital, Boston, MA CHARACTERIZATION OF DEFECTIVE STAT3 ACTIVATION IN PATIENTS WITH VEO-IBD

2023 – Valentina Poli PhD Boston Children's Hospital, Boston, MA NFAT ACTIVATION IN PLATELETS CONTROLS IBD SEVERITY



Lauren Collen MD



Valentina Poli PhD

**NASPGHAN Foundation George Ferry** Young Investigator Development Award

This grant is available to junior faculty to support research activities that have the potential for evolution to an independent research career in pediatric gastroenterology, hepatology or nutrition. The award supports a meritorious research project in the clinical or basic sciences to study the diseases of the gastrointestinal tract, liver or pancreas and nutritional disorders in children.

### ♦ 2022 – Alyssa Kriegermeier MD

Ann and Robert H. Lurie Children's Hospital of Chicago, Chicago, IL DEFINING AGE-DEPENDENT DIFFERENCES IN XBP1S FUNCTION AND APOPTOSIS IN MURINE MODELS OF CHOLESTASIS

 2023 – Marisa Gallant Stahl MD, MSCS Children's Hospital Colorado, Aurora, CO GENETIC RISK PROFILES OF CELIAC DISEASE IN DOWN SYNDROME

Supported by donations from the NASPGHAN membership.



**Alyssa Kriegermeier MD** 



**Marisa Gallant Stahl MD, MSCS** 

### **NASPGHAN Foundation/Reckitt-Mead Johnson Nutrition Research Young Investigator Development Award**

This grant is available to junior faculty to support research activities that have the potential for evolution to an independent research career in pediatric gastroenterology, hepatology or nutrition. This grant is awarded to support a meritorious basic or clinical research project relating to nutrition in infancy, childhood or adolescence.

- 2022 Jason (Yanjia) Zhang MD, PhD Boston Children's Hospital, Boston, MA THE ROLE OF THE MICROBIOME IN THE GUT-BRAIN SATIETY AXIS
- 2023 Naomi Tjaden MD, PhD Children's Hospital of Philadelphia, Philadelphia, PA DEFINING MECHANISMS AND DISCOVERING MEDICINES: DIET-DRIVEN DYSBIOSIS INFLUENCES SURVIVAL IN HIRSCHSPRUNG DISEASE ASSOCIATED ENTEROCOLITIS

Supported by an educational grant from Reckitt Mead Johnson Nutrition.

### **NASPGHAN** Foundation Mid-Level Career Development Award

The mid-level career development award is for NASPGHAN members pursuing research in pediatric gastroenterology, hepatology and nutrition and are at a midlevel in their career. The grant funds the advancement of research careers for applicants with significant promise in their mid-years as faculty.

2022 – Michelle Maddux PhD

Children's Mercy Hospital and Clinic, Kansas City, MO ADHERENCE MONITORING AND INTERVENTION IN PEDIATRIC HEALTHCARE: DEVELOPMENT AND IMPLEMENTATION OF A CLINICAL DECISION SUPPORT SYSTEM

 2023 – Amy Feldman MD Children's Hospital Colorado, Aurora, CO LIVING DONOR LIVER TRANSPLANT: IS IT A COST-EFFECTIVE OPTION FOR CHILDREN IN NEED OF TRANSPLANTATION?





Jason (Yanjia) Zhang MD, PhD



Naomi Tjaden MD, PhD





**Michelle Maddux PhD** 



**Amy Feldman MD** 

### **NASPGHAN Foundation/AstraZeneca Research Award for Disorders of the Upper Gastrointestinal Tract**

This grant will provide support for studies focused on the epidemiology, pathogenesis, natural history, genetics, diagnosis and management of peptic disorders and other diseases of the upper gastrointestinal tract in children. Diseases that are relevant to this grant include, but are not limited to gastroesophageal reflux, reflux esophagitis, eosinophilic (allergic) esophagitis, motility disorders of the upper gastrointestinal tract, Helicobacter pylori infection with or without ulceration, non-ulcer dyspepsia, and non-bacterial ulcer diseases. Applicants at any career level may apply.

### 2022 – Amanda Muir MD

Children's Hospital of Philadelphia, Philadelphia, PA ADENOSINE SUPPORTS EPITHELIAL HOMEOSTASIS IN EOSINOPHILIC ESOPHAGITIS

Supported by an educational grant from AstraZeneca.

