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**