



# CIAG

Children's Center for Immunity  
and Applied Genomics

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## CIAG Symposium

**Bridging Immunity to Genomic  
Advances for a Healthier Tomorrow**

April 23rd, 2024

8:45 AM - 12:30 PM

Health Sciences Research Building (HSRB-I)

Auditorium



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## Welcome

Dear Colleagues,

We welcome you to the Center for Immunity and Applied Genomics (CIAG) Symposium and look forward to a half-day of captivating discussions and insights at the forefront of immunity and applied genomics.

Our distinguished speakers include Thad Stappenbeck from the Cleveland Clinic, who will enlighten us on the fascinating world of organoids. Discover the intersection of artificial intelligence and immune profiling with our very own Anant Madabhushi. Additionally, Janelle Arthur from the University of North Carolina, Chapel Hill will delve into how inflammation shapes gut pathology through the microbiome.

We invite you to explore cutting-edge research, foster collaboration, and be part of shaping the future of healthcare. We appreciate you taking the time to attend the symposium.

Sincerely,

**Greg Gibson, PhD**

Symposium Co-Chair  
Professor and Director, Center for  
Integrative Genomics  
Department of Biological Sciences  
Georgia Institute of Technology  
Co-Director, Children's Center for  
Immunity and Applied Genomics

**Subra Kugathasan, MD**

Symposium Co-Chair  
Professor of Pediatrics & Human Genetics  
Marcus Professor of Pediatric  
Gastroenterology  
Co-Director, Children's Center for  
Immunity and Applied Genomics  
Scientific Director, Children's Healthcare  
of Atlanta Combined Center for Pediatric  
Inflammatory Bowel Disease

## Our Keynote Speakers



**Janelle Arthur, PhD**

Assistant Professor  
Department of Microbiology & Immunology  
Lineberger Comprehensive Cancer Center  
Center for Gastrointestinal Biology and Disease  
University of North Carolina, Chapel Hill



**Anant Madabhushi, PhD**

Robert W. Woodruff Professor  
Wallace H. Coulter Department of Biomedical Engineering,  
Radiology and Imaging Sciences, Biomedical Informatics, Pathology  
Georgia Institute of Technology and Emory University  
Research Career Scientist  
Atlanta Veterans Administration Medical Center



**Thaddeus Stappenbeck, MD, PhD**

Sherwick Endowed Chair in Inflammation and Immunity  
Lerner Research Institute  
Cleveland Clinic

## Schedule

Time/Room	Presentation
8:00 - 8:45 AM	Registration and Breakfast
8:45 - 9:00 AM	Welcome and Opening Remarks
9:00 - 9:50 AM	Keynote Presentation <b><i>"Microbiome and Inflammation-associated Intestinal Disease"</i></b> Janelle Arthur, PhD Assistant Professor Department of Microbiology & Immunology Lineberger Comprehensive Cancer Center Center for Gastrointestinal Biology and Disease University of North Carolina, Chapel Hill
9:50 - 10:40 AM	Keynote Presentation <b><i>"Interpreter of Maladies: Applications of AI on Immune-mediated Diseases"</i></b> Anant Madabhushi, PhD Robert W. Woodruff Professor Wallace H. Coulter Department of Biomedical Engineering, Radiology and Imaging Sciences, Biomedical Informatics, Pathology Georgia Institute of Technology and Emory University Research Career Scientist Atlanta Veterans Administration Medical Center
10:40 - 11:00 AM	Break & Networking
11:00 - 11:50 PM	Keynote Presentation <b><i>"Hunting for Microbes that Modulate the Immune System"</i></b> Thaddeus Stappenbeck, MD, PhD Chair of Inflammation and Immunity Cleveland Clinic
11:50 - 12:30 PM	CIAG Panel Discussion
12:30	Lunch Served in the Atrium