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5<sup>th</sup> International Conference on

# **Biometrics & Biostatistics**

October 20-21, 2016 Houston, USA

## **Scientific Program**



Windsor III

conference**series.com** 09:45-10:00

# Opening Ceremony

## Keynote Forum

### Introduction

10:00-11:00

**Title: NGS data process and building/testing drug-sensitivity predictive models for both single agents and drug combinations**

Bin Li, Takeda Pharmaceuticals International Co., USA

### Networking and Refreshment Break 11:00-11:20 @ Foyer

11:20-12:05

**Title: Characteristics of biostatistics, epidemiology, and research design programs in institutions with clinical and translational science awards**

Mohammad H Rahbar, The University of Texas Health Science Center at Houston, USA

12:05-12:50

**Title: Cutting edge computational solutions for large scale high-dimensional data sets arising out of new biology**

Ajit Kumar Roy, Central Agricultural University, India

## Panel Discussions

Group Photo @ 12:50-13:00

Lunch Break 13:00-13:50 @ Churchill

### Sessions:

Bioinformatics | Biometrics Applications | Cyber security | Statistical Methods | Clinical Biostatistics | Computational Systems Biology

Session Chair: Bin Li, Takeda Pharmaceuticals International Co., USA

Session Co-chair: Ajit Kumar Roy, Central Agricultural University, India

### Session Introduction

13:50-14:20 **Title: Bringing your bioinformatics tools to cyverse's discovery environment using docker**

Upendra Kumar Devisetty, University of Arizona, USA

14:20-14:50 **Title: Identification of a human serum metabolome causal network using large scale data integration reveals pathways from the genome to risk factors and disease end points**

Azam Yazdani, The University of Texas, School of Public Health, USA

14:50-15:20 **Title: Integrating genome and transcriptome data to predict functional driver mutation in breast cancer**

Zixing Wang, The University of Texas Graduate School of Biomedical Sciences, USA

15:20-15:50 **Title: Using pattern mixture models in sensitivity analysis**

Wei Zhong, ICON Clinical Research, USA

### Networking and Refreshment Break 15:50-16:10 @ Foyer

16:10-16:40 **Title: Spatial point process and its application in geographical epidemiology**

Murat YAZICI, JForce Information Technologies Inc., Turkey

16:40-17:10 **Title: Diversity of non tuberculous mycobacteria prevalent in the districts of west bengal, india-a statistical study.**

Tapti Sengupta, West Bengal State University, India

## Panel Discussions

Day 2      October 21, 2016

## Windsor III

### Keynote Forum

#### Introduction

09:45-10:35

**Title: Correlation and distance concepts together suggest impaired driving due to alcohol than marijuana is menace to road safety**

Ramalingam Shanmugam, Texas State University, USA

#### Networking and Refreshment Break 10:35-10:55 @ Foyer

10:55-11:40

**Title: Extensions of dynamic programming for machine learning and knowledge representation**

Mikhail Moshkov, King Abdullah University of Science and Technology, Saudi Arabia

### Panel Discussions @ 11:40-11:50

#### Sessions:

Modern data analysis | Biometric security | Regression Analysis | Biostatistics applications | Bayesian statistics | Clinical Biostatistics | Adaptive biometrics systems

**Session Chair:** Yedidi Narasimha Murty, Electronic Arts, USA

**Session Co-Chair:** Mikhail Moshkov, King Abdullah University of Science and Technology, Saudi Arabia

#### Session Introduction

11:50-12:20 **Title: Review of biometric classification of heart sound for continual user authentication and clinical applications**

Leigh Anne H Clevenger, Pace University, USA

12:20-12:50 **Title: Reliability and policy framing for fisheries statistics in saarc region**

Shaikh Mohammad Bokhtiar, SAARC Agriculture Centre, Bangladesh

#### Lunch Break 12:50-13:40 @ Churchill

13:40-14:10 **Title: Predicting hydrolyzability using logistic regression analyses and regularization techniques**

Tatsuya Takagi, Osaka University, Japan

14:10-14:40 **Title: Predictors of adverse outcomes of pregnancy in south african women**

Zelege Worku, Tshwane University of Technology Business School, South Africa

14:40-15:10 **Title: Date driven method for optimal allocation of gold standard testing under constrained availability**

Tao Liu, Brown University School of Public Health, USA

### Young Researchers Forum

15:10-15:35 **Title: A new model for multivariate current status data**

Adelino Martins, Eduardo Mondlane University, Mozambique

15:35-16:00 **Title: Prevalence and survival determinants of cancer in Nigeria**

Abolade Olawale, Osun State Polytechnic, Nigeria

#### Networking and Refreshment Break 16:00-16:20 @ Foyer

### Panel Discussions

#### Workshop

16:20-17:20 **Title: Bringing your favorite bioinformatics analysis tools to cyverse using docker**

Upendra Kumar Devisetty, University of Arizona, USA

### Awards & Closing Cermony