### NASPGHAN Foundation/EvoEndo Medical Research Award for the Study of Unsedated Upper Gastrointestinal Tract Endoscopy in Children

This award provides support for two years of studies focused on unsedated upper gastrointestinal tract endoscopy in children. Relevant areas of interest related to unsedated upper gastrointestinal tract endoscopy include but are not limited to: technology adoption, safety, cost/economic assessments, feasibility, efficacy, quality improvement, and novel indications. Any pediatric gastrointestinal process may be the target of the study.

### 2023 – Catharine Walsh MD

The Hospital for Sick Children, Toronto, Ontario, Canada and Lisa Mahoney MD

### Boston Children's Hospital, Boston, MA

DEVELOPMENT AND VALIDATION OF A NOVEL OBJECTIVE SKILLS ASSESSMENT TOOL FOR THE EVALUATION OF UNSEDATED PEDIATRIC TRANSNASAL ENDOSCOPY (NOSE UP Study)

Supported by an educational grant from EvoEndo.

### NASPGHAN Foundation/Takeda Pharmaceuticals America, Inc. **Research Innovation Award**

This grant funds innovative, high-impact research in pediatric gastroenterology, hepatology and nutrition. The intent of this research award is to stimulate scientific inquiry in an area that is exceptionally innovative and has the potential to impact the field in a highly novel manner.

### 2023 – John Fortunato, Jr. MD

Ann and Robert H. Lurie Children's Hospital of Chicago, Chicago, IL A NOVEL DIGITAL HEALTH APPROACH TO ASSESSMENT OF PEDIATRIC DISORDERS OF **GUT-BRAIN INTERACTION (DGBIs)** 

Supported by an educational grant from Takeda Pharmaceuticals America, Inc.



**Amanda Muir MD** 



**Catharine Walsh MD** 



Lisa Mahoney MD



John Fortunato, Jr. MD

### **NASPGHAN** Foundation **Innovations in Clinical Care Grant**

The aim of this grant is to encourage and support the development of innovative approaches to optimize the quality of care and health care delivery to children with digestive diseases by the clinically focused pediatric gastroenterologist.

### • 2022 – Sarah Lowry MD

Johns Hopkins University, Baltimore, MD ROLE OF CYTOCHROME P450 GENOTYPES IN IDENTIFYING OFFENDING DRUGS IN DRUG-INDUCED LIVER INJURY IN CYSTIC FIBROSIS POPULATION

### 2022 – Jaclyn Siegel DO

Baylor College of Medicine, San Antonio, TX HOME EMPOWERMENT RESPONSE ORGANIZATION (HERO) CENTER: IMPROVING QUALITY OF DISCHARGE EDUCATION FOR PEDIATRIC PATIENTS WITH ENTERAL FEEDING TUBES





Sabina Ali MD

**Hilary Michel MD** 

**NASPGHAN Foundation/QOL Medical Research Award** for the Study of Disorders Associated with Carbohydrate Maldigestion/Malabsorption in Children

This award provides funding for studies focused on disorders of carbohydrate (CHO) maldigestion/malabsorption in children, either primary or secondary. Relevant conditions include, but are not limited to, lactose intolerance, congenital sucrose-isomaltase deficiency, congenital enteropathies that impact intestinal epithelial cell function, or inflammatory conditions affecting CHO absorption.

### 2022 – Anna Hunter MD

Oregon Health and Science University, Portland, OR APPROACH TO DIETARY FRUCTOSE INTOLERANCE AS A DYSBIOTIC STATE IN CHILDREN. CLINICAL INTERVENTION OF DECREASING ADDED SUGAR INTAKE COMPARED TO LOW FODMAP DIET. IMPACT ON MICROBIOME AND METABOLOME

### 2023 – Ruben Colman MD

Stanford University School of Medicine, Palo Alto, CA LEVERAGING MICROBIAL PHARMACODYNAMIC BIOMARKERS TO GUIDE PRECISION DOSING FOR CHILDREN WITH CROHN'S DISEASE



Nationwide Children's Hospital, Columbus, OH STOP VTE: STANDARDIZED TOOL FOR PROPHYLAXIS VTE



Sarah Lowry MD



**Jaclyn Siegel DO** 



Anna Hunter MD



**Ruben Colman MD** 

### **NASPGHAN Foundation/CPNP Nutrition Research Grant**

This grant is available to pediatric dietitians to support research activities that have the potential to advance the nutrition care of patients and families of children with nutritional disorders.

