



2nd Annual

Precision Medicine Institute Retreat

April 14-15, 2025

Children's Hospital Colorado

Anschutz Medical Campus, 13123 East 16th Avenue, Aurora, CO
2nd floor, Conference and Education Center
In-Person and Virtual Event

Provided by

Children's Hospital Colorado, Precision Medicine Institute
Anschutz Medical Campus



Children's Hospital Colorado



Affiliated with
University of Colorado
Anschutz Medical Campus

2nd Annual Precision Medicine Institute Retreat

Overview

This year's retreat promises to be an engaging and enriching experience with informative presentations, collaborative breakout sessions, and two keynote speakers.

We highly encourage attendance for both days, but if you can only join us for one, we recommend prioritizing the first day, which will feature a content-rich agenda filled with key presentations and discussions critical to precision medicine and to our organization globally. The second day of the Retreat will consist of various breakout sessions and working groups, giving us an opportunity to learn, collaborate, and discuss advanced topics with you as experts in our community.

Target Audience

Nurse Practitioners/other APRNs, Pharmacists, Physician Assistants, Physicians, Psychologists, Registered Nurses and Social Workers.

Learning Objectives

Following the presentations, attendees should be able to:

- Analyze the uses, benefits, and limitations of genomic testing technologies.
- Evaluate the implications of implementing genetic medicine more broadly across the healthcare system.
- Assess how the efforts at CHCO PMI align with national NIH Precision Medicine Initiatives.

Continuing Education Credit

Registration, attendance, and submission of the **evaluation,** including a written response to questions related to any change in practice that you may make as a result of learning that took place at this activity, are required for successful completion and receipt of the certificate of attendance. Claim only those hours you attend.

Medical: Children's Hospital Colorado is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. Children's Hospital Colorado designates this live activity for a maximum of 6 *AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Other: A general certificate of attendance will be given to all other care providers.

Disclosures

Katie Angione, has disclosed financial relationships with:

- Ionis Pharmaceuticals Inc- Consultant

Tim Benke, MD, has disclosed financial relationships with:

- Acadia - CHCO contracted research, consultant
- Neurogene - CHCO contracted research, consultant
- Ionis - CHCO contracted research, consultant

Anna Brucker, has disclosed financial relationships with:

- Abeona - Consultant (advisory board)
- Chiesi - Consultant
- Krytsal Bio - Consultant (advisory board)
- TwiBio - Consultant and investigator (contracted research)
- Castle Creek - Investigator
- Rheacell - Investigator

Anjana Chandrasekhar, has disclosed financial relationships with:

- Illumina Inc - Employee

Scott Demarest, MD, has disclosed financial relationships with:

- Marinus Pharmaceuticals - Consultant
- Capsida Biotherapeutics - Consultant, Researcher
- Longboard Pharmaceuticals - Consultant, Researcher
- Mahzi Therapeutics - Advisory Board
- Praxis Medicines - Consultant

Austin Larson, has disclosed financial relationships with:

- Mirum, UCB - Consulting
- Neuren - Contracted research
- Stealth - Contracted research
- Astellas - Contracted research
- Tisento - Contracted research

Margaret (Meg) Macy, MD, has disclosed financial relationships with:

- Recordati Pharmaceutical - Advisory board
- Abbvie - Advisory board
- Kestral Pharmaceuticals - Consultant

Stephen Thorpe, has disclosed financial relationships with:

- Deciphera - Consultant, Advisory Board
- Inhibryx - Advisory Board

All the relevant financial relationships listed have been mitigated.

All other planners, faculty, and content reviewers have no relevant financial relationships with ineligible companies.

PRECISION MEDICINE INSTITUTE

2ND ANNUAL RETREAT

Location: Mt. Princeton/Mt. Yale or ZOOM
Date: Monday, April 14, 2025
Time: 8am - 5pm MT

Agenda

7:45a – 8:15a	Coffee & Light Breakfast	
8:15a – 8:30a	Opening Remarks	PMI Leadership

Diagnostics

8:35a – 9:35a	New Clinical Areas	Stephen Thorpe, MD; Michael Clay, MD; Leslie McCallen, MS, CGC; Hannah Elfman, MS, CGC
9:40a – 10:40a	Pharmacogenomics	Eliz Fenstermacher MD; Anjana Chandrasekhar, PhD; Austin Larson, MD
10:45a – 11:25a	Multimodal Platforms & Technologies	Nate Newman Edelman, PhD & Jessica Hsu, PhD
11:30a – 12:25p	Diagnostics Keynote Speaker(s): IDD/NDD	Kourtney Santucci, MD & Margarita Saenz, MD

