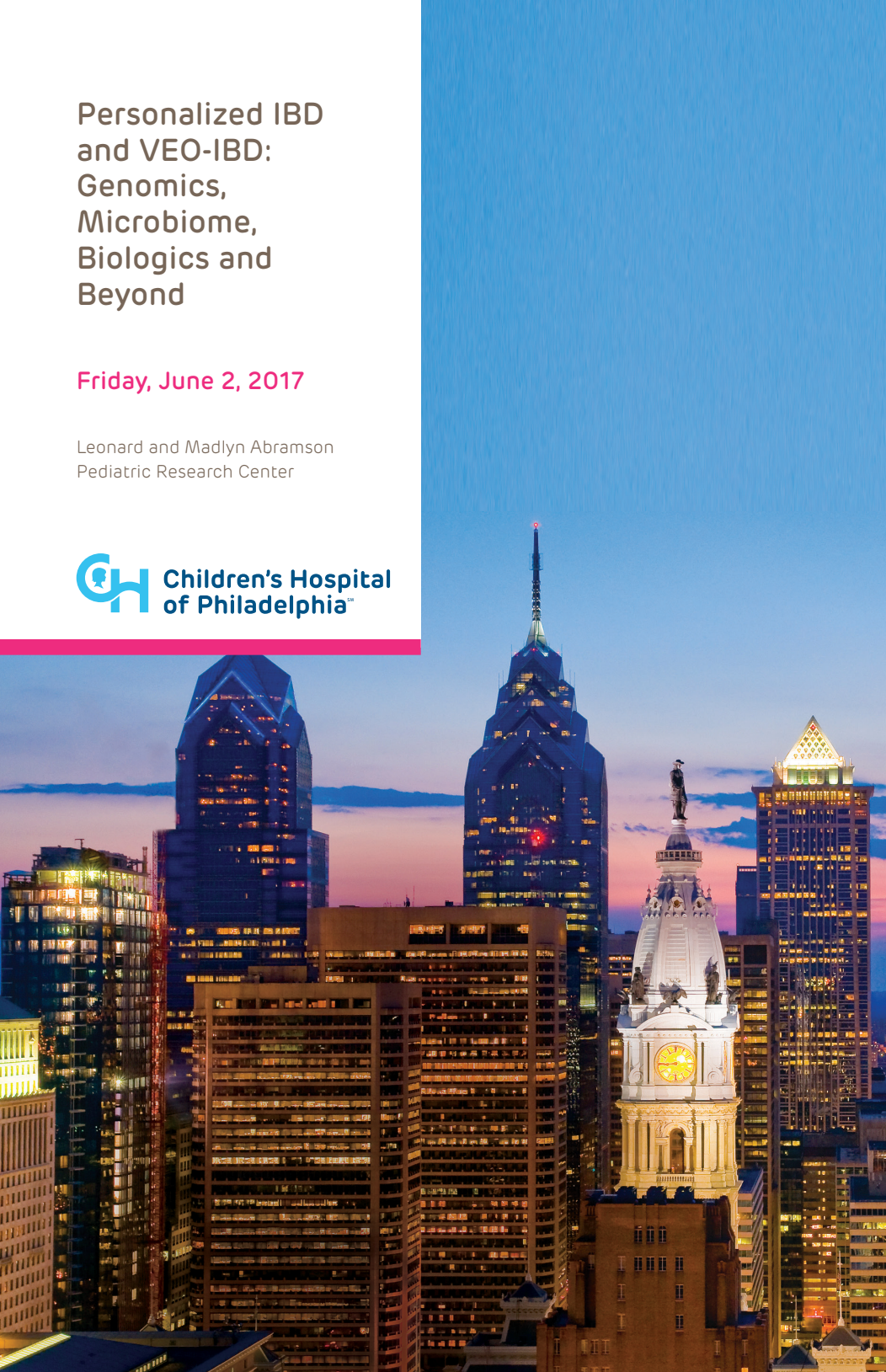


# Personalized IBD and VEO-IBD: Genomics, Microbiome, Biologics and Beyond

Friday, June 2, 2017

Leonard and Madlyn Abramson  
Pediatric Research Center



## Course Overview

This one-day course is designed to present the latest developments in research and clinical care for very early-onset inflammatory bowel disease (VEO-IBD) and pediatric IBD. Participants will receive a comprehensive overview of the genomic, immunologic and microbiome discoveries in VEO-IBD and in pediatric IBD and of the advances in the diagnosis, management and therapy of the disease. This will include lectures by nationally and internationally recognized experts and interactive panel discussions.

