# 4th Annual Mini-Symposium, April 6, 2017

The Power of Informatics to Advance Health

CU Anschutz Medical Campus – RC 2, Krugman Hall

<table>
<thead>
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<th>9:00 AM Coffee and Networking</th>
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<td>9:55 Welcome and Introductions</td>
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**Session I**  
Chair: Chris Miller  
**10:00 - 10:20 AM**  
Genetic Risk Prediction for Complex Traits: An Example Using Generalized Vitiligo  
Stephanie Santorico  
**10:20 - 10:40 AM**  
Integrative Genomics: Insights into Rare Neuroendocrine Tumors  
Lauren Fishbein  
**10:40 - 11:00 AM**  
Multiplexed Analysis of DNA repair capacity  
Jay Hesselberth

**10 min Coffee Break/Networking**

**Session II**  
Chair: Katerina Kechris  
**11:10 - 11:30 AM**  
Translational Informatics to Accelerate Cancer Discovery  
Matthew Rioth  
**11:30 - 11:50 AM**  
Hypertonic Saline Attenuates the Cytokine-Induced Pro-Inflammatory Signature in Primary Human Lung Epithelia  
Kenneth Jones  
**11:50 - 12:10 PM**  
The Application of Mass Cytometry and Bioinformatics Data Analysis for the Understanding of Pediatric Systemic Lupus Erythematosus (SLE)  
Elena Hsieh

**60 min Lunch/Networking**

**Session III**  
Chair: AC Tan  
**1:10 - 1:30 PM**  
Understanding Down Syndrome as an Immune Disorder Using Genomics and Other High Throughput Approaches  
Kelly Sullivan  
**1:30 - 1:50 PM**  
High Consequence Pathogen Outbreak Response in Low Resource Settings: The Need for Leapfrogging Health Information to Manage and Control an Outbreak  
May Chu  
**1:50 - 2:10 PM**  
From Sleep Monitoring to CMS Data Mining: Biomedical Data Management and Mining a at Big Data Laboratory (BDLab)  
Farnoush Banaei-Kashani

**10 min Coffee Break/Coffee Break/Networking**

**Session IV**  
Chair: Jim Costello  
**2:20 - 2:40 PM**  
Unbounded Knowledge: Integrating Science across Disciplines  
Jimi Adams  
**2:40 - 3:00 PM**  
PheWAS: A Brief Introduction to One of Genetics New Buzzwords and its Roots in Electronic Medical Records  
Erin Austin

**Keynote:**  
**Kathleen Barnes, PhD,**  
Head of the Division of Biomedical Informatics and Personalized Medicine in the Department of Medicine at the University of Colorado School of Medicine at the Anschutz Medical Campus

For more information, please contact Inge Wefes, PhD: inge.wefes@ucdenver.edu  
For special accommodation, please contact: Patricia.Goggans@ucdenver.edu  
A light breakfast and lunch will be provided. Registration is free, but required: [https://gs.ucdenver.edu/limesurvey/index.php/727265](https://gs.ucdenver.edu/limesurvey/index.php/727265)