2023 ASA Annual Florida Chapter Meeting Schedule

Day 1 (March 24th , Friday)

- **Check-in** (Breakfast snacks and coffee/water available) — **8:45 – 9:00** C1-011 (Communicore)

- **Opening/Welcome** (Chair: Dr. Susmita Datta, Professor, Department of Biostatistics, University of Florida) — **9:00 - 9:15** C1-011 (Communicore)

  Dr. Peihua Qiu, Chair and Professor, Department of Biostatistics, University of Florida

- **Keynote Session I** (Organizer & Chair: Dr. Rhonda Bacher, Assistant Professor, Department of Biostatistics, University of Florida) — **9:15 - 10:15** C1-011 (Communicore)

  Title: *"Bayesian machine learning for causal inference and missing data"*
  Speaker: Dr. Mike Daniels, Chair and Professor, Department of Statistics, University of Florida

- Break – Coffee/Water available — **10:15 - 10:30**

- **Invited Session: "Statistical approaches for analyzing large-scale biomedical data"** (Organizer & Chair: Dr. Li Chen, Associate Professor, Department of Biostatistics, University of Florida) — **10:30 - 12:00** C1-011 (Communicore)
  - 10:30-11:00: *"Efficient Surrogate-Assisted Inference for Patient-Reported Outcome with Complex Missing Mechanisms"*
    Speaker: Muxuan Liang, Assistant Professor, Department of Biostatistics, University of Florida
  - 11:00-11:30: *"Statistical strategies for prognostic biomarkers screening with high-dimensional omics data"*
    Speaker: Xuefeng Wang, Associate Member/Associate Professor, Department of Biostatistics and Bioinformatics, Moffitt Cancer center
  - 11:30-12:00: *"A Bayesian network for fine-mapping disease risk loci by integrating functional genomics"*
    Speaker: Sai Zhang, Assistant Professor, Department of Epidemiology, University of Florida

- Lunch Break – Box lunches provided from Honey Baked Ham — **12:00 - 1:15**

- **Invited Session: "Statistical estimation and models in high-dimension settings"** (Organizer & Chair: Dr. Muxuan Liang, Assistant Professor, Department of Biostatistics, University of Florida) — **1:15 - 2:45** C1-011 (Communicore)
  - 1:15-1:45: *"Joint estimation of precision matrices for high-dimensional time series with long-memory"*
    Speaker: Jongik Chung, Assistant Professor, Department of Statistics & Data Science, University of Central Florida
  - 1:45-2:15: *"Causal effects of continuous exposures in the presence of spatial interference: the effects of air pollution on public health"*
    Speaker: Joseph Antonelli, Assistant Professor, Department of Statistics, University of Florida
  - 2:15-2:45: *"Envelope model for function-on-function linear regression"*
    Speaker: Zhihua Su, Associate Professor, Department of Statistics, University of Florida

- Break- Coffee/Water available — **2:45 - 3:00**

- **Special Contributed Session** (Organizer & Chair: Rhonda Bacher, Assistant Professor, Department of Biostatistics, University of Florida) — **3:00 - 3:15** C1-011 (Communicore)

  Title: *"How to build a professional community for collaborative biostatisticians?"*
  Speaker: Dr. Terrie Vasilopoulos, Associate Professor, Department of Anesthesiology, College of Medicine, University of Florida

- **Contributed Session A** (Chair: Heng Ge, Department of Biostatistics, University of — **3:20 - 3:52**

Florida)

C1-011 (Communicore)

- ○ 3:20-3:28 *"S-GMAS: Shape based Genome-wide Mediation Analysis"* <u>Speaker</u>: Shengxian Ding, Department of Statistics, Florida State University
- ○ 3:28-3:36 *"Multimodal Functional Deep Learning for Multi-omics Data"* <u>Speaker</u>: Yuan Zhou, Department of Biostatistics, University of Florida
- ○ 3:36-3:44 *"An Association Test for Sequencing Data Based on Kernel Neural Networks"* <u>Speaker</u>: Tingting Hou, Department of Biostatistics, University of Florida
- ○ 3:44-3:52 "*Selection of Variance Component for KNN*" <u>Speaker:</u> Heng Ge, Department of Biostatistics, University of Florida

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- **Contributed Session B** (Chair: Meilin Jiang, Department of Biostatistics, University of Florida)
  - ○ 3:20-3:28 *"Death or Survival: Which You Measure May Affect Conclusions"* <u>Speaker</u>: Jake Shannin, Department of Statistics, University of Florida
  - ○ 3:28-3:36 *"Effective Comparison of Two Potentially Crossing Hazard Rate Curves"* <u>Speaker</u>: Xiaoxi Zhang, Department of Biostatistics, University of Florida
  - ○ 3:36-3:44 *"A Novel Causal Mediation Analysis Approach for Zero-Inflated Mediators"* <u>Speaker</u>: Meilin Jiang, Department of Biostatistics, University of Florida
  - ○ 3:44-3:52 *"An iterative method for detecting outlying studies in meta-analysis"* <u>Speaker</u>: Zhuo Meng, Department of Statistics, Florida State University

