

# 3<sup>rd</sup> Annual Translational and Transformative Informatics Symposium

Thursday, March 28<sup>th</sup>, 8:30 a.m. - 12:30 p.m.

Hilton Birmingham at UAB

- 8:30 - 8:45**      **Introduction**  
*Alex Rosenberg, Ph.D.*  
Department of Microbiology, Informatics Institute, UAB
- 8:45 - 9:00**      **Resolution of Highly Proliferative Plasmablasts in Systemic Lupus Erythematosus**  
*Oluwagbemiga Ojo*  
Division of Clinical Immunology and Rheumatology, UAB
- 9:00 - 9:15**      **T cell Receptor Sequencing Reveals Recruitment of Regulatory T Cells From the Periphery into Omental Tumors**  
*Mingyong Liu*  
Division of Clinical Immunology and Rheumatology, UAB
- 9:15 - 9:30**      **Meiotic Recombination in Human Genomes: a Landscape of Crossovers and Non-Crossover gene conversions**  
*Peng Xu, Ph.D.*  
Department of Genetics, Informatics Institute, UAB
- 9:30 - 9:45**      **ALAS2 Expression is a Potential Biomarker of COPD Cachexia**  
*Ava Wilson, MS*  
Division of Pulmonary, Allergy and Critical Care, UAB
- 9:45 - 10:00**      **Coffee Break**
- 10:00 - 10:15**      **Downstream Analysis with PAGER**  
*Jake Chen, Ph.D.*  
Department of Genetics, Informatics Institute, UAB
- 10:15 - 10:30**      **DeBreak: Deciphering the Exact Breakpoints of Structural Variants using Long Sequencing Reads**  
*Yu Chen*  
Department of Genetics, Informatics Institute, UAB
- 10:30 - 10:45**      **Explore, Analyze, and Publish RNA-Seq, DNA-Seq, and Gene Function Data with Integrated Genome Browser**  
*Ann Loraine, Ph.D.*  
Department of Bioinformatics and Genomics, University of North Carolina, Charlotte
- 10:45 - 11:00**      **The Kinomics Toolbox and Xenoline Tracker: Web APIs for Interactive, Integrative Data Analysis and Exploration**  
*Alex Dussaq, Ph.D.*  
Department of Radiation Oncology, UAB
- 11:00 - 11:15**      **Break**
- 11:15 - 12:15**      **Keynote - Bioinformatic Approaches to Untangling Epigenetic Complexity**  
*Devin Absher, Ph.D.*  
HudsonAlpha Institute, Huntsville AL