International Conference on

Disease Biomarkers and Precision Medicine

October 22-24, 2018

Venue
DoubleTree by Hilton
Houston Intercontinental Airport
15747 John F. Kennedy Blvd.
Houston, TX 77032 USA

We are excited to use Whova as our event platform. Attendees please download Whova event app.

The event invitation code is: phabe
VENUE FLOOR PLAN

MEETING ROOMS:
Exit Emergency: Exit to West Parking Lot via Double Glass Doors by the Kansas City room and stage across the lot by the field.

HURRICANE OR TORNADO EMERGENCY: Remain in the Ballroom unless otherwise instructed by Security.

COFFEE BREAK: Registrations

PRE-FUNCTION AREA

SEATTLE I

MONTEREY

DALLAS

HOUSTON

DANIELS RESTAURANT

Lobby Bar

MAIN ENTRANCE JFK BLVD

SOUTH PARKING LOT

WEST PARKING LOT

GUEST ROOMS:
In Fire Emergencies, Guests should exit via the closest stairwell and exit the building proceed across the North Parking lot and exit to the side of the fire. Please Bell. All other guest will instruct what to do.

In Fire Emergencies Guests in the Restaurant, Bar and Lobby areas will exit the Main Entry and proceed across the South Lot and wait on Doubletree Place. Security will instruct what to do.
### Keynote Session

**09:00** Registrations and Introduction to DBPM -2018 @ Pre Function Area

**09:30** Development of Automated Companion Diagnostic Immunoassays in Collaboration with Therapeutic Partners  
Philip Hemken, Abbott Diagnostics, IL, USA

**10:15** Involvement of the Bufodienolides in the Diagnosis and Management of Traumatic Brain Injury (TBI) and Post-traumatic Stress Disorder (PTSD)  
Jules Puschett, Texas A&M College of Medicine, TX, USA

**11:00** Coffee Break @ Pre Function Area

**11:15** Inhibiting Multifunctional ERK-Protein Complexes for Cancer Therapy  
Kevin Dalby, The University of Texas at Austin, TX, USA

**12:00** Special Lecture @ Seattle II  
Simultaneously Attenuating Multiple Krebs Cycle Enzymes for Cancer Treatment  
Benyi Li, The University of Kansas Medical Center, KS, USA

**12:30** Lunch @ Monterey

### Session on: Cancer Biomarkers

**13:30** The Gene Master Regulators Approach Provides the Best Targets for the Personalized Cancer Gene Therapy  
Dumitru A Iacobas, Prairie View A&M University, TX, USA

**13:50** Butyrylcholinesterase and BCHE Gene: A Druggable Target and Prognostics Biomarker in Cancer  
Janina Baranowska-Kortylewicz, University of Nebraska Medical Center, NE, USA

**14:10** Molecular Insights into Immune Targets of Patients with Prostate Cancer: Implications for Health Disparities, Metastasis and Chemoresistance  
Tino Sanchez, Loma Linda University School of Medicine, CA, USA

**14:30** MicroRNA Expression Profiling Identifies miRNA-200b as a Tumor Chemosensitizer in Ovarian Cancer  
Francois X. Claret, University of Texas, MD Anderson Cancer Centre, TX, USA
14:50  Phenolic Compounds in Dark Sweet Cherry (*Prunus avium* L.) Help to Prevent Breast Cancer Tumor Growth and Invasion in MDA-MB-453 Cells through Regulation of Mitogen-activated Protein Kinases (MAPK) Signaling Pathway and Induction of Apoptosis
Marjorie Anne Layosa, University of the Philippines Los Banos, Philippines

15:10  CSF3R Mutations are Highly Concomitant with Transcription Factor Genes Abnormalities in Acute Myeloid Leukemia
Dongchu Wang, Beijing Lu Daopei Institute of Hematology, China

15:30  Aurora Kinase A Localises 1 to Mitochondria to Control Organelle Dynamics and Energy Production: Implication for Cancer Cells Overexpressing Aurora-A
Claude Prigent, University of Rennes, France

15:50  Coffee Break @ Pre Function Area

16:05  Translational Research with Nanosecond Pulse Stimulation for Immuno-oncology Applications
Stephen J Beebe, Old Dominion University, VA, USA

16:25  Epigenetic Drivers in Pediatric Medulloblastoma
Jennifer Stripay, St. Jude Children’s Research Hospital, TN, USA

16:45  Radiomic Features of Pretreatment MRI Could Identify T Stage in Patients With Rectal Cancer: Preliminary Findings
Weigang Hu, Fudan University Shanghai Cancer Center, China

17:00-18:00  Welcome Reception & Networking @ Pre Function Area
Session on: Disease Biomarkers  @ Seattle II

Chairs: Mikhail G. Kolonin, University of Texas at Houston, TX, USA  
MinJae Lee, University of Texas McGovern Medical School, Houston, TX, USA

09:30 DISC1 Pathway Rare Variants for Psychiatric Disorders  
Shaolei Teng, Howard University, DC, USA

09:50 Adipose Stromal Cells as a Disease Marker and Therapy Target  
Mikhail G. Kolonin, University of Texas at Houston, TX, USA

10:10 Statistical Methods for Analyzing Longitudinal Biomarker Data with Missing and Censored Values  
MinJae Lee, University of Texas McGovern Medical School, Houston, TX, USA

10:30 Red Cell Distribution Width as a Predictor of Persistent Pulmonary Hypertension of the Newborn  
Sayyed Ourmazd Mohseni, Arizona State University, AZ, USA