****LUNCH****

Therapeutics

1:30p – 2:05p	Novel Therapies: A Systems Approach	Meg Macy, MD; Andi Martinsen, CCRC; Christine Caneva, MBA; Becca Newman MS, RN, CPN
2:10p – 3:10p	Gene Therapies	Tim Benke, MD; M. Eric Kohler, MD; Anna Bruckner, MD
3:15p – 4:05p	Therapeutics Keynote Speaker: SCD	Chris McKinney, MD
4:10p – 5p	Poster Session & Refreshments	

PRECISION MEDICINE INSTITUTE

2ND ANNUAL RETREAT

Location: Mt. Yale
Date: Tuesday, April 15, 2025
Time: 8am – 5pm MT

Agenda

7:45a – 8:15a	Coffee & Light Breakfast	
8:15a – 8:25a	Opening Remarks	PMI Leadership
	Working Groups & Breakout Sessions	<u>Lead Facilitators</u>
8:30a-9:20a	<u>Breakout</u> : Education & Faculty Training Opportunities	Dr. Margarita Saenz
9:25a-10:15a	<u>WG</u> : Operationalizing a Novel Therapeutic Program	Dr. Scott Demarest & Christine Caneva
10:20a-11:10a	<u>Breakout</u> : Ethical Considerations for High-Cost Novel Therapies	Dr. Lalit Bajaj
11:15a-12p	<u>WG</u> : Understanding Genomic Research Needs & Institutional Connectivity	Dr. Scott Demarest & Dr. Alisa Gaskell
12p – 1p	**LUNCH**	
	Working Groups & Breakout Sessions	
1:05p-1:55p	<u>Breakout</u> : Artificial Intelligence in Precision Medicine	Dr. Alisa Gaskell
2:00p-2:50p	<u>WG</u> : Genetic Counseling Considerations in Precision Medicine & the Lab	Katie Angione & Susan Larabell
3:00p-4:00p	PMI Showcase	
4:00p-5:00p	Closing Remarks	

See below for additional information on Working Groups & Breakout Sessions



Additional information – Working Groups & Breakout Sessions

- **Breakout: Education & Faculty Training Opportunities**
 - Please join us to discuss key education and faculty training opportunities in precision medicine, including the precision-medicine fellowship for pediatric-trained fellows seeking advanced training and a certificate program for faculty. We'll also discuss our partnership with NORD to provide valuable family resources for those navigating precision medicine.
- **Working Group: Operationalizing a Novel Therapeutic Program**
 - Please join us to discuss the key considerations for setting up and running a program for a novel therapy. We'll explore the necessary steps to ensure these programs are safe, sustainable, and effective, while also garnering feedback from you as providers and administrators to ensure the process is meeting needs.
- **Breakout: Ethical Considerations for High-Cost Novel Therapies**
 - We hope to have you join us in this discussion to address the ethical considerations surrounding high-cost novel therapies. We'll discuss the challenges of ensuring equitable access, balancing cost with patient benefit, and navigating the complex decisions faced by providers and administrators in offering these therapies.
- **Working Group: Understanding Genomic Research Needs & Institutional Connectivity**
 - Please join us to discuss the key aspects of precision diagnostics research, including the infrastructure needed to support it. We'll gather feedback on research needs, discuss pathways for collaboration, and explore how insights from therapeutics can inform and enhance diagnostics efforts.
- **Breakout: Artificial Intelligence in Precision Medicine**
 - We hope you join us to discuss and explore the role of artificial intelligence in precision medicine, focusing on key facilitators and its potential areas of impact. We'll discuss how predictive models can be trained, challenged, and implemented, and review where AI is already being used in precision medicine. Additionally, we'll examine institutional standards for vetting and integrating AI into healthcare practices.
- **Working Group: Genetic Counseling Considerations in Precision Medicine & the Lab**
 - Please join us to explore the critical role of genetic counseling in precision medicine and its integration with laboratory practices. We'll discuss the challenges and opportunities in providing genetic counseling, ensuring clear communication of complex genetic information, and aligning counseling with diagnostic and therapeutic strategies in precision medicine.