

Workshop on Statistical Significance

Friday, November 22, 2019

Texas A&M University, BLOC 457



- 8:30 am** Welcome and Introduction: Samiran Sinha, *Associate Department Head for Operations & Professor*
- 8:35 am** Stephen Walker (University of Texas): *“Hypothesis Testing, p-Values and Significance”*
- 9:15 am** Sanjukta Chakraborty (Texas A&M University): *“Targeting Lymph Node Metastasis to Inhibit Cancer Progression: Integration of Signatures from Genomic Databases”*
- Dennis Gorman (Texas A&M University): *“Why Researchers Love p-Values”*
- 10:15 am** Break
- 10:30 am** Heath Blackmon (Texas A&M University)
“Making the Most of Bayesian Approaches in the Face of Idiosyncratic Biological Data”
- Ivan Ivanson (Texas A&M University)
“Data Integration in the Settings of High Dimensionality and Small Numbers of Samples”
- 11:45 am** Lunch (Fisher Bowl, Room 453) *Lunch will be provided for all workshop attendees
- 1:00 pm** Val Johnson (Texas A&M University)
“Statistical Factors that Contribute to Non-Reproducibility of Science”
- 1:40 pm** Rajesh Miranda and Nihal Salem (Texas A&M University)
“Fetal Sex is a Determinant of Maternal Plasma microRNA Responses to Prenatal Alcohol Exposure: Evidence from an Analysis of a Ukraine Cohort”
- 2:40 pm** Break
- 3:00 pm** Jonathan Meer (Texas A&M University): *“The Use and Misuse of p-Values in Economics”*

Co-Organizers:

Alan Dabney, *Department of Statistics, TAMU*

Tanya P. Garcia, *Department of Statistics, TAMU*

Samiran Sinha, *Department of Statistics, TAMU*

Discussants:

Jeff Hart, *Department of Statistics, TAMU*

Darren Homrighausen, *Department of Statistics, TAMU*

Stephen Walker, *Department of Mathematics, University of Texas*