Sunday, Aug 3

2:00 PM - 3:50 PM

Bayesian Methods for Structured, Heterogeneous and High-Dimensional Neuroimaging 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 | Invited

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 📄

Papers📄 Posters📜 Panel🎤

Key: Contributed | Invited

Monday, Aug 4

8:30 AM - 10:20 AM

- AI & Statistical Approaches to Data Fusion 🎙️
- Modern Statistical Methods and Applications that Enrich Society 📄
- Bridging the Gap: Using Translational Statistics and Novel Endpoints to Accelerate Medical Research 📄
- Using Statistics, Data Science and AI to Enrich the Assessment of Treatment Effect Heterogeneity in Drug Development 📄

10:30 AM- 12:20 PM

- Contributed Poster Presentations: ENAR 📜
- Quantitative Benefit-Risk Assessment in Rare Disease 📄
- Advancements in Utilizing Mobile Health Data for Mental Health Research 📄

Papers📄 Posters📜 Panel🎙️

Key: Contributed | Invited

Monday, Aug 4, *continued*

2:00 PM - 3:50 PM

- 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

Papers📄 Posters📜 Panel🎙️

Key: Contributed Invited

Tuesday, Aug 5

8:30 AM - 10:20 AM

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 📄

10:30 AM- 12:20 PM

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 🎙️

Key: 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 AI 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   Invited

8:30 AM - 10:20 AM

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 📄

10:30 AM- 12:20 PM

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🎙️

Key: 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

Papers📄 Posters📃 Panel🎙️

Key: Contributed | Invited

Thursday, Aug 7

8:30 AM - 10:20 AM

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   Invited

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 🎤

Key: Contributed   Invited