

# NEXT GENERATION TECHNOLOGY

TO MANAGE RARE DISEASES

Virtual Conference **via zoom**

Friday, February 26, 2021

12:00 — 5:15 pm

**FREE** to attend!

To register, visit

[ChildrensAL.org/genetics](https://ChildrensAL.org/genetics)

Questions? Contact Shaila Handattu at [hande@uab.edu](mailto:hande@uab.edu)

## GLOBAL LEARNING OBJECTIVES

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

- To recognize the current capabilities of 'omics-based molecular diagnostics for rare genetic disorders
- Identify novel, scalable approaches to the provision of genetic counseling in the context of population genetic testing
- Explain approaches to genetic variant discovery and interpretation
- Address health disparities in rare disease communities
- Review the changes that have occurred in telehealth regulatory and reimbursement during the public health emergency
- Discuss potential for repurposing drugs to address rare diseases

## CONTINUING EDUCATION

CME

Children's of Alabama designates this live activity for a maximum of 3.5 *AMA PRA Category 1 Credits*<sup>™</sup>. 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.



Children's  
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 Alabama Genomic  
HEALTH INITIATIVE

**UAB** MEDICINE.

EIGHTH ANNUAL RARE DISEASE GENOMICS SYMPOSIUM

# NEXT GENERATION TECHNOLOGY

## TO MANAGE RARE DISEASES

FRIDAY, FEBRUARY 26, 2021

### AGENDA

With Bruce Korf MD, PhD, as Session Moderator

- 12:00-12:30 **Recent Innovations in Genome Sequencing**  
~ Gregory Cooper, PhD
- 12:30-1:00 **Applying Computational Biology and Data Science Methods to Address Needs in Rare Disease Diagnosis and Prognosis**  
~ Elizabeth Worthey, PhD
- 1:00-1:30 **Scalable Approaches to the Provision of Genetic Counseling**  
~ Kelly East, MS, CGC
- 1:30-1:45 **Break**
- 1:45-2:15 **Telehealth, COVID and Rare Disease**  
~ Eric Wallace, MD
- 2:15-2:45 **Disparities in Rare Disease Management: An Urgent Matter to Address?**  
~ Stephen Sodeke, PhD
- 2:45-3:15 **Parent Panel**  
~ Tammi Skelton, MSN, CRNP, NP-C  
Moderator  
*(CME credit is not offered for this session)*
- 3:15-3:30 **Break**
- 3:30-4:30 **KEYNOTE**  
**Personalized Medicine for Rare Diseases: Lessons Learned from Chasing My Cure**  
~ David Fajgenbaum, MD, MBA, MSc
- 4:30-5:15 **Virtual Cocktail Hour**

### SPEAKERS/MODERATOR

- Bruce Korf MD, PhD  
University of Alabama at Birmingham
- Gregory Cooper, PhD  
HudsonAlpha Institute for Biotechnology
- Elizabeth Worthey, PhD  
University of Alabama at Birmingham
- Kelly East, MS, CGC  
HudsonAlpha Institute for Biotechnology
- Eric Wallace, MD  
University of Alabama at Birmingham
- Stephen Sodeke, PhD  
Tuskegee University
- Tammi Skelton, MSN, CRNP, NP-C  
Children's of Alabama
- David Fajgenbaum, MD, MBA, MSc  
University of Pennsylvania