

**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 Aragonés (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 Neosciences** 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