

Conference Schedule

All workshop sessions meet in the Dean's Meeting Center, 26th Floor, and College of Arts and Sciences Event Center, 2nd Floor, 25 Park Place, Atlanta, GA 30303.

Friday, May 08, 2026

2:00 pm -5:30 pm **Registration:** Room 1417 on the 14th Floor, 25 Park Place, Atlanta, GA 30303

1:00 pm-5:00 pm **Short Course “Empowering Your Study Through Federated Learning: PDA and the New MOSAiC Framework”**

Yong Chen, University of Pennsylvania

Room 1441, 26th Floor, 25 Park Place, Atlanta, GA 30303

Saturday, May 09, 2026

8:00-8:35 am **Registration and Refreshments:** Dean's Meeting Center, 26th Floor, 25 Park Place

8:35-8:45 am **Welcome and Opening Remarks:** Stephanie Gutzler, Associate Dean
College of Arts and Sciences
Georgia State University

8:45-9:45 am **Session 1 (Keynote Speech): Chair:** *Yichuan Zhao, Georgia State University*

The Estimation–Efficiency Frontier in

Portfolio Complexity

Ming Yan, Columbia University

9:45-10:00 am **Break:** Refreshments

10:00-11:50 am **Session 2: Chair:** *Ruiyan Luo, Georgia State University*

Precision Generalized Phase 1-2 Designs

Peter Thall, M.D. Anderson Cancer Center

Neural Amortized Bayesian Computation

Xiao Wang, Purdue University

Transcriptomic Immune Responses to Respiratory

Viral Inoculation and Vaccine Challenges

Fei Zou, University of North Carolina at Chapel Hill

11:50-1:30 pm

Box Lunch & Poster Set Up

1:30-3:15 pm

Session 3: Chair: *Vladimir Bondarenko, Georgia State University*

Integrating AI, Machine Learning, and Real-World

Evidence in Clinical Trial Design and Analysis

Sejong Bae, Augusta University

Large Precision Matrix Estimation with

Unknown Group Structure

Yuan Ke, University of Georgia

Deep Learning for Epidemic Modeling:

Emerging Methods and Applications

Max Lau, Emory University

3:15-3:25 pm

Break: Refreshments

3:25-5:10 pm

Session 4: **Chair:** *Li-Hsiang Lin, Georgia State University*

*Genetic ancestry, population structure, and health
outcomes in the All of US Research Program*

King Jordan, Georgia Institute of Technology

*Accurate and Ultra-Efficient p-Value Calculation for Higher
Criticism Tests and Adaptive Rank Truncated Product Test*

George Tseng, University of Pittsburgh

Federated Bayesian Clustering for High-Dimensional

*Efficient designs and analysis of two-phase studies with
longitudinal binary data*

Jake Chen, University of Alabama at Birmingham

5:10-5:20 pm

Break: Refreshments

5:20-6:55 pm

Poster Session: Chair: *Vladimir Bondarenko, Georgia State University*

College of Arts & Sciences Event Center, 2nd Floor, 25 Park Place

7:10-9:30 pm

Workshop Banquet: **Hsu's Gourmet:**

192 Peachtree Center Ave NE, Atlanta, GA 30303

All workshop sessions meet in the Dean's Meeting Center, 26th Floor, 25 Park Place

Sunday, May 10, 2026

8:00-8:30 am **Registration and Refreshments:** Dean's Meeting Center, 26th Floor, 25 Park Place

8:30-10:15 am **Session 5: Chair:** *Zhigang Li, University of Florida*

*scCOSMiX – A Mixed-Effects Framework for Differential
Coexpression and Transcriptional Interactions Modeling in
Single-Cell RNA-Seq*

Nan Lin, Washington University, St. Louis

Heterogeneous Statistical Transfer Learning

Subhadeep Paul, The Ohio State University

*Deciphering upstream signaling pathways through interpreting cell
state and niche correlations learned by graph transformer*

Zuoheng Wang, Yale University

10:15-10:30 am **Break:** Refreshments

10:30-12:05 pm

Session 6: **Chair:** *Kangni Alemjrodo, Georgia State University*

*Inverse weighted estimating equation for analyzing
microbiome data*

Zhigang Li, University of Florida

*Biomedical Data: Communication-Efficient Latent Mixture
Models*

Sounak Chakraborty, University of Missouri

*mist: A Hierarchical Bayesian Framework for Detecting
Differential DNA Methylation Dynamics in Single-Cell Data*

Hao Feng, University of Texas Health Science Center at Houston

12:05-12:10 pm

Award Ceremony & Final Remarks: Yichuan Zhao

12:10-12:45 pm

Box Lunch