



Fellowship in Pediatric Gastroenterology, Hepatology and Nutrition



NewYork-Presbyterian Morgan Stanley Children's Hospital



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**Sarah Shrager
Lusman, MD**

Fellowship Program
Director
Pediatric Gastroenterology,
Hepatology, and Nutrition

Overview

The fellowship program in Pediatric Gastroenterology is a 3-year, ACGME-accredited program committed to training the next generation of academic pediatric gastroenterologists. The program provides a balanced experience in outpatient and inpatient medicine, excellent procedural training, in-depth didactics and an outstanding environment for research. Fellows consult on a broad range of clinical gastroenterological problems including inflammatory bowel disease, cystic fibrosis, celiac disease, liver disorders, pancreatic disorders, intestinal failure and rehabilitation, and feeding and nutritional disorders.

Trainees benefit from the diverse clinical population seen at a major referral center, with consultations ranging from outpatient referrals to quaternary level inpatient care. Numerous clinical and research conferences provide the strong didactics that are necessary for up-to-date clinical care and research training. In addition to gaining proficiency in outpatient and inpatient pediatric gastroenterology, extensive training is also offered in basic and advanced procedures.

Scholarly work is an emphasized component of the training experience, and Columbia University Irving Medical Center offers a wealth of opportunities. Fellows are expected to participate in and take ownership of basic, clinical, or translational investigative projects and to produce high quality scholarship under the close supervision of an established faculty mentor. Regular committee meetings are organized to monitor and aid in the progress of fellows' scholarly endeavors.

Mission Statement

We strive to guide our fellows as they develop into independent practitioners and scholars who will shape the field of pediatric gastroenterology. We individualize training with each fellow to identify and cultivate strengths and career goals, and develop clinical, procedural and scholarly skills necessary to succeed in a career as an academic gastroenterologist.

Goals of the Program

- Acquire subspecialty-specific knowledge and experience required to become an exemplary academic leader
- Promote progressive independence and confidence for lifelong learning
- Foster compassion, caring and professionalism
- Cultivate strengths and career goals

A Commitment to Diversity and Inclusion

The Pediatric Diversity and Inclusion Council (PDIC) was founded in 2013 to provide a supportive environment for underrepresented-in-medicine residents. Since then, the PDIC has undergone tremendous growth. We have broadened the department's focus from recruiting a diverse housestaff to providing structured diversity and inclusion programming as core elements of our pediatrics training experience. We are committed to recruitment and retention of residents, fellows and faculty who reflect the diverse population that we serve.



The Hospital

New York-Presbyterian Morgan Stanley Children's Hospital, affectionately referred to as CHONY, began in 1887 as an eight-room rented house in midtown Manhattan called Babies Hospital. It became affiliated with the College of Physicians & Surgeons of Columbia University in 1911 and moved to an 11-story building at Columbia Presbyterian Medical Center in 1930. In 1972, a new hospital was built on Broadway at 168th Street, just south of the old hospital, in northern Manhattan. CHONY is now part of New York-Presbyterian Hospital, a network consisting of more than 35 hospitals. It is located at the Columbia University campus, which includes the Milstein Hospital, Neurological Institute, New York Orthopaedic Hospital, Presbyterian Hospital, Sloane Hospital for Women, Institute of Human Nutrition, and Russ Berrie Medical Science Pavilion. In November 2003, the new Morgan Stanley Children's Hospital Tower was opened, making the hospital the largest family-centered children's hospital in New York.

Seidenberg Center for Children's Digestive Health

The Phyllis and Ivan Seidenberg Center for Children's Digestive Health, located in the Morgan Stanley Children's Hospital, opened in 2016 and was made possible by a \$15 million donation from Phyllis and Ivan Seidenberg. It features a multidisciplinary team of specialists who care for children with both simple and complex illnesses. The new center has led to dramatic improvements for patients and physicians, as it includes 15 expansive exam rooms; a workspace for nurse practitioners and dietitians so they are easily accessible to patients; and space for patient education. The center can accommodate patients and staff in ways that serve their needs while maintaining a COVID-safe environment.

