

Sunday, Aug 3

2:00 PM - 3:50 PM

Bayesian Methods for Structured, Heterogeneous and High-Dimensional Neuroimaging Data

Data 🖺

Innovative Statistical and Computational Approaches for Multi-modal Data in Ophthalmology Research

From Screening to Analysis: Harnessing Large Language Models in Clinical Development

4:00 PM - 5:50 PM

Denoising and Enhancing Data Analysis: Capturing True Signals and Addressing Errors with Advanced Statistical Approaches

Recent Advances in Statistical Methods for Integrative Analyses of Healthcare Data

Anomalous data detection through AI/ML

Papers Posters Panel ●

Key: Contributed



Sunday, Aug 3, continued

4:00 PM - 5:50 PM

Integrative Statistical Methods for Health Data and Microbiome Research

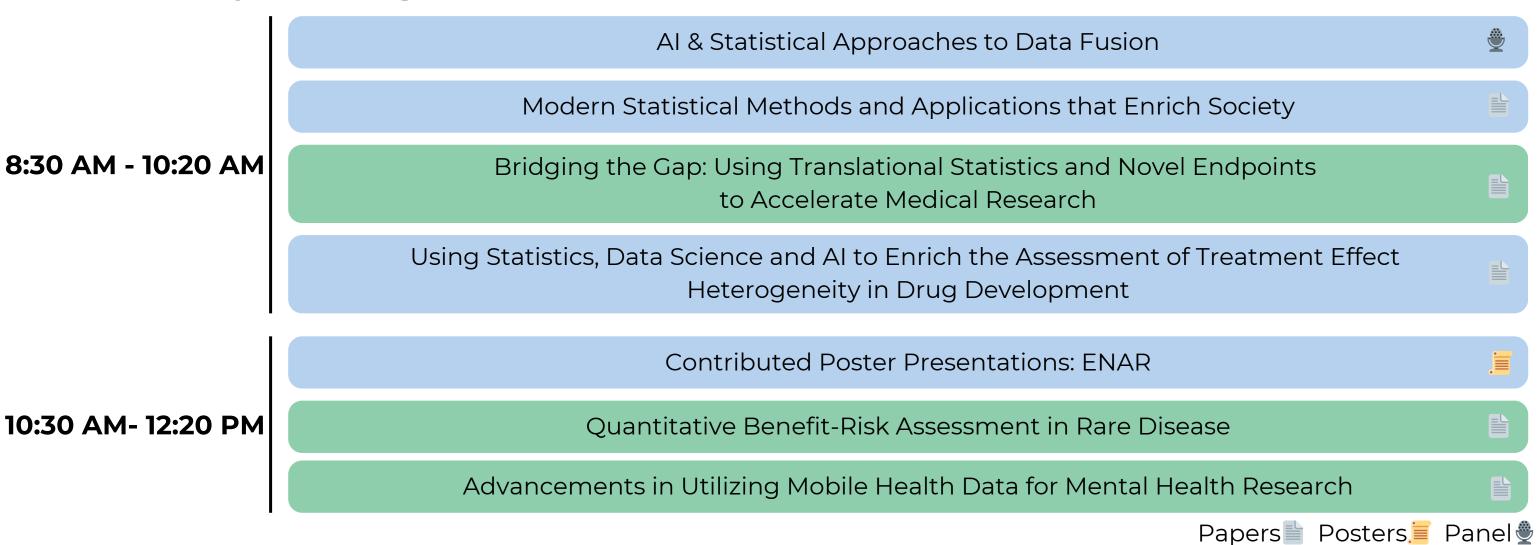
Improving Dose Selection in Drug Development: Efficient Modeling Approaches
Based on Early Data

Novel Statistical Methods for the Design and Analysis of Two-Phase Studies





Monday, Aug 4



Key:

Contributed



Monday, Aug 4, continued

Applications of Multistate Model on Complex Disease Processes

Enriching Society by Using Innovative Statistics to Address Non-adherence in Clinical Trials

