



SBUR 2021 Afternoon Session

Las Vegas, Nevada

September 11, 2021

Technological Advances toward Precision Medicine

Co-Chaired by Benyi Li, Irfan Asangani, Tanya Stoyanova and Feng Yang

1:00 p.m. **Welcome and Introductory Remarks**

Session Title: Genomics and Transcriptomics

1:05 – 1:25 p.m. **Integrative Molecular Profiling of Benign Prostatic Hyperplasia**

Christopher Barbieri, MD, PhD- Weill Cornell Medicine

1:25- 1:45 p.m. **HOXB13 Regulation of Epigenetic Remodeling and Lipogenic Reprogramming**

Jindan Yu, MD, PhD- Northwestern University

Session Title: Methylomics and Epigenetics

1:45 – 2:05 p.m. **The Landscape of Methylation in Advanced Prostate Cancer**

David Quigley, PhD- University of California San Francisco

2:05– 2:25 p.m. **LSD1: A Therapeutic Target in Castration-Resistant Prostate Cancer**

Changmeng Cai, PhD- University of Massachusetts Boston

2:25 – 2:35 p.m. **Break**

Session Title: Proteomic Determination of Disease State

2:35 – 2:55 p.m. **The Proteogenomics of Localized Prostate Cancer**

Paul Boutros, PhD, MBA- UCLA Institute of Urologic Oncology

2:55– 3:15 p.m. **Interstitial Cystitis Diagnostic Score Development using Crowdsourcing and Machine Learning Algorithm**

Laura Lamb, PhD- Oakland University William Beaumont School of Medicine

Session Title: Inflammation and Immunological Microenvironment

3:15 – 3:35 p.m. **Mechanisms Regulating the CD8 T-cell Response to Urologic Cancers**

Haydn Kissick, PhD- Emory University Winship Cancer Institute

3:35– 3:55 p.m. **Intersections in Cytokine and Hormonal Signaling: Models Connecting Inflammation to LUTS in the Benign Prostate**

Travis Jerde, PhD- Indiana University School of Medicine

4:00 p.m. **Adjourn**