Morgan Stanley Children's Hospital has a long and distinguished history. Our record of accomplishments is a rich one and includes the following milestones:

- ◇ *development of the Apgar score for the assessment of the newborn*
- ◇ *first use of the sulfonamides to treat children*
- ◇ *definition of cystic fibrosis and development of the diagnostic sweat test*
- ◇ *first description of child abuse as the "battered child syndrome"*
- ◇ *establishment of standards for the resuscitation of the newborn in the delivery room*
- ◇ *first intrauterine surgery to perform an exchange transfusion*
- ◇ *initial use of intravenous alimentation in premature infants and development of standards for this form of nutrition*
- ◇ *first successful heart transplant in a child*
- ◇ *development of varicella vaccine*

Inpatient Care

- ◆ 24/7 consultation to the hospital which contains a total of 214 pediatric beds including 41 PICU beds, 70 NICU beds as well as an ED with 50,000 Pediatric visits per year.
- ◆ Highest case mix index in the Northeast, second highest in the USA.
- ◆ Phone consultation for local hospitals
- ◆ Initiate and manage parenteral nutrition on all patients in the hospital outside of the NICU
- ◆ Teaching medical students and residents

Clinical Programs

We strive to provide the highest level of compassionate care to the children and families who come to our hospital and outpatient facilities. Our patient population comes from Washington Heights, the greater New York City area, and beyond.



Morgan Stanley Children's Hospital, Inpatient Floor

Inflammatory Bowel Disease Program

- ◇ **Director: Neal Leleiko, MD PhD**
- ◇ **Associate Director: Joseph Picoraro, MD**
- ◇ Multidisciplinary Team: NP, Nutrition, Social Work
- ◇ Collaborators: adult gastroenterology, rheumatology, infectious disease, genetics
- ◇ Educational Conferences
- ◇ Specific interests:
 - ◆ Genetics of IBD and intestinal disorders
 - ◆ Very early onset IBD
 - ◆ Quality improvement

Gastrointestinal Motility Center

- ◇ **Director: Julie Khlevner, MD**
- ◇ State-of-the-art care for children with motility and functional disorders
- ◇ Procedures: pH / impedance, Bravo, esophageal, antroduodenal, colonic and anorectal manometry, biofeedback, BoTox injections
- ◇ Multi-disciplinary programs: Aerodigestive, Esophageal Atresia, Congenital Diaphragmatic Hernia
- ◇ Educational and Scholarly Projects

Pediatric Intestinal Rehabilitation Center

- ◇ **Director: Sivan Kinberg, MD**
- ◇ **Associate Director: Elizabeth Berg, MD**
- ◇ Nutrition, NP, Social work, liaisons in other divisions /ancillary services
- ◇ Approximately 110 Patients
- ◇ 50% on home parenteral nutrition
- ◇ Inpatient and Outpatient Care
- ◇ Dedicated weekly clinic
- ◇ Research and Quality Improvement



Morgan Stanley Children's Hospital, Seidenberg Center for Digestive Diseases, Outpatient Area

Center for Liver Disease and Transplantation

- ◇ **Director: Steven Lobritto, MD**
- ◇ Program has 4 CAQ Transplant Hepatologists
- ◇ Center performs approximately 25 pediatric liver transplants per year, as well as intestinal and multivisceral transplants.
- ◇ Intestinal Transplant program directed by **Mercedes Martinez, MD.**
- ◇ Run by a multidisciplinary team of surgeons, hepatologists, nurse practitioners, physician assistants, nutritionists and social workers
- ◇ Specializes in innovations such as laparoscopic living donation, auxiliary partial liver transplantation, and auto transplantation after *ex vivo* tumor resection.
- ◇ Fellows care for patients with liver disease on the inpatient service, attend hepatology clinics during their first year, and assist with procedures that are unique to this patient population,

Institute of Human Nutrition

- ◇ **#1 Ranked PhD Nutrition Program in the World**
- ◇ Mission: to provide outstanding academic, professional education, and training programs in human nutrition and conduct basic science and translational research on the role of nutrition in human health
- ◇ Scope includes projects, symposia and other initiatives for health practitioners, scientists, policy-makers, educators, and individuals that advance understanding of the importance of nutrition for individuals and populations worldwide.
- ◇ Faculty are within our division and regularly participate in didactic sessions as well as mentoring fellows in their scholarly work

Celiac Disease Center

- ◇ **Director: Jacqueline Jossen, MD**
- ◇ World-renowned celiac disease program for the expert management of adults and children with celiac disease and other gluten-related disorders
- ◇ **Patient Care and Advocacy**
- ◇ **Education**
 - ◆ Patient, family, and provider education
 - ◆ Partnerships with schools
- ◇ **Research**
 - ◆ Registry
 - ◆ Translational research

