

Program and Meeting Agenda

2017 UAB/Hudson Alpha Scientific Retreat

Friday, October 27, 2017

Jackson Center, Huntsville Alabama

8:30 – 9:10 am **Registration and Breakfast**

9:10 – 9:20 am **Welcome and Opening Remarks: Bruce Korf and Richard Myers**

Morning Session

Moderator: *Sara Cooper, PhD, HudsonAlpha Institute for Biotechnology*

9:20 – 9:40 am **Genomic Diagnosis for Developmental Delay**
Greg Cooper, PhD, HudsonAlpha Institute for Biotechnology

9:40 – 10:00 am **Mitochondrial Regulation of the Self-Renewal of Epithelial Ovarian Tumor Initiating Cells**
Brian Spurlock, BS, University of Alabama at Birmingham

10:00 – 10:15 am **Break**

10:15 – 10:35 am **Whole Genome Sequencing for Families with Early-Onset Neurologic Diseases: A HudsonAlpha-UAB Collaboration**
Nick Cochran, PhD, HudsonAlpha Institute for Biotechnology

10:35 - 10:55 am **Teaching Dysmorphology in the Genomics Era**
Nat Robin, MD, University of Alabama at Birmingham

11:00 – 12:00 pm **Keynote Address: The Algorithm for Precision Medicine**
Matt Might, PhD, University of Alabama at Birmingham

12:00 – 2:00 pm **Lunch Break and Poster Session**

Afternoon Session

Moderator: *Dan Sharer, PhD, University of Alabama at Birmingham*

2:00 – 2:20 pm

Mitochondrial-Nuclear eXchange Mice Reveal Genetic Contributions to Disease

Laura Lambert, PhD, University of Alabama at Birmingham

2:20 – 2:40 pm

Functional Validation of Sequence Variants

Jozef Lazar, MD, PhD, HudsonAlpha Institute for Biotechnology

2:40 – 3:00 pm

High-throughput Identification of Drug Resistance Mechanisms in Pancreatic Cancer Using Pooled CRISPR Screening

Andrew Hardigan, BA, University of Alabama at Birmingham/HudsonAlpha Institute for Biotechnology

3:00 – 3:20 pm

Break

3:20 – 3:40 pm

Translating Genomic Science to Mitigate a Health Disparity for Adopted Persons

Tom May, PhD, HudsonAlpha Institute for Biotechnology

3:40 – 4:00 pm

The Alabama Genomic Health Initiative

Bruce Korf, MD, PhD, University of Alabama at Birmingham

4:00 – 4:20 pm

Creating an Inclusive Genetic Counseling Workforce: A Local Educational Initiative

Jenny Morgan, BS, University of Alabama at Birmingham

4:30 -

Reception