

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, 2018			
SESSION 1	~ Bruce Korf, MD, PhD, Moderator University of Alabama at Birmingham	2:00-2:30	Fishing for Novel Treatments for Muscular Dystrophies ~ Matthew Alexander, PhD
8:30-8:45	Introduction and Overview ~ Bruce Korf, MD, PhD	2:30-2:40	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 III Newborns Across the South ~ Greg Cooper, PhD	3:40-3:45	Q & A and Wrap up
10:30-10:40	Break	SPEAKERS	
10:40-11:15	All of Us Research Program ~ Bruce Korf, MD, PhD	Matthew Alexander, PhD University of Alabama at Birmingham	
11:15-12:15	KEYNOTE SPEAKER Population Genomics, Precision Medicine and Rare Disease ~ David Goldstein, PhD	Mei-Jan Chen, PhD 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 Gold Columbia Uni	stein, PhD iversity Medical Center
12:30-1:30	Parent Panel ~ Ashley Cannon, MS, PhD, Moderator University of Alabama at Birmingham	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 University of Alabama at Birmingham 	Bruce Korf, MD, PhD University of Alabama at Birmingham	
1:30-2:00	Development of Mutation Directed Therapeutics for NF1	Deeann Wallis, PhD	

University of Alabama at Birmingham

Therapeutics for NF1

~ Deeann Wallis, PhD