- **Break-** Coffee/Water available   **3:55 – 4:00**

- **Contributed Session C** (Chair: Jack Leary, Department of Biostatistics, University of Florida)   **4:00 – 4:35**
  C1-011 (Communicore)
  - ○ 4:00-4:08 *"JUMP: replicability analysis of high-throughput experiments with applications to spatial transcriptomic studies"*
    <u>Speaker</u>: Pengfei Lyu, Department of Statistics, Florida State University
  - ○ 4:08-4:16 *"Inferring cell-cell communications from spatially resolved transcriptomics data"* <u>Speaker</u>: Dongyuan Wu, Department of Biostatistics, University of Florida
  - ○ 4:16-4:24 *"Incorporating Subsampling into Bayesian Model for High-Dimensional Spatial Data"* <u>Speaker</u>: Sudipto Saha, Department of Statistics, Florida State University
  - ○ 4:24-4:32 *"Modeling of clustered censored survival data with spatial correlated random effects using SBART"* <u>Speaker</u>: Durbadal Ghosh, Department of Statistics, Florida State University

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- **Contributed Session D** (Chair: Zibo Tian, Department of Biostatistics, University of Florida)
  - ○ 4:00-4:08 "*Skew-Normal Classification in High-Dimensional data*" <u>Speaker</u>: Haesong Choi, Department of Statistics, Florida State University
  - ○ 4:08-4:16 *"High-dimensional Posterior Consistency in Multi-response Regression models with Non-informative Priors for Error Covariance Matrix"* <u>Speaker</u>: Partha Sarkar, Department of Statistics, University of Florida
  - ○ 4:16-4:24 *"Multivariate single index modeling of longitudinal data with multiple responses"* <u>Speaker</u>: Zibo Tian, Department of Biostatistics, University of Florida
  - ○ 4:24-4:32 *"A general framework for online monitoring of dynamic networks"* <u>Speaker</u>: Yipeng Wang, Department of Biostatistics, University of Florida

- **Poster Session**   **4:35 - 5:30**
  HPNP Lobby

- **Break (walk over to HME)**   **5:30 – 5:45**

- **Evening Dinner with Keynote** (Organizer: Rhonda Bacher; Chair: Dr. Ji-Hyun Lee, Professor, Department of Biostatistics, University of Florida)   **5:45 – 7pm**
  HME-135 (Harrell Medical Education Building)

  <u>Title</u>: *"Cancer research through a lens of a data scientist"*
  <u>Speaker</u>: Ann Chen, Senior Member, Department of Biostatistics and Bioinformatics, Moffitt Cancer Center & Professor, Departments of Biostatistics and Epidemiology & Oncologic Sciences, University of South Florida

Day 2 (March 25th, Saturday)

- Business Meeting
  (Breakfast snacks will be available by 9am)

  8:00 - 9:00
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- **Keynote Session II** (Organizer: Dr. Rhonda Bacher, Assistant Professor, Department of Biostatistics, University of Florida; Chair: Dr. Muxuan Liang, Assistant Professor, Department of Biostatistics, University of Florida)

  9:15 - 10:15
  G-101 HPNP

  Speaker: Ira Longini, Professor, Department of Biostatistics, University of Florida
  <u>Title</u>**:** *"Statistical details for a platform trial design for preventive vaccines against emerging infectious disease threats"*

- Break- Coffee/Water available

  10:15 - 10:30

- **Invited Session** (Organizer & Chair: Dr. Susmita Datta, Professor, Department of Biostatistics, University of Florida)

  10:30 - 12:00
  G-101 HPNP

  - 10:30-11:00: *"Tensor modeling in categorical data analysis and association studies"*
    <u>Speaker</u>: Henry Zhang, Associate Professor, Department of Statistics, Florida State University
  - 11:00-11:30: *"Multiresolution categorical regression for interpretable cell type annotation"*
    <u>Speaker</u>: Aaron Molstad, Assistant Professor, Department of Statistics, University of Florida
  - 11:30-12:00: *"Nonparametric Group Variable Selection with Multivariate Response for Connectome-Based Modeling of Cognitive Scores"*
    <u>Speaker</u>: Arkaprave Roy, Assistant Professor, Department of Biostatistics, University of Florida

- **Closing Announcement** (Dr. Senthil Girimurugan, Associate Professor, Department of Mathematics, Florida Gulf Coast University)

  12:00 - 12:15
  G-101 HPNP

Thank you all for attending and participating!

<u>**Program Committee:**</u> Drs. Rhonda Bacher, Susmita Datta, Li Chen, Muxuan Liang

<u>**Local Organizing Committee:**</u> Drs. Rhonda Bacher, Susmita Datta, Li Chen, Muxuan Liang, & Department of Biostatistics Staff: Malayshia King and Mariana Miranda

<u>**Student Competition Judges:**</u> Drs. Jonathan Fischer, Senthil Girimurugan, Xin Zhang, Aaron Molstad, Arkaprava Roy, Muxuan Liang, Jonathan Fischer, & Rhonda Bacher