10:50 Coffee Break  @ Pre Function Area

11:05 Blood Glycated CD59 (GCD59): A Novel Biomarker for Gestational Diabetes  
Jose Halperin, Brigham and Women’s Hospital, Harvard Medical School, MA, USA

11:25 Identification of Plectin as a Cancer Stem Cell (CSC) Biomarker and Potential Drug Target in Non-small Cell Lung Cancer (NSCLC)  
Gomika Udugamasooriya, University of Houston, TX, USA

11:45 Detection of Disease Markers in Human Breath with Laser Absorption Spectroscopy  
T. Stacewicz, University of Warsaw, Poland

12:05 Diagnostic Evaluation of Various Biomarkers in Non Alcoholic Fatty Liver Disease  
Uma Bhandari, Jamia Hamdard University, India

12:25 Lunch  @ Monterey

Chairs: Judson V. Edwards, Southern Regional Research Center, LA, USA  
Wantao Chen, Ninth People’s Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China

13:30 Computational Approaches to Biomarker Discovery  
Jake Y. Chen, The University of Alabama at Birmingham (UAB), AL, USA
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:50</td>
<td>Intelligent Cellulose-based Protease Sensors &amp; Modulating Materials for Potential Point-of-Care Detection and Treatment of Chronic Wound</td>
<td>Judson V. Edwards, Southern Regional Research Center, LA, USA</td>
</tr>
<tr>
<td>14:10</td>
<td>Type A Aortic Dissection Complicated by Pheochromocytoma</td>
<td>Brianne Runyan, The Jewish Hospital of Cincinnati, OH, USA</td>
</tr>
<tr>
<td>14:30</td>
<td>Usefulness of NT-proBNP as Analytical Marker of Left Ventricular Hypertrophy in Dialytic Patients</td>
<td>Gabriel Ignacio Aranalde, Hospital de Emergencias ‘National University of Rosario, Argentina</td>
</tr>
<tr>
<td>14:50</td>
<td>Placental Biomarkers for the Diagnosis of Fetal Growth Restriction</td>
<td>Irene Martin Del Estal, University in Monterrey, Mexico</td>
</tr>
<tr>
<td>15:10</td>
<td>Analysis of Small Fragment Deletions of the APC Gene in Chinese Patients with Familial Adenomatous Polyposis</td>
<td>Senqing Chen, Jiangsu Cancer Hospital, Jiangsu Institute of Cancer Research, China</td>
</tr>
<tr>
<td>15:30</td>
<td>Bayesian Machine Learning for Neuroimaging Biomarker Detection</td>
<td>Rong Chen, University of Maryland School of Medicine, MD, USA</td>
</tr>
<tr>
<td>15:50</td>
<td>Coffee Break</td>
<td>@ Pre Function Area</td>
</tr>
<tr>
<td>16:05</td>
<td>Protein Tyrosine Kinase 7 Promotes Cancer Stemness in Head and Neck Cancer and Acts as Biomarker</td>
<td>Wantao Chen, Ninth People’s Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China</td>
</tr>
<tr>
<td>16:25</td>
<td>Differences in Immunomodulatory Properties between Venlafaxine and Paroxetine in Patients with Major Depressive Disorder</td>
<td>Chun-Yen Chen, Graduate Institute of Medical Sciences, National Defense Medical Center, Taiwan</td>
</tr>
<tr>
<td>16:45</td>
<td>Myasthenogenic Markers in Different Types of Self-Tolerance Loss in Patients with Myasthenia Gravis</td>
<td>Klimova Elena Mikhailovna, Bozhkov Anatoly Ivanovich and Avdosyev Yuri Vladimirovich, V.T. Zaitsev Institute of General and Emergency Surgery of National Academy of Medical Sciences of Ukraine, Ukraine</td>
</tr>
</tbody>
</table>
Session on: Precision Medicine and Fundamentals of Biomarkers @ Seattle II

Chairs: Qinglong Wu, Baylor College of Medicine & Texas Children’s Hospital, TX, USA
Shi-Yong Sun, Emory University School of Medicine and Winship Cancer Institute, GA, USA

09:30 Precision Diagnosis of Clostridioides difficile Infection Using a Systems-based Approach
Qinglong Wu, Baylor College of Medicine & Texas Children’s Hospital, TX, USA

09:50 Serological Signatures of Clinical Cure Following Successful Treatment with 1 Sodium Stibogluconate in Ethiopian Visceral Leishmaniasis
Endalamaw Gadisa, Armauer Hansen Research Institute, Ethiopia

10:10 Understanding and Overcoming Acquired Resistance to Third Generation EGFR Inhibitors
Shi-Yong Sun, Emory University School of Medicine and Winship Cancer Institute, GA, USA

10:30 Coffee Break @ Pre Function Area

10:45 Precision Magnetic Resonance Imaging
Ponnada Narayana, University of Texas Health Science Center at Houston, TX, USA

11:05 Shrinking the Psoriasis Assessment Gap: Early Gene-Expression Profiling Accurately Predicts Response to Long-Term Treatment
Lewis Elwood Tomalin, Icahn School of Medicine at Mt. Sinai, NY, USA

11:25 Genomic Strategies to Sub-phenotype Patients with Sarcoidosis
Nancy G. Casanova, University of Arizona, AZ, USA

11:45 MicroRNA Expression in Advanced Breast Cancer
Lei Huo, The University of Texas at Houston, TX, USA

12:05 Pharmacogenomic and Pharmacokinetic Determinants of Imatinib Toxicity in Gastrointestinal Stromal Tumor Patients
Xueding Wang, Sun Yat-Sen University, China

12:25 Lunch & Departures @ Monterey