Nutrition Support

- | | |
|---|--|
| <ul style="list-style-type: none"> ◇ Management of TPN-Inpatient & Outpatient ◇ Malnutrition Screening-Inpatients ◇ Bariatric Services- Outpatient ◇ Education <ul style="list-style-type: none"> ◆ Fellows, residents, nutritionists ◇ Pre and Post Transplant Evaluations | <ul style="list-style-type: none"> ◇ Outpatient Clinic Coverage <ul style="list-style-type: none"> ◆ GI/Nutrition ◆ Liver ◆ Weight Management ◆ Children's Cardiovascular Health ◆ Celiac Disease ◆ Renal ◆ Intestinal Rehabilitation Clinic |
|---|--|



Laura Rothenberg Pediatric Endoscopy and Bronchoscopy Suite

- ◇ Dedicated facility
- ◇ 2 procedure rooms, 3 preoperative examination rooms and 5 recovery bays
- ◇ Full-time coverage by pediatric anesthesiologists and trained endoscopy nurses and technicians, 5 days per week.
- ◇ Provides the latest generation Olympus endoscopes and equipment

Endoscopic Procedures (>1500 per year)

- | | |
|--|-------------------------|
| ◇ Upper endoscopy | ◇ Dilatation |
| ◇ Colonoscopy | ◇ Band ligation |
| ◇ Ileoscopy | ◇ Sclerotherapy |
| ◇ ERCP | ◇ Injection and cautery |
| ◇ Liver biopsy | ◇ Clipping |
| ◇ Polypectomy | ◇ Photocoagulation |
| ◇ PEG placement | ◇ Capsule endoscopy |
| ◇ Endoscopic gastrostomy button change | ◇ Paracentesis |
| ◇ G to GJ tube conversion | ◇ Foreign body removal |
| | ◇ pH / impedance |
| | ◇ Manometry |



Collaborations

- ◇ Cystic Fibrosis Center
- ◇ Food Allergy
- ◇ Eosinophilic Esophagitis
- ◇ Adult GI Disorders
- ◇ Complex Care Program
- ◇ Urology and Orthopedics
- ◇ Bariatric Surgery
- ◇ Obesity
- ◇ Psychiatry

Conferences

- ◆ Pediatric GI Grand Rounds - monthly
- ◆ Pediatric GI Fellows' Conference – weekly
- ◆ Clinical Case Conference – weekly
- ◆ Radiology rounds - ad hoc
- ◆ Pathology rounds – twice a month
- ◆ Nutrition Lecture - monthly
- ◆ Joint Adult/Pediatric GI Conference – quarterly
- ◆ Department of Pediatrics Chief of Service and Grand Rounds – weekly

Program Structure: Year 1

- ◆ Management of the consult and Inpatient service
- ◆ 5.5 months of inpatient gastroenterology
- ◆ 2.5 months of liver / transplant
- ◆ 3 months of elective and scholarly work
- ◆ Procedures with attending supervision
- ◆ Weekly continuity clinic
- ◆ Identify scholarly project and mentor
- ◆ Attend and prepare multiple weekly didactic, clinical and research conferences



Program Structure: Year 3

- ◆ 2 weeks inpatient service
- ◆ Dedicated/Protected scholarly time for completing projects
- ◆ Present at national conferences
- ◆ Prepare manuscripts
- ◆ Prepare grants
- ◆ Weekly continuity clinic
- ◆ Increased independence with clinical and procedural skills

Fellows' Continuity Clinic

- ◆ Care for patients with a wide range of conditions.
- ◆ In-person and telehealth experience
- ◆ Three dedicated and experienced faculty preceptors
- ◆ Fellows are seen as patients' primary physicians
- ◆ Evidence based practice learning and management
- ◆ Progressive autonomy in patient care
- ◆ Cultural sensitivity, compassion and ethical behavior



Program Structure: Year 2

- ◆ 2 weeks inpatient service
- ◆ Dedicated/Protected scholarly time for performing projects
- ◆ Basic science, translational or clinical research
- ◆ Dedicated single mentors at interface of our discipline
- ◆ Additional graduate training in Epidemiology, etc...
- ◆ Attend national research conferences
- ◆ Weekly continuity clinic
- ◆ Further develop clinical and procedural skills through weekend and outpatient calls



Evianna Cruz-Herrera (fellow) and **Jacqueline Jossen** (clinic preceptor)



Entryway leading to the Department of Pediatrics administrative offices and our academic offices



Fellows' Orientation, July 2021

During their orientation, the new pediatric fellows went on a guided walking tour of Washington Heights to learn about the community organizations that provide services to families in the neighborhood. Here, they are meeting with leaders from the Highbridge Recreation Center.

