

UAB 2nd Annual Translational and Transformative Informatics Symposium (ATTIS 2018)

April 25, 2018
9am-5pm

Bevill Biomedical Research Building, Room 170
845 19th Street South
Birmingham AL, 35205

Scientific Program

8:00 - 9:00 AMPoster Set Up

9:00 - 9:15 AMWelcome and Opening Remarks

[Jake Chen, PhD](#)

Professor of Genetics and Computer Science
Associate Director, Informatics Institute
Chief Bioinformatics Officer

9:15 - 10:00 AMKeynote Presentation

[Ying Xu, PhD](#)

Regents-GRA Eminent Scholar Chair
Professor of Bioinformatics and Computational Biology
University of Georgia

"Searching for roots of cancer formation and development in the chemistry of cellular acid-base homeostasis"

Session I: Clinical Informatics and Clinical Research Informatics

Chair: Wayne H. Liang, MD, MS

10:00 - 10:15 AM Talk 1 [Wayne Liang, MD, MS](#)

Assistant Professor of Pediatrics and
UAB Informatics Institute
Introduction to Clinical Informatics

10:15 - 10:30 AM Talk 2 **Stephanie Lenz-Norman, MSN, RN**

UAB School of Nursing
Adjunct Instructor
EMR Transition for Ambulatory Care

10:30 - 10:45 AM Talk 3 [Christine Stoops, DO, MPH](#)
Fellow
UAB Department of Pediatrics
*“Baby NINJA: Reduction of Nephrotoxic Medication-Associated Acute
Kidney Injury in the NICU*

10:45 - 11:00 AM Talk 4 [Namasivayam Ambalavanan, MD](#)
Professor
Departments of Pediatrics
Division of Cell Biology and Pathology
*Clinical Research Informatics, Disease Data Analytics, and Translational
Bioinformatics in Neonatal Intensive Care*

11:00 - 11:15 AM Talk 5 **Matthew Wyatt, MSHI**
Director of Clinical Research Informatics
UAB Informatics Institute
UAB i2b2: Present and Future

Poster Session

Chair: Matthew Wyatt, MSHI
UAB Informatics Institute

11:15 - 12:30 PM **Poster Session and Lunch Break**

Session II: Biocomputing and statistical genomics

Chair: [Purushotham V. Bangalore, PhD](#)

Professor of Computer Science, Director of Collaborative Computing Laboratory

12:30 - 12:45 PM Talk 6 [Sean Davis, MD, PhD](#)
Staff Scientist
Center for Cancer Research, National Cancer Institute
Bioconductor and NCI data resources at Genomic Data Common

12:45 - 1:00 PM Talk 7 **Aaron Hall**
Vulcan Informatics
*Analyzing large public datasets with automated software solutions can greatly
increase research efficiency*

1:00 - 1:15 PM Talk 8 **Zongliang Yue**
PhD Student Trainee
UAB Informatics Institute
WIPER: Weighted in-path edge ranking for biomolecular association networks

1:15 - 1:30 PM Talk 9 [Hemant Tiwari, PhD](#)
Professor
Department of Biostatitics
William “Student” Sealy Gosset Professor
Statistical genetics and Bioinformatics Toolbox from UAB

3:15 - 3:30 PM Talk 16 **Christopher Fucile, MS**
Scientist
UAB Informatics Institute
Visualizing the B Cell Receptor Repertoire

3:30 - 3:45 PM Talk 17 **Min Gao, PhD**
Scientist
UAB Informatics Institute
PAIRS: Partnered Advancement of Informatics Research and Support—A Case Study

3:45 - 4:00 PM Talk 18 **Deeann Wallis, PhD**
Associate Professor
UAB School of Medicine
Department of Genetics
Transcriptomic and Proteomic changes in NF1 deficient cells

4:00 - 4:15 PM Talk 19 **Chindo Hicks, PhD**
Professor
LSU Health, School of Medicine
Department of Genetics
Program Director
Bioinformatics & Genomics Program
Integrating Germline with Somatic Mutation Information for the Discovery of Biomarkers in Prostate Cancer

Education Panel

Moderator: James Willig, MD, MSPH
Associate Professor
UAB School of Medicine
Division of Infectious Diseases
Assistant Dean for Clinical Education
Director, Research and Informatics Services Center (CFAR).

4:20 - 4:55 PM **Eta Berner, EdD**
Professor
UAB School of Health Professions
Director
UAB Center for Health Informatics Program

Jake Chen, PhD
Professor
Chief Bioinformatics Officer.
UAB School of Medicine
Department of Genetics
Associate Director
UAB Informatics Institute

David Crossman, PhD

Associate Professor
UAB School of Medicine
Department of Genetics
Bioinformatics Director
Hefflin Center for Genomic Science.

Tim Kennell Jr., BS

MSTP student
UAB Informatics Institute

Yuliang Zheng, PhD, MS

Professor and Chair
UAB School of Arts and Sciences
Department of Computer Sciences

Reception and Poster Award Ceremony

5:15 - 6:30 PM

UAB Informatics Institute

[THT 144, Vault Conference Room](#)

Committee

Jake Chen (Chair), James Cimino, Hemant Tiwari, James Willig, Elliot Lefkowitz, David Crossman, Purushotham Bangalore, Merry-Lynn McDonald, Alex Rosenberg, Wayne Liang, Zechen Chong, Yuliang Zheng, Tim Kennell, Matt Wyatt, Amanda Carballo, Stephanie Ledbetter

Sponsors

Informatics Institute, Center for Clinical and Translational Science, Department of Pathology, Department of Biochemistry and Molecular Biology, Multidisciplinary Clinical Research Center