This activity has been designed for pediatric gastroenterologists, pediatric gastrointestinal surgeons, GI fellows and residents, physician assistants, clinical nurse specialists, radiologists, pathologists, nutritionists, and other healthcare professionals.

## Course Objectives

Upon completion of this activity, participants should be able to:

- Explain the genetics of VEO-IBD, new candidate genes and the relevance of these discoveries to disease development
- Discuss the role of the dysregulated immune system in VEO-IBD and how this can impact therapeutic strategies
- Review the latest techniques to study IBD using animal models and enteroids
- Manage difficult cases in patients with VEO-IBD and pediatric IBD
- Select appropriate therapy for patients with VEO-IBD and pediatric IBD, considering both the patient phenotype and the underlying genetics
- Describe the role of the microbiome in IBD and the interaction of the microbes and intestinal immune system
- Counsel patients about the role of diet in disease development and as therapy for IBD

## General Information

The conference will be held in the Leonard and Madlyn Abramson Pediatric Research Center at Children's Hospital of Philadelphia. The registration fee for physicians is \$75 and the fee for nurses is \$50. Residents, fellows and medical students may attend for free, however, you'll still need to register. This fee includes breakfast, lunch and program material.

*All attendees are invited to submit an abstract for poster or oral presentations.*

 Register online at  
[chop.cloud-cme.com](http://chop.cloud-cme.com)

## PROGRAM — FRIDAY, JUNE 2, 2017

|            |                                                                                                              |            |                                                                                                             |
|------------|--------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------|
| 7:30 a.m.  | Registration and Continental Breakfast                                                                       | 12:45 p.m. | Difficult Cases<br><i>Moderator: Petar Mamula, MD</i><br><i>Andrew Grossman, MD</i><br><i>Joel Rosh, MD</i> |
| 8:15 a.m.  | Welcome and Introduction<br><i>Bryan Wolf, MD, PhD</i><br><i>David Piccoli, MD</i>                           | 1:05 p.m.  | What's New in Immunosuppressive Therapy/Therapeutic Targets<br><i>Robert Baldassano, MD</i>                 |
| 8:30 a.m.  | Genetics of IBD: Genetics of VEO-IBD and Older-onset IBD                                                     | 1:25 p.m.  | Monitoring Drug Levels and Therapeutic Targets<br><i>Marla Dubinsky, MD</i>                                 |
| 8:50 a.m.  | New Candidate Genes in VEO-IBD and IBD<br><i>Judy Cho, MD</i>                                                | 1:45 p.m.  | End Point of Therapy<br><i>Jeffrey Hyams, MD</i>                                                            |
| 9:10 a.m.  | Clinical Case: Unique Presentation and Underlying Etiology in Monogenic VEO<br><i>Scott Snapper, MD, PhD</i> | 2:05 p.m.  | Panel Discussion                                                                                            |
| 9:30 a.m.  | Immunodysregulation and IBD<br><i>Kathleen Sullivan, MD, PhD</i>                                             | 2:25 p.m.  | Abstract                                                                                                    |
| 9:30 a.m.  | Novel Molecular Defects Associated with VEO-IBD<br><i>Judith Kelsen, MD</i>                                  | 2:40 p.m.  | Abstract                                                                                                    |
| 10 a.m.    | Break                                                                                                        | 2:55 p.m.  | Break                                                                                                       |
| 10:10 a.m. | Break                                                                                                        | 3:15 p.m.  | Metabolomics and Microbiome<br><i>Gary Wu, MD</i>                                                           |
| 10:10 a.m. | VEO-IBD and HLH: Defects in Cytotoxic Killing<br><i>Edward Behrens, MD, PhD</i>                              | 3:35 p.m.  | IBD and the Gut Microbiome<br><i>Frederic Bushman, MD</i>                                                   |
| 10:30 a.m. | Crosstalk Between Intestinal Microbes and the Immune System<br><i>David Artis, MD</i>                        | 3:55 p.m.  | Diet and IBD<br><i>Lindsey Albenberg, DO</i>                                                                |
| 10:50 a.m. | Panel Discussion                                                                                             | 4:15 p.m.  | Panel Discussion                                                                                            |
| 11:10 a.m. | Abstract                                                                                                     | 4:30 p.m.  | Adjourn                                                                                                     |
| 11:25 a.m. | Abstract                                                                                                     |            |                                                                                                             |
| 11:40 a.m. | Lunch                                                                                                        |            |                                                                                                             |

## ACCME Accreditation Statement

The Children's Hospital of Philadelphia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing education for physicians.

