

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 <i>Greg Cooper, PhD, HudsonAlpha Institute for Biotechnology</i>
9:40 – 10:00 am	Mitochondrial Regulation of the Self-Renewal of Epithelial Ovarian Tumor Initiating Cells <i>Brian Spurlock, BS, University of Alabama at Birmingham</i>
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 <i>Nick Cochran, PhD, HudsonAlpha Institute for Biotechnology</i>
10:35 - 10:55 am	Teaching Dysmorphology in the Genomics Era <i>Nat Robin, MD, University of Alabama at Birmingham</i>
11:00 – 12:00 pm	Keynote Address: The Algorithm for Precision Medicine <i>Matt Might, PhD, University of Alabama at Birmingham</i>
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

*Speaker bios and poster abstracts can be found online at
<http://www.uab.edu/medicine/genetics/research/scientific-retreats>