### 2022 – Sharon Weston MS, RD, LDN

### Boston Children's Hospital, Boston, MA

UTILIZATION OF A HOSPITAL-BASED FOOD PANTRY AND ASSOCIATED NUTRITION EDUCATION AND COOKING PROGRAM FOR PATIENTS WITH CELIAC DISEASE

### ♦ 2022 – Nicole Misner MS, RD

### University of South Florida, Tampa, FL

A SINGLE CENTER INITIATIVE TO IDENTIFY PREVALENCE OF AND DIAGNOSES ASSOCIATED WITH FOOD INSECURITY AMONGST PEDIATRIC GASTROENTEROLOGY PATIENTS



LD, LMT

 2023 – Jennifer Smith MS, RD, CSP, LD, LMT Nationwide Children's Hospital, Columbus, OH PREVALENCE OF AVOIDANT/RESTRICTIVE FOOD INTAKE DISORDER (ARFID) IN ADOLESCENTS WITH INFLAMMATORY BOWEL DISEASE (IBD)

Supported by an educational grant from QOL Medical, LLC.



Sharon Weston MS, RD, LDN



Nicole Misner MS, RD



Mary Gallotto RN, BSN, CPN



**NASPGHAN Foundation/Abbott Nutrition** Advanced Fellowship Training in Pediatric Nutrition

The NASPGHAN Foundation/Abbott Advanced Fellowship in Nutrition supports one year of advanced training in pediatric nutrition. The primary objective of the fellowship is to catalyze and increase the number of highly-trained, expert nutrition clinicians, educators and scientists among the membership of NASPGHAN, as a means to improve service to our patients and the public.

◆ 2022 - Sarah Saeed Abu-Alreesh MD

Children's Hospital of Philadelphia, Philadelphia, PA MICROBIALLY-DERIVED VOLATILE METABOLITES IN PEDIATRIC NON-ALCOHOLIC FATTY LIVER DISEASE

### 2023 – Elaine Lin MD

Hassenfeld Children's Hospital at NYU Langone, New York, NY USE OF AN IN-LINE DIGESTIVE CARTRIDGE IN SHORT BOWEL

Supported by an educational grant from Abbott.

### **NASPGHAN Foundation/APGNN Susan Moyer Nursing Research Grant**

This grant is available to pediatric gastroenterology, nutrition and hepatology nurses to support research activities that have the potential to advance nursing care of patients and families of children with gastrointestinal, hepatobiliary, pancreatic or nutritional disorders. The grant is awarded in support of meritorious research projects to study the nursing care of families and children with pediatric gastrointestinal, hepatobiliary, pancreatic or nutritional disorders.

- 2022 Mary Gallotto RN, BSN, CPN Boston Children's Hospital, Boston, MA HOME PARENTERAL DIGITAL RE-EDUCATION CURRICULUM
- ◆ 2023 Christina Greeson MSN, CPNP-PC

UNC Health Care, Graham, NC PEDIATRIC FEEDING DISORDERS: A QUALITY IMPROVEMENT INITIATIVE TO IMPROVE DOCUMENTATION IN THE PSYCHOSOCIAL DOMAIN

**Christina Greeson MSN, CPNP-PC** 

### **NASPGHAN** Foundation Advanced Fellowship Training in Pediatric Endoscopy

The NASPGHAN Foundation Advanced Fellowship Training in Pediatric Endoscopy supports one year of advanced endoscopy training in the pediatric arena. The objective of the fellowship is to address the growing need for pediatric gastroenterologists who are skilled in advanced endoscopic procedures and provides a pathway for training of pediatric experts.

2022 – Diana Lerner MD

Medical College of Wisconsin, Milwaukee, WI EFFICACY AND SAFETY OF PROLONGED ESOPHAGEAL STENTING FOR REFRACTORY BENIGN ESOPHAGEAL STENOSIS

### ♦ 2023 – Alexander Coe MD Children's Hospital of Philadelphia, Philadelphia, PA

USE OF EUS IN PEDIATRIC PERIANAL CROHN'S DISEASE AND PEDIATRIC EUS DATABASE

Supported by an educational grant from Olympus America, Inc.



Sarah Saeed Abu-Alreesh MD



**Elaine Lin MD** 



**Diana Lerner MD** 



**Alexander Coe MD** 

# SPECIAL RECOGNITION AWARDS

The NASPGHAN Foundation is fortunate to be the beneficiary of donations to acknowledge, honor, and commemorate special individuals' lives and work.

### Gerard B. Odell Award

Dr. Odell, a professor of pediatrics at the Johns Hopkins School of Medicine, was a pediatric liver specialist. Later in his career, he established the pediatric gastroenterology division at the University of Wisconsin. He was a passionate scientist and his research on bilirubin metabolism and hepatobiliary disorders was a point of immense career pride. The award was developed to promote research and excellence in hepatology.

