4th Border Biomedical Research Center Symposium
Health Disparities: From Molecules to Disease
April 19-21, 2020

PROGRAM

SUNDAY 19 April 2020

Location: Tomás Rivera Conference Room, Union East Bldg.,
500 W University Ave., UTEP

4:30 – 7:00 pm Registration

Inaugural session

6:00 – 6:20 pm Welcome – Rosa A. Maldonado (Border Biomedical Research Center, Department of Biological Sciences - The University of Texas at El Paso)

Inauguration: Dr. Robert Kirken (Dean, College of Science, BBRC grant PI, University of Texas at El Paso)

6:20 – 7:20 pm Dinner

7:00 – 7:45 pm Elmer Huerta (Director of the Cancer Preventorium, a division of the Washington Cancer Institute at MedStar Washington Hospital Center)

Seminar title: Cancer Prevention at an Urban Hospital: Two sides of a coin

MONDAY 20 APRIL 2020

Location: Tomás Rivera Conference Room

MORNING SESSION

8:00 – 8:30 am Breakfast and Poster Set-up for the Day

Cancer biology
Chair: Dr. Giulio Francia (Associate Professor)

8:30 – 9:25 am. Dong Xiang (Texas Southern University, Chair, Department of Pharmaceutical and Environmental Health Sciences)
Preclinical Pharmacokinetic Studies in Drug Development

Oral presentations to be selected from abstracts:
9:30 – 9:45 am
9:45 – 10:00 am  
10:15 – 10:30 am  
10:30 – 10:45 am  
10:45 - 11:00 am  

Coffee break: 11:00-11:10

**Cancer Health Disparities, community engagement and translational approaches in the border (round table)**

Chair: Bibiana Mancera (Director of community engagement core, BBRC-UTEP) round table

11:10 – 11:30pm  
Salvador Saldivar (Associate Professor-Gynecology Oncology, RGU Cancer Center)  
“Improving Gynecological Cancer treatments: The Importance of academic and clinical collaborations”

11:30 – 11:10 pm.  
Eva Moya (Associate Professor Health Sciences, UTEP)  
“Community Engagement and HPV Cancer Prevention: EdTech-HPV Project”

11:10 – 12:10 pm  
Pat Morales (Co-Executive director of the Cancer and Chronic Disease Consortium)  
“The Fight against cancer: Engaging, navigating, and providing services in an underserved population of the Paso del Norte Region”

12:10 – 12:40 pm.  
Discussion

12:40 -1:40 pm  
Networking Lunch

**AFTERNOON SESSION**

1:45 - 2:40 pm  
Navkiran K. Shokar, M.D., M.P.H (Texas tech University Health Science Center, Center of Emphasis in Cancer)  
“Addressing Latino Cancer Health Disparities: A Population Health Approach”

**Precision Medicine and other approaches to treat cancer**

Chair: Michael J. Kenney (Associate Dean for Research, College of Science) round table

2:40 – 3:05 pm.  
Wendy Bautista  
Patient education impact on Cancer Prevention on the Hispanic population in Washington DC.

3:10 – 3:35 pm  
Lisa Hartman (TTUHSC)  
Integration of Personalized Molecular Targeted Therapy into the Treatment of Refractory Pediatric Cancer

3:30 – 4:50 pm.  
Abraham Aragones (Memorial Sloan Kettering Cancer Center)  
HPV and engaging Latino communities

4:50- 5: 20  
Discussion

Coffee break: 5:20 – 5:30

**Poster session 1, President and Templeton rooms** (Union East Bldg.)

5:30 – 6:45 pm  
Cancer Biology (CB)
TUESDAY 21 APRIL 2020

Location: Tomás Rivera Conference Room, Union East Bldg., 500 W University Ave., UTEP

MORNING SESSION

8:00 – 9:20 am  Breakfast and Poster Set-up for the Day

Rounds table - Basic research in cancer biology

9:25 – 9:50 am  Jianying Zhang (Biological Sciences – UTEP)  
Hallmark of Immune Responses to Multiple Tumor-Associated Antigens (TAAs) in Immunodiagnosis of Liver Cancer and other Solid Tumors

9:50 – 10:15 am  Marc Cox (Dean of School of Pharmacy – UTEP)  
Novel Therapeutic Targets in Hormone-Dependent Cancers

10:15 – 10:40 am  Wen-Yee Lee (Chemistry Depart. - UTEP)  
The application of metabolomics and data mining in cancer diagnosis

10:25 – 10:45 am  Taslim A Al-Hilal (School of Pharmacy, UTEP)  
The Role of a Prion-like Protein Doppel in Cancer Progression and Early Detection.

10:45 – 11:10 am  Discussion

11:10 – 11:40 am  Jorge Cervantes (Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center at El Paso)  
The effect of Metformin on the human macrophage inflammatory response and phagocytosis of Mycobacterium tuberculosis

11:40 -12:45 am  Networking Lunch

12:00 – 12:30 pm  Short talk about cutting edge technology by one Selected Sponsor Company

Plenary session Neuscience  
Chair: Dra. Anita Quintana (Assistant Professor, UTEP)

12:45 – 1:30 am  Bruce Appel (Diane G Wallach Chair of Pediatric Stem Cell Biology Professor and Head, Department of Pediatrics, University of Colorado School of Medicine and Children’s Hospital Colorado)  
“Active Mind, Active Myelin-Mechanisms that Regulate Myelin Plasticity in Response to Brain Activity”

Plenary session Infectious Diseases.  
Chair: Siddhartha Das

1:30 – 2:15pm  Daniel Hoft (Professor, Director, Division of Infectious Diseases, Allergy & Immunology, Saint Louis University School of Medicine)  
"Development of Universal Influenza Vaccines".

2:15 – 2:30 pm  Coffee break
Infectious diseases Health Disparities, community engagement and translational approaches in the border (round table) Chair: Igor C. Almeida (Director biomolecule analysis facility, BBRC-UTEP)

2:30 – 2:55 pm  Rosa A. Maldonado (Associate Professor, UTEP)  
“Chagas disease in El Paso County”

3:55 – 3:20 am  Douglas Watts  
“Viral Vector borne diseases in El Paso County”

3:20 - 3:40 am  Discussion

Plenary session Metabolic Diseases

3:45 – 4:30 pm  Ernesto Nakayasu (Scientist, Biological Sciences Division Pacific Northwest National Laboratory)  
“Characterization of cellular regulatory networks in beta-cell death to identify type 1 diabetes therapeutic targets”

Poster session 2, President and Templeton rooms (Union East Bldg.)

4:35 – 6:00 pm  Infectious diseases  
Neurosciences and Neurological diseases  
Metabolic diseases

6:00 – 6:20 pm  Robert Kirken (BBRC PI, Dean of the College of Science – University of Texas at El Paso).  
Final remarks

6:25 – 7:45 pm  Cocktail farewell reception