Innovations at the Interface of Statistics, AI, and Real-World Evidence

Recent Advances in Computing, Optimization, and Causal Inference for Adaptive Clinical Trials

Statistical Innovations for Assessing Linear and Non-Linear Associations in

Genetic and Genomic Data

Recent Advancement of Statistical Methods for Environmental Health Studies

2:00 PM - 3:50 PM

Papers Posters Panel Contributed Invited



Tuesday, Aug 5

8:30 AM - 10:20 AM

10:30 AM- 12:20 PM

Advancing Precision Medicine through Bayesian Methods: Opportunities and Challenges

Modern statistical methods in HIV research



Expanding Our Reach: Sampling, Measurement, and Advocacy for Vulnerable Populations

Beyond Academia: Exploring Statistics Careers in Industry, Government, and More



Innovative Statistical Approaches to Mitigate Data Challenges in Women's and Maternal Health 🗎



Complex Innovative Trial Designs: Current State and Future Prospects



Innovative Statistical Methods and AI for unlocking the power of spatial omics



Papers Posters Panel

Contributed

Invited



Tuesday, Aug 5, continued

2:00 PM - 3:50 PM

Novel methods for complex time-to-event and longitudinal data in medical studies



Statistics, Data Science, and Al for Complex Data in Reproducible Biomedical Research



Advanced Causal Analysis: Mediation, Treatment Effects, and High-Dimensional Inference



Leveraging Machine Learning Methods to Determine the "Omics" Risks of Aging Comorbidities 🖹



Papers Posters Panel

Key: Contributed



Wednesday, Aug 6

8:30 AM - 10:20 AM

10:30 AM- 12:20 PM

Enhancing Estimand Related Sponsor-regulatory Interactions



Enriching the Analysis of Chronic Kidney Disease with Statistics and Its New Frontiers



Large Language Models in Biomedical and Statistical Knowledge Discovery



From reactive to proactive medicine: Statisticians' evolving roles in the learning health system



Frontiers in Biomedical Imaging and -Omics Data Analysis



The Strengthening Analytical Thinking in Observational Studies (STRATOS) Initiative



Metaheuristic Algorithms for Finding Optimal Experimental Designs For Biomedical and Related Studies



Papers Posters Panel

Contributed

Invited



Wednesday, Aug 6

2:00 PM - 3:50 PM

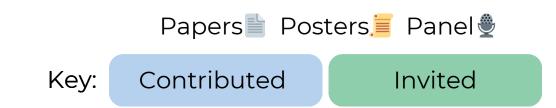
Advanced Models for Longitudinal and Spatial Data in Health Research

Advancing Pharmaceutical Research: Estimating Heterogenous Treatment

Effects through Virtual Twins

Data-Driven Impact: The Evolving Role of Statisticians and Data Scientists

in Academic Medicine





Thursday, Aug 7

Beyond Simulation: How Generative Digital Twins are Reshaping Clinical Development

Enhancing AI with Advanced Sampling and Data Splitting Techniques for Big Data

From Compositional Microbiome Data to Longitudinal Biomarker Analysis:

Cutting-Edge Statistical Methods

Advanced Strategies for Longitudinal Causal Inference and Treatment Switching

New statistical models for transcriptomics analysis with emerging technologies

10:30 AM- 12:20 PM

Innovations in Biological Network Modeling: Unraveling Omics Data Analysis

Papers Posters Panel

Key: Contributed



Thursday, Aug 7, continued

10:30 AM- 12:20 PM

Machine Learning Meets Statistics: Challenges and Solutions in Robust Inference for Biomedical Data

Modern Statistical Methods for Advancing Biomedical and Neuroimaging Research

More is Better or Less is More: Isolating the Contribution of Effect in Treatment Sequences

Recent Developments and Innovative Methods for Indirect Treatment Comparisons in CER and HTA

Microbiome Beyond Bacteria with AI and statistical tools: Integrating Virome and Multi-Omics

Pioneering New Strategies in Preventive Healthcare: Design and Analysis Innovations

Papers Posters Panel

Contributed

Invited