**Agenda**

Friday, March 3, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00-8:30</td>
<td>Registration and Continental Breakfast Provided</td>
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</table>
| 8:30-8:35 | Welcome | Bruce R. Korf, MD, PhD  
Debbie Krakow, MD | University of Alabama at Birmingham |
| 8:35-10:00 | SESSION 1  
INDICATIONS FOR REFERRAL | Nathanial Robin, MD - Moderator | University of Alabama at Birmingham |
| 8:35-9:10 | Big Size, Small Size: Genetic Causes of Growth Differences | Ashley Cannon, PhD, MS, CGC - Moderator | University of Alabama at Birmingham |
| 9:10-9:45 | Physical Clues to Explain Developmental Differences | Bruce R. Korf, MD, PhD - Moderator | University of Alabama at Birmingham |
| 9:45-10:15 | Questions and Panel Discussion | NHR, CH-E, ACHE |  |
| 9:45-12:45 | KEYNOTE ADDRESS | Genotype Does Not Always Explain Phenotype for Skeletal Disorders | Debbie Krakow, MD  
David Geffen School of Medicine, UCLA |
| 10:00-10:15 | SESSION 2  
DIAGNOSTIC APPROACHES | Anna C.E. Hurst, MD, MS - Moderator | University of Alabama at Birmingham |
| 10:15-10:45 | Cytogenetic Testing in the Genetic Evaluation | Fady Mikhail, MD, PhD | University of Alabama at Birmingham |
| 10:45-11:25 | Molecular Genomic Testing Strategies | David Bick, MD | HudsonAlpha, Huntsville, AL |
| 11:25-11:45 | Practical Resources for the Pediatrician | University of Alabama at Birmingham |  |
| 11:45-12:45 | OUTCOMES AND FOLLOW-UP | Bruce R. Korf, MD, PhD - Moderator | University of Alabama at Birmingham |
| 2:00-3:30 | Questions and Panel Discussion | NHR, CH-E, ACHE |  |
| 2:30-3:00 | Break |  |
| 3:00-3:30 | Ethical and Legal Issues in Diagnostic Genome Sequencing | Tom May, PhD | HudsonAlpha, Huntsville, AL |
| 3:30-4:00 | Break |  |
| 4:00-4:30 | Session 3  
PARENT PANEL | Ashley Cannon, PhD, MS, CGC - Moderator | University of Alabama at Birmingham |
| 4:30-5:00 | OUTCOMES AND FOLLOW-UP | Ashley Cannon, PhD, MS, CGC - Moderator | University of Alabama at Birmingham |
| 5:00-6:00 | Break |  |

**About Our Keynote Speaker**

Debbie Krakow, MD  
Professor, Orthopaedic Surgery, Human Genetics and Obstetrics and Gynecology  
David Geffen School of Medicine, UCLA  
Los Angeles, CA

Dr. Krakow is an internationally recognized expert on the diagnosis and management of skeletal disorders. She is Professor of Human Genetics and Orthopaedic Surgery at UCLA. She also is Co-Director of the UCLA International Skeletal Dysplasia Registry, a referral center for that focuses on clinical diagnoses and the molecular biology of genetic bone diseases. In addition to her clinical work as a medical geneticist and maternal fetal medicine physician, Dr. Krakow directs a laboratory that has identified the genetic and cellular basis of skeletal diseases. She has authored over 100 peer reviewed papers, numerous reviews and book chapters.

**Learning Objectives**

**UPON COMPLETION OF THIS LIVE ACTIVITY, PARTICIPANTS WILL BE ABLE TO:**

- Recognize features of a child who may benefit from a genetic evaluation.
- Identify the benefits and limitations of chromosomal microarray array testing.
- Distinguish when a child may benefit from broad molecular-based testing strategies (such as whole exome or whole genome sequencing).
- Utilize practical resources for the healthcare management of a child with a genetic condition.
- Reflect on the psychosocial needs of the family of a child with a genetic condition.
- Review outcomes from existing genetic programs in the region.

**Continuing Education**

Children’s of Alabama designates this live activity for a maximum of 5.25 AMA PRA Category 1 Credits™. 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.
Registration

FOR ONLINE REGISTRATION, please visit ChildrensAL.org/genetics

Or complete the form below and mail, email or fax registration form and payment to:
Shaila Handattu, PhD, MBA
Department of Genetics
Kaul 230, 720 20th Street South
Birmingham, AL 35294
hande@uab.edu  FAX 205.934.9488

$35 to Attend
Please make checks payable to Children’s of Alabama.

NAME _______________________________________________________
ADDRESS ___________________________________________
PHONE _____________________________________________
FAX _________________________________________________
EMAIL _______________________________________________

___ PHYSICIAN            ___ NURSE
___ Check here if a Children’s or UAB employee.
Symposium is free to Children’s of Alabama and UAB employees, but you must show your
ID badge to enter.
Special dietary needs __________________________________________

Parking will be available in the Children’s Park Place Deck.
The entrance to the deck is at 16th Street South and 5th Avenue South.

Questions?
Contact Shaila Handattu at hande@uab.edu

Speakers

David Bick, MD
Medical Director, HudsonAlpha Medical Genomics Program
Huntsville, AL

Ashley Cannon, PhD, MS, CGC
Instructor, Certified Genetic Counselor
Department of Genetics
University of Alabama at Birmingham (UAB)

Chad Holdeman Englert, MD
Clinical Geneticist, Fullerton Genetics Center
Mission Health, Asheville, NC

Anna Chessen Edens Hurst, MD, MS
Assistant Professor, Department of Genetics
University of Alabama at Birmingham (UAB)

Whitley V. Kelley, MS
Genetic Counselor, Clinical Applications Specialist
HudsonAlpha Institute for Biotechnology
Huntsville, AL

Bruce R. Korf, MD, PhD
Professor and Chair, Department of Genetics
Director, Heflin Center for Genomic Sciences
Co-Director, UAB-HudsonAlpha Center for Genomic Medicine
University of Alabama at Birmingham (UAB)

Deborah Krakow, MD
Professor, Orthopaedic Surgery, Human Genetics and Obstetrics and Gynecology
David Geffen School of Medicine, UCLA
Los Angeles, CA

Thomas May, PhD
Senior Scientist
HudsonAlpha Institute for Biotechnology
Huntsville, AL

Fady M. Mikhail, MD, PhD
Associate Professor and Co-Director
Clinical Cytogenetics Laboratory, Department of Genetics
University of Alabama at Birmingham (UAB)

Nathanial H. Robin, MD
Professor of Genetics and Pediatrics
University of Alabama at Birmingham (UAB)

March 3, 2017
Friday, 8:00am — 3:30pm
Bradley Lecture Center
6th Floor, Children’s Harbor Building
1600 6th Avenue South
Birmingham, AL 35233

Ava” by Robin Beckwith

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