### 2022 – James Stevens MD

Emory University, Children's Healthcare of Atlanta Inc., Atlanta GA A TRANSITION PROGRAM AND NOVEL JOINT PEDIATRIC-ADULT CLINIC MODEL DECREASES ADULT MORTALITY IN PEDIATRIC LIVER TRANSPLANT RECIPIENTS

### 2023 – Alexander Miethke MD

Cincinnati Children's Hospital Medical Center, Cincinnati, OH EFFICACY AND SAFETY OF MARALIXIBAT IN PATIENTS WITH PROGRESSIVE FAMILIAL INTRAHEPATIC CHOLESTASIS (MARCH): A RANDOMIZED PLACEBO-CONTROLLED PHASE 3 STUDY

> Amin Tjota Award for the Outstanding Abstract in Pancreatic Research

This award honors the memory of the late Dr. Amin Tjota and has been developed to promote the pursuit of research related to pancreatic disorders in children.

### 2022 – Cheng-Yu Tsai PhD

Stanford University, Stanford, CA

THE DOUBLE HIT OF ASPARAGINASE AND REDUCED DIETARY VITAMIN A PREDISPOSESLEUKEMIA PATIENTS TO PANCREATITIS

### 2023 – Michelle Saad MD

Cincinnati Children's Hospital Medical Center, Cincinnati, OH FROM ACUTE PANCREATITIS TO DIABETES: RISK FACTORS AND TIMELINE ANALYSIS IN A PEDIATRIC POPULATION STUDY



**James Stevens MD** 



**Alexander Miethke MD** 



Cheng-Yu Tsai PhD



Michelle Saad MD

### Richard J. Grand and John B. Watkins Research Prize for Excellence in Pediatric Gastroenterology, Hepatology and Nutrition

Drs. Grand and Watkins were pioneers in the field of pediatric gastroenterology and helped define our field as we know it today. Drs. Grand and Watkins worked together to build one of the earliest "full service" GI Divisions in the country. The award was developed to promote research and excellence in pediatric gastroenterology, hepatology and nutrition.

2022 – Matthew A. Buendia MD

Vanderbilt University Medical Center, Nashville, TN GPX3 MAY REGULATE FIBROSIS IN EOSINOPHILIC ESOPHAGITIS THROUGH TGF-β SIGNALING

♦ 2023 – Daniel Goldenberg MD Saint Louis University, Saint Louis, MO MITIGATION OF TPN ASSOCIATED GUT AND LIVER INJURY IN SHORT BOWEL SYNDROME THROUGH RECIRCULATION OF DISTAL INTESTINAL CONTENTS BY A NOVEL SYSTEM

### **The William Balistreri** Lectureship

The William Balistreri Lectureship supports a lecture featuring a research and clinical expert who presents cutting edge topics in the fields of gastroenterology, hepatology, nutrition, and pancreatic diseases. The William Balistreri lecture celebrates Dr. Balistreri's career-long commitment to excellence in clinical care, education, research and advocacy. The lecture is given during the Plenary Session at the Annual Meeting.

 2022 – William F Balistreri MD, FAAP Cincinnati Children's Hospital Medical Center, Cincinnati, OH WILLIAM F BALISTRERI LECTURE: 50 YEARS: WHAT WAS HOT ... WHAT WAS NOT!

• 2023 – Reshma Jagsi MD, DPhil Emory School of Medicine, Atlanta, GA PROMOTING EQUITY IN ACADEMIC MEDICINE: AN EVIDENCE-BASED APPROACH



Matthew A. Buendia MD



**Daniel Goldenberg MD** 



William F Balistreri MD, FAAP



Reshma Jagsi MD, DPhil

### **Teri Li Award in Education**

The Teri Li Award recognizes novel or extensive education efforts by junior faculty in NASPGHAN. The award is named in honor of Dr. B Li's spouse, Teri, who was passionately dedicated to quality education all of her life.

- 2022 Brian McFerron MD Riley Hospital for Children, Indianapolis, IN
- 2023 The Bowel Sounds Team / Temara Hajjat MBBS; Jennifer Lee MD; Peter Lu MD; Jason Silverman MD, MSc, FRCPC

The Cyclic Vomiting Syndrome Association (CVSA) Young Investigator Prize in Functional GI Disorders in honor of B Li

This award is given to a young investigator submitting an outstanding scientific abstract focusing on basic science, clinical investigation or outcomes research in the following conditions: Cyclic vomiting syndrome, aerophagia, rumination syndrome, functional dyspepsia, irritable bowel syndrome, or functional abdominal pain.