Goals of Research Time

- ◆ **Learn to conduct hypothesis-driven science**
 - ◇ Basic
 - ◇ Translational
 - ◇ Clinical/Epidemiologic
- ◆ **Academic development as a physician-scientist**
 - ◇ Present your work (conferences)
 - ◇ Write grants (funding)
- ◆ **Scholarly work product**

Structure of Research Time

- ◆ **Year 1:**
 - ◇ Identify potential research mentors
 - ◇ Attend lab or research group meetings
 - ◇ Observe a project/lab in action
 - ◇ Read primary literature
 - ◇ Two page abstract with specific aims
 - ◇ Establish SOC with your mentor (Mentor and 2-3 other leaders)
- ◆ **Years 2-3**
 - ◇ 90% protected time for research
 - ◇ SOC meetings semi-annually (Progress, troubleshooting, assistance)
 - ◇ Apply for grant funding beyond fellowship
 - ◇ Research conferences
 - ◇ Work product for ABP

An Abundance of Research Opportunities

- ◆ **Division**
 - ◇ Basic: Microbiome, gut immunology, enteric nervous system
 - ◇ Clinical: Fatty liver disease, transplant hepatology, celiac disease, IBD, motility
 - ◇ Population: obesity, nutrition
- ◆ **Department of Pediatrics**
 - ◇ Allergy/Immunology
 - ◇ Infectious Disease
 - ◇ Critical Care
 - ◇ Genetics
 - ◇ Endocrinology
- ◆ **CUIMC**
 - ◇ NIH U54 Clinical and Translational Research Center
 - ◇ Immunology and Microbiology
 - ◇ Genetics and Development
 - ◇ Pathology and Cell Biology
 - ◇ Biochemistry and Molecular Biophysics
 - ◇ Institute of Human Nutrition
 - ◇ School of Engineering
 - ◇ Bioinformatics and Systems Biology
 - ◇ Mailman School of Public Health
 - ◇ NY State Psychiatric Institute
 - ◇ Howard Hughes Medical Institute



Kimberly Law, 2020 graduate, preparing for her oral research presentation at NASPGHAN 2019 in Chicago

Scholarly Work in our Division

Non-alcoholic Fatty Liver Disease (understanding pathogenesis, biomarkers, non-invasive diagnostic testing, therapies): Ali Mencin, Jennifer Woo Baidal, Wei Shen, Dana Goldner, Elizabeth Berg

Liver Transplantation: Dana Goldner, Steven Lobritto, Mercedes Martinez, Pooja Reddy

Viral Hepatitis: Steven Lobritto

Gut Immunology (role of microbiome in immune development, intestinal transplantation and immunosuppression): Mercedes Martinez

Inflammatory Bowel Disease (genetics, quality improvement): Joseph Picoraro, Neil LeLeiko, Hillary Moore

Intestinal Rehabilitation (nutrition, quality and best practices, prevention of liver disease): Sivan Kinberg, Mercedes Martinez, Elizabeth Berg

Transition of Care: Joseph Picoraro, Sivan Kinberg, Elizabeth Berg

Obesity (body composition, early life interventions to eliminate socioeconomic disparities): Jennifer Woo Baidal, Wei Shen

Celiac Disease (epidemiology, quality of life, natural history): Amy DeFelice, Jacqueline Jossen

Cystic Fibrosis (nutrition, pancreatic enzyme replacement therapy): Sarah Lusman

Motility Disorders (diagnosis and treatment): Julie Khlevner

Eosinophilic GI Disorders: Dominique Bailey

Intestinal Stem Cells: Jonathan Miller

Many faculty members are supported by NIH grants including Ro1, Uo1, Ko8, and K23. In addition, we have been fortunate to receive research support from many other sources such as CEGIR, NASPGHAN, AGA, AASLD, the Cystic Fibrosis Foundation, Robert Wood Johnson Foundation, the Doris Duke Foundation, the Seidenberg Family and Pharma grants.