## AMA Credit Designation Statement

The Children's Hospital of Philadelphia designates this live activity for a maximum of 6.0 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## Services for People with Disabilities

If special arrangements are required for an individual with a disability to attend this meeting, please contact the Continuing Medical Education Department at 215-590-5263.

## Cancellation and Refund Policy

Children's Hospital of Philadelphia reserves the right to cancel or postpone any course due to any unforeseen circumstances. In the event of cancellation or postponement, Children's Hospital of Philadelphia will refund any registration fees, less a \$40 service fee, but is not responsible for any related costs, charges or expenses to participants, including cancellation charges assessed by hotels, airlines or travel agencies. In order to process refunds for course withdrawals, cancellations must be received in writing by Monday, May 22, 2017. No refunds will be issued thereafter.



Unless otherwise noted, faculty are from Children's Hospital of Philadelphia and the Perelman School of Medicine at the University of Pennsylvania.

## Course Directors

**Robert Baldassano, MD**

*Director, Center for Pediatric Inflammatory  
Bowel Disease  
Co-director, Penn/CHOP Microbiome Program  
Professor of Pediatrics*

**Andrew Grossman, MD**

*Co-director, Center for Pediatric Inflammatory  
Bowel Disease  
Associate Professor of Clinical Pediatrics*

**Judith Kelsen, MD**

*Director, Very Early Onset IBD Program  
Assistant Professor of Pediatrics*

## Faculty

**Lindsey Albenberg, DO**

*Assistant Professor of Pediatrics*

**Edward Behrens, MD, PhD**

*Chief, Division of Rheumatology  
Associate Professor of Pediatrics*

**Petar Mamula, MD**

*Director, Kohl's GI Nutrition and  
Diagnostic Center (endoscopy suite)  
Co-director, Center for Digestive, Liver and  
Pancreatic Medicine  
Professor of Pediatrics*

**David Piccoli, MD**

*Chief, Division of Gastroenterology,  
Hepatology and Nutrition  
Director, Fred and Suzanne Biesecker Pediatric  
Liver Center  
Professor of Pediatrics*

**Kathleen Sullivan, MD, PhD**

*Chief, Division of Allergy and Immunology  
Professor of Pediatrics*

**Bryan Wolf, MD, PhD**

*Chief Scientific Officer  
Chair, Department of Biomedical and Health  
Informatics  
Professor of Pathology and Laboratory Medicine*

## Guest Faculty

**David Artis, PhD**

*Professor of Microbiology and Immunology  
Joan and Sanford I. Weill Department of  
Medicine  
Weill Cornell Medical College*

**Frederic D. Bushman, PhD**

*Chair, Department of Microbiology  
Co-Pl, Penn/CHOP Microbiome Program  
Hospital of the University of Pennsylvania  
Professor of Microbiology and Pediatrics*

**Marla Dubinsky, MD**

*Chief, Pediatric Gastroenterology and Hepatology  
Co-director, Inflammatory Bowel Disease Center  
Mount Sinai Medical Center  
Professor of Pediatrics  
Icahn School of Medicine*

**Judy Cho, MD**

*Director, Institute for Personalized Medicine  
Mount Sinai Hospital  
Professor of Genetics and Genomic Sciences  
Professor of Medicine, Gastroenterology  
Icahn School of Medicine*

**Jeffrey Hyams, MD**

*Division Head, Gastroenterology  
Connecticut Children's Medical Center  
Professor of Pediatrics  
University of Connecticut School of Medicine*

**Joel Rosh, MD**

*Director, Pediatric Gastroenterology  
Vice Chairman, Clinical Development and  
Research Affairs  
Goryeb Children's Hospital/Atlantic  
Health System  
Mount Sinai Hospital  
Professor of Pediatrics  
Icahn School of Medicine*

**Scott Snapper, MD, PhD**

*Director, Inflammatory Bowel Disease Center  
Boston Children's Hospital  
Associate Professor of Medicine  
Harvard Medical School*

**Gary Wu, MD**

*Director, Molecular Biology Core Facility,  
NIH Center for Molecular Studies in  
Digestive and Liver Diseases  
Associate Chief for Research, GI Division  
Co-director, Penn-CHOP Center for  
Digestive, Liver and Pancreatic Medicine  
Co-director, Penn/CHOP Microbiome Program  
Hospital of the University of Pennsylvania  
Professor of Gastroenterology*