### • 2022 – Benjamin Jack DO

Walter Reed National Military Medical Center, Bethesda, MD INCREASING TRENDS OF CANNABINOID HYPEREMESIS SYNDROME IN YOUTH: THE GRASS IS NOT ALWAYS GREENER

### • 2023 – Aravind Thavamani MBBS

UH Rainbow Babies and Children's Hospital, Case Western Reserve University, Cleveland, OH

FACTORS ASSOCIATED WITH PROLONGED HOSPITALIZATION IN CHILDREN AND ADOLESCENTS WITH CYCLIC VOMITING SYNDROME



**Brian McFerron MD** 



**The Bowel Sounds Team** 



**Benjamin Jack DO** 



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Your donation through the NASPGHAN Foundation will support the professional and patient education and research mission of NASPGHAN. Your support will enable the Foundation to fund research which will provide insights into diagnosis and treatment of pediatric digestive disorders. Public awareness campaigns provide education and information for children and adolescents affected by digestive and nutritional disorders.



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(Please let us know if the donation is in honor of anyone and where acknowledgement should be sent.)

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# ENDOWMENT OPPORTUNITIES

Richard J. Grand and John B. Watkins Research Prize for Excellence in Pediatric Gastroenterology, Hepatology and Nutrition

Drs. Grand and Watkins worked together to build one of the earliest "full service" GI Divisions in the country. They have been extensively involved in the formative days of NASPGHAN, are both past Presidents of the Society, and both are recipients of the Shwachman Award. It is in the spirit of the work they did together, that this Legacy Award will bear both their names. This award recognizes outstanding achievement in our field to be bestowed at the Annual NASPGHAN Meeting.

• The William F. Balistreri, MD Prize for Excellence in Pediatric Gastroenterology, Hepatology and Nutrition

In honor of his extraordinary devotion to pediatric gastroenterology, hepatology, nutrition, and to NASPGHAN, the William F. Balistreri, MD Prize for Excellence in Pediatric Gastroenterology, Hepatology and Nutrition endows an outstanding speaker at our Annual Meeting.

### The James Heubi Timeline Fund

In 2019, way before any of us could imagine a global shut down or his own untimely and far too early loss – Dr. Heubi envisioned and started work on a "living" timeline on the NASPGHAN website with digital, written and video materials. It is therefore in his honor that NASPGHAN proudly established the Jim Heubi Memorial NASPGHAN Timeline Fund – to support a digest of significant historical events of NASPGHAN over the past half century that is - just as Jim envisioned - a living document that will expand in content as the history of NASPGHAN continues to unfold and our society continues to flourish in future years. Contributions to this fund will ensure that this work is both enduring and endearing.

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• **Donate by Cell:** The NASPGHAN Foundation has an easy way to make donations via your cell phone. Just text 4GIPEDS to 215-608-5488. A donation link will come up that will allow you to make your donation both quickly and securely.

### Teri Li Award in Education

This award recognizes novel and/or extensive educational efforts in pediatric GI for a junior faculty (within 10 years of fellowship). As a Montessori teacher, Teri's lifelong passion was education.

The clinician-educator pathway is currently the most commonly chosen career track amongst GI fellows and junior faculty. There are currently no recognition awards to support novel or extensive efforts in pediatric GI education. By providing recognition, such an award could help further a young faculty member's career as a clinician-educator.

## THE NASPGHAN LEGACY SOCIETY-

The NASPGHAN Legacy Society is open to all individuals who have named NASPGHAN in their long-term plans or created an endowment for our benefit. As a member of the Society, you will be recognized at the Annual Meeting now and in the future for your contribution to the stability and growth of NASPGHAN. You will receive yearly invitations to the VIP Donor Reception at the national meeting and be identified by a special designation on your meeting badge. Whether your contribution is given with a directed purpose (determined by the donor) or provided to create an endowment intended for new initiatives and activities, it will receive yearly acknowledgement. Thus, by becoming a member of the Society, you will forever be recognized as a champion of your society and profession.

### How it Works

- The NASPGHAN Foundation is the fund-raising partner of NASPGHAN, so your gift should be directed to the Foundation.
- Name the NASPGHAN Foundation in your will, codicil to your will, living trust or as a beneficiary of your retirement plan, life insurance policy or donor-advised fund.
- Designate your gift for a particular purpose that is important to you, assign it to the legacy endowment, or allow us to use the gift where the need is greatest at the time it matures. In any case, you immediately become a member of the NASPGHAN Legacy Society.
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