Faculty



Ali Andre Mencin, MD
Chief, Gastroenterology, Hepatology, and
Nutrition
Associate Professor of Pediatrics at CUMC
Dir., Pediatric Endoscopy



Dominique Bailey, MD, MSEd
Assistant Professor of Pediatrics
at CUMC



Elizabeth Berg, MD
Assistant Professor of
Pediatrics at CUMC



Chuchun Liz Chang, PhD
Assistant Professor of Nutrition,
Institute of Human Nutrition



**Richard Deckelbaum, MD, CM,
FRCPC**
Robert R. Williams Professor of Nutrition
Professor of Pediatrics and Epidemiology



Amy R. DeFelice, MD
Associate Professor of
Pediatrics at CUMC
Dir., Nutrition



Dana Goldner, MD
Assistant Professor of
Pediatrics at CUMC
Center for Liver Diseases



Kim Hekimian, PhD
Assistant Clinical Professor of
Nutrition at CUMC



R. Ariel Igal, MD, PhD
Assistant Professor of
Nutrition at CUMC



Jacqueline Jossen, MD
Assistant Professor of Pediatrics at CUMC
Dir., Celiac Disease Center

Faculty



Philip Kazlow, MD
Professor of Pediatrics at CUMC



Julie Khlevner, MD
Associate Professor of
Pediatrics at CUMC
Dir., Pediatric Gastrointestinal
Motility Center



Sivan Kinberg, MD, MS, MA
Assistant Professor of
Pediatrics at CUMC
Dir., Intestinal Rehabilitation



Neal S. LeLeiko, MD, PhD
Professor of Pediatrics
Dir., IBD



Steven Lobritto, MD
Professor of Pediatrics and
Medicine at CUMC
Medical Dir., Pediatric Liver
Transplantation



Sarah Shrager Lusman, MD
Associate Professor of
Pediatrics at CUMC
Dir., Fellowship Training



Moneek Madra, PhD
Assistant Professor of
Nutrition at CUMC



Mercedes Martinez, MD
Professor of Pediatrics (in Surgery)
at CUMC
Medical Dir., Intestinal
Transplant Program
Center for Liver Diseases



Jonathan Miller, MD
Assistant Professor of Pediatrics
at CUMC

Faculty



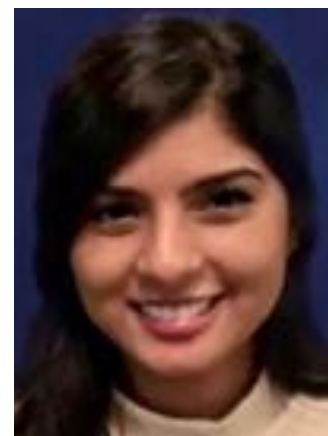
Hillary Moore, MD

Assistant Professor of Pediatrics
at CUMC
Dir., Celiac Disease Center



Joseph Picoraro, MD

Assistant Professor of
Pediatrics at CUMC
Associate Dir., IBD
Dir., Inpatient Service



Pooja Reddy, MD MS

Assistant Professor of
Pediatrics (in Surgery) at CUMC
Center for Liver Diseases



Norelle Rizkalla Reilly, MD

Associate Professor of
Pediatrics at CUMC



Wei Shen, MD, MPH, MS

Assistant Professor of
Nutritional Pediatrics at CUMC



**Jennifer Woo Baidal, MD
MPH**

Assistant Professor of
Pediatrics
Dir., Pediatric Obesity Program

Current Fellows



Medical school:
University of
Connecticut School
of Medicine

Residency:
Cohen Children's
Hospital

Mentor: Arnold Han,
MD PhD

Jared Gelbs, MD
3rd Year Fellow



Medical school:
Rutgers Robert Wood
Johnson

Residency:
Cohen Children's
Hospital

Mentor: Ivaylo
Ivanov, PhD

Padmini Nallapaneni, MD
3rd Year Fellow



Medical school: Case
Western Reserve
University School of
Medicine

Residency:
NYP Morgan Stanley
Children's Hospital /
Columbia

Mentors: Elizabeth
Verna, MD and
Mercedes Mar-
tinez, MD

Elise Kang, MD
2nd Year Fellow



Medical school:
University of Virginia
School of Medicine

Residency:
Hasbro Children's
Hospital

Mentor: Jennifer
Woo Baidal, MD
MPH

Evianna Cruz Herrera, MD MPH
2nd Year Fellow



Medical school:
University of Texas
Southwestern

Residency:
University of Texas
Southwestern

Swetha Kotamraju, MD
1st Year Fellow



Medical school:
Columbia University
Vagelos College of
Physicians and Sur-
geons

Residency:
Boston Children's
Hospital

Delia O'Shea, MD
1st Year Fellow

Recent Graduates

Academic Clinician—Educators (Gastroenterology)

