

Friday: \$35 To register, visit ChildrensAL.org/genetics

FREE Parking in the 5th or 7th Avenue Children's Decks. Please follow the signs.

Questions? Contact Shaila Handattu at hande@uab.edu

LEARNING OBJECTIVES

Upon completion of this live activity, participants will be able to:

- Explain the goals of All of Us Research Program.
- Discuss the utility of genome sequencing in individuals affected with rare diseases.
- Identify the goals of the population cohort in the Alabama Genomic Health Initiative
- Discuss genomic sequencing as a diagnostic tool for pediatric congenital disease.
- Discuss the potential and challenges of genomic diagnostics.
- Explain concepts of different mutation directed approaches and difficulties in their application.
- Explain the criteria of pathogenicity in variant interpretation.
- Learn about the use of zebrafish to model rare human disorders.
- Discuss the rationale and potential for applying yeast phenomics to rare disease.

CONTINUING EDUCATION

 CME

Children's of Alabama designates this live activity for a maximum of 5.0 AMA PRA Category 1 CreditsTM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Children's of Alabama is accredited by the Medical Association of the State of Alabama to provide continuing medical education for physicians.

BEYOND THE DIAGNOSIS ART EXHIBIT

SIXTH ANNUAL RARE DISEASE GENOMICS SYMPOSIUM

FRIDAY, MARCH 1, 2019			
SESSION 1	~ Bruce Korf, MD, PhD, Moderator University of Alabama at Birmingham	2:00-2:30	Fishing for Novel Treatments for Muscular Dystrophies
8:30-8:45	Introduction and Overview ~ Bruce Korf, MD, PhD	2:30-2:40	~ Matthew Alexander, PhD Break
8:45-9:20	AGHI-Affected Cohort ~ Anna C.E. Hurst, MD, MS	2:40-3:10	An Algorithm for Variant Interpretation ~ Mei-Jan Chen, PhD
9:20-9:55	A Statewide Population Screening Initiate for Genetic Health Risk ~ Kelly East, MS, CGC	3:10-3:40	Yeast Genetic Models to Repurpose Drugs for Individual Rare Diseases ~ John Hartmann, MD
9:55-10:30	SouthSeq: Genomic Diagnosis for Ill Newborns Across the South ~ Greg Cooper, PhD	SPEAKERS	
10:30-10:40	Break	Matthew Alexander, PhD University of Alabama at Birmingham Mei-Jan Chen, PhD University of Alabama at Birmingham	
10:40-11:15	All of Us Research Program ~ Bruce Korf, MD, PhD		
11:15-12:15	Parent Panel ~ Ashley Cannon, MS, PhD, Moderator University of Alabama at Birmingham	Greg Cooper, PhD HudsonAlpha Institute for Biotechnology	
12:15-12:30	Break/Grab Lunch	Kelly East, MS, CGC HudsonAlpha Institute for Biotechnology	
SESSION 2		David Goldstein, PhD Columbia University Medical Center	
12:30-1:30	KEYNOTE SPEAKER Population Genomics, Precision Medicine and Rare Disease ~ David Goldstein, PhD	John Hartmann, MD University of Alabama at Birmingham	
		Anna C.E. Hurst, MD, MS University of Alabama at Birmingham	

SESSION 3 ~ Matthew Might, PhD, Moderator

Therapeutics for NF1 ~ Deeann Wallis, PhD

1:30-2:00

University of Alabama at Birmingham

Development of Mutation Directed

Bruce Korf, MD, PhD

Deeann Wallis, PhD

University of Alabama at Birmingham

University of Alabama at Birmingham