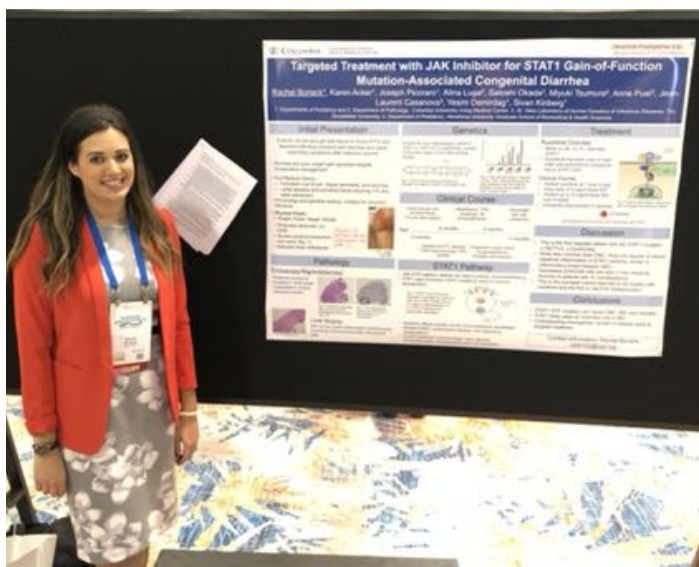
Baylor College of Medicine (1)
 Boston Children's Hospital (1)
 Children's Hospital at Montefiore / Albert Einstein (1)
 Children's Hospital of Philadelphia (1)
 Columbia University Medical Center (4)
 Weill Cornell Medical College (3)
 New York Medical College (1)
 Hackensack Meridian School of Medicine (1)
 St. Christopher's Hospital for Children/Drexel (1)

Academic Clinician—Educators (Hepatology and Transplant)

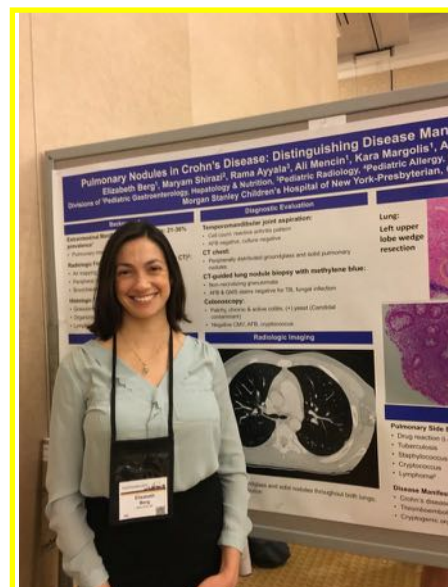
Columbia University Medical Center (2)

Physician Scientists

Columbia University Medical Center
 (Gastroenterology) (2)



Rachel Borlack, MD presenting at NASPGHAN in Orlando.



Elizabeth Berg, MD presenting at NASPGHAN in Las Vegas.

Recent Fellow Awards and Honors

Evianna Cruz Herrera: Diversity Supplement to Ruth L. Kirschstein National Research Service Award, NIH T32 Training Grant

Elise Kang: Merit Scholarship, Master of Science program in Patient Oriented Research 2022

Pooja Reddy: Rustin McIntosh Fellowship Award 2022

Amanda Cantor: Gerard Odell Prize for Excellence in Liver Research, NASPGHAN Annual Meeting 2020, Winner, Resident Teaching Award 2020

Elizabeth Berg: Best Clinical Science Abstract, Pediatric Fellows Poster Day 2019

Amir Jazayeri: NYP Silverman Fellowship for Hospital Innovation 2018-2019

Laurence Feinstein: Oberfield Prize in Basic Science 2018, Distinguished Abstract, Digestive Disease Week 2018

Dominique Bailey: NASPGHAN Foundation/George Ferry Young Investigator Development Award (2019), Consortium of Eosinophilic Gastrointestinal Disease Researchers (CEGIR) Training Grant

Arunjot Singh: Research Poster of Distinction, World Congress of Pediatric Gastroenterology, Hepatology and Nutrition 2016, Oberfield Prize in Translational Science, Pediatric Fellows Poster Day 2017

Sarah Fleet : Winner, Resident Teaching Award 2015, Winner, Oberfield Prize in Basic Science, Pediatric Fellows Poster Day 2017



2021-2022 fellows at graduation (pictured left to right): Pooja Reddy, Amanda Cantor, Evianna Cruz-Herrera, Elise Kang, Jared Gelbs

Select Recent Fellow Publications

Montalvo M, **Nallapaneni P**, Hassan S, Nurko S, Pittock SJ, Khlevner J. Autoimmune gastrointestinal dysmotility following SARS-CoV-2 infection successfully treated with intravenous immunoglobulin. *Neurogastroenterol Motil*. 2022 Jul;34(7)

Kang E, Martinez M, Moisander-Joyce H, Saenger YM, Griesemer AD, Kato T, Yamashiro DJ, Remotti H, Gartrell RD. Stable liver graft post anti-PD1 therapy as a bridge to transplantation in an adolescent with hepatocellular carcinoma. *Pediatr Transplant*. 2022 May;26(3):e14209

Masuda K, Kornberg A, **Miller J**, Lin S, Suek N, Botella T, Secener KA, Bacarella AM, Cheng L, Ingham M, Rosario V, Al-Mazrou AM, Lee-Kong SA, Kiran RP, Stoeckius M, Smibert P, Del Portillo A, Oberstein PE, Sims PA, Yan KS, Han A. Multiplexed single-cell analysis reveals prognostic and nonprognostic T cell types in human colorectal cancer. *JCI Insight*. 2022 Apr 8;7(7).

Capdevila C, Trifas M, **Miller J**, Anderson T, Sims PA, Yan KS. Cellular origins and lineage relationships of the intestinal epithelium. *Am J Physiol Gastrointest Liver Physiol*. 2021 Oct 1;321(4):G413-G425.

Miller J, Khlevner J, Rodriguez L. Upper Gastrointestinal Functional and Motility Disorders in Children. *Pediatr Clin North Am*. 2021 Dec;68(6):1237-1253.

Borlack RE, Shan S, Zong AM, Khlevner J, Garbers S, Gold MA. Electrodermal Activity of Auricular Acupoints in Pediatric Patients With Functional Abdominal Pain Disorders. *J Pediatr Gastroenterol Nutr*. 2021 Aug 1;73(2):184-191.

Reddy P, Mencin A, Lebwohl B. Risk Factors for Suboptimal Bowel Preparation for Colonoscopy in Pediatric Patients. *J Pediatr Gastroenterol Nutr*. 2021 Jul 1;73(1):e1-e6.

Santucci NR, Chogle A, Leiby A, Mascarenhas M, **Borlack RE**, Lee A, Perez M, Russell A, Yeh AM. Non-pharmacologic approach to pediatric constipation. *Complement Ther Med*. 2021 Jun;59:102711.

Gottesman-Katz L, Latorre R, Vanner S, Schmidt BL, Bunnett NW. Targeting G protein-coupled receptors for the treatment of chronic pain in the digestive system. *Gut*. 2021 May;70(5):970-981.

Kang E, Shin JI, Griesemer AD, Lobritto S, Goldner D, Vittorio JM, Stylianos S, Martinez M. Risk Factors for 30-Day Unplanned Readmission After Hepatectomy: Analysis of 438 Pediatric Patients from the ACS-NSQIP-P Database. *J Gastrointest Surg*. 2021 Apr 6

Cantor A, **Miller J**, Zachariah P, DaSilva B, Margolis K, Martinez M. Acute Hepatitis Is a Prominent Presentation of the Multisystem Inflammatory Syndrome in Children: A Single-Center Report. *Hepatology*. 2020 Nov;72(5):1522-1527.

Miller J, **Cantor A**, Zachariah P, Ahn D, Martinez M, Margolis KG. Gastrointestinal Symptoms as a Major Presentation Component of a Novel Multisystem Inflammatory Syndrome in Children That Is Related to Coronavirus Disease 2019: A Single Center Experience of 44 Cases. *Gastroenterology*. 2020 Oct;159(4):1571-1574.e2

Select Recent Fellow Presentations

Pooja Reddy:

Understanding the Impact of the COVID-19 Pandemic on Wrong Patient Errors using a Validated Automated Measurement Tool. Virtual Podium Presentation at 27th Annual AHRQ NRSA Trainees Research Conference, 2021.

Development and Validation of an Automated Wrong-Dose Detection Measure at a Large Tertiary Care Academic Center: Preliminary Results. Poster Presentation at Agency for Healthcare Research and Quality National Research Service Award Trainee Research Conference 2020, Boston, MA. Invited platform presentation at the Pediatric Academic Societies Meeting, Philadelphia, Pennsylvania.

Amanda Cantor:

Acute Hepatitis Is a Prominent Presentation of the Multisystem Inflammatory Syndrome in Children: A Single-Center Report. Plenary Presentation at The Liver Meeting, 2020.

Rachel Borlack:

Targeted treatment with JAK inhibitor for STAT1 Gain-of-Function Mutation-Associated Congenital Diarrhea. Presented as a poster at the NASPGHAN Annual Meeting, October 25-27, 2018, Hollywood, Florida.

Kimberly Law:

Early-life adversity results in differences in enteric nervous system development and GI motility. Oral presentation at the NASPGHAN Annual Meeting, October 17-19, 2019, Chicago, Illinois.

SMOFlipid in Pediatric Patients with Intestinal Failure. Presented as a poster at the NASPGHAN Annual Meeting, October 25-27, 2018, Hollywood, Florida.

Amir Jazayeri:

Switching to Rapid Infusions of Infliximab reduces hours missed from school and improves Pediatric Infusion Suite Scheduling. Presented as a poster at the NASPGHAN Annual Meeting, October 25-27, 2018, Hollywood, Florida.

Decreased Cancellations in a Pediatric Endoscopy Center: A Quality Improvement Project. Presented as a poster at the NASPGHAN Annual Meeting, October 25-27, 2018, Hollywood, Florida.

Elizabeth Berg:

IBD Mimicry: A Case of Tuberculosis mistaken for Crohn's Disease. Presented as a poster at the NASPGHAN Annual Meeting, October 25-27, 2018, Hollywood, Florida.

Highlights and Accomplishments of our Division

- ◆ Faculty and fellows have chaired and served on almost all NASPGHAN committees including Council
- ◆ Faculty have been featured in Atlantic Monthly, Science, Nature Biotechnology, New York Times, Nature Outlook
- ◆ Our Institute of Human Nutrition is the #1 Ranked PhD Nutrition Program in the world
- ◆ We have a NIDDK Training Grant for Pediatric and Adult GI (T32) that is funded through 2024
- ◆ **Dominique Bailey, MD, MS Ed** has been named a recipient of the Harold Amos Medical Faculty Development Award and received the George Ferry Award from NASPGHAN.
- ◆ **Sarah Shrager Lusman, MD** received the 2021 Teri Li Young Educators Award from NASPGHAN
- ◆ **Amy DeFelice, MD** was elected to the executive council of the Society for the Study of Celiac Disease
- ◆ **Eunie Park, NP** was accepted to the Crohn's & Colitis Foundation Advanced Practice Provider (APP) Preceptor Program
- ◆ **Jennifer Woo Baidal, MD, MPH** was named the Assistant Director of the Herbert Irving Comprehensive Cancer Center for Health Equity Research in the Office of Diversity, Equity, and Inclusion and received a Florence and Herbert Irving Clinical Research Career Award
- ◆ **Joseph Picoraro, MD** serves on the Greater New York Chapter Medical Advisory and Government and Industry Affairs Committees of the Crohn's and Colitis Foundation
- ◆ **Neal LeLeiko, MD PhD** received the 2019 NASPGHAN Distinguished Service Award

2022-2023 Graduate Staff Salaries

PGY-4	\$93,199
PGY-5	\$96,365
PGY-6	\$98,095

Housing Information

For information regarding housing please visit the NewYork-Presbyterian Hospital Real Estate Department's website <https://www.nyp.org/realestate/west-campus-housing> . All contact information is listed on the website. In addition, housing information with floor plans and rental rate ranges will be sent via email directly from the Real Estate Department.

Transportation

Directions to Columbia University Medical Center:

The Center is located at West 168th Street and Broadway, immediately southeast of the George Washington Bridge, in the Heights/Inwood section of northern Manhattan.

By Public Transportation

Subway - Take the 1, A, C, trains to the 168th Street station. From midtown Manhattan, the A train provides express service.

Bus- A number of city buses serve the medical center: M-2, 3, 4, 5, and 100. For additional bus and subway information, call the Transit Authority at 718-330-1234.

