

CANCER MOONSHOT RETREAT

Wednesday, September 7, 2022 | 8:30am - 3:00pm

AGENDA

7:30 am	Registration and Breakfast (Denman Room, SU 2.01.28)
8:30 am	WELCOME & MAYS CANCER CENTER REMARKS Ruben A. Mesa, M.D., F.A.C.P. Executive Director, Professor, Department of Medicine, Division of Hematology/Oncology, Mays Cancer Center at UT Health San Antonio
8:40 am	UTSA REMARKS Jaclyn L. Shaw, M.S. Interim Vice President for Research, Economic Development, and Knowledge Enterprise, Associate Vice President for Strategic Research Initiatives and Development, The University of Texas at San Antonio (UTSA)
8:50 am	CANCER DEVELOPMENT AND PROGRESSION PROGRAM PRESENTATIONS <i>Epigenetic Regulation in Normal Hematopoietic Stem Cell Functions and Myeloid Malignancies</i> Feng Chun Yang, M.D., Ph.D. Professor, Cell Systems & Anatomy, Mays Cancer Center at UT Health San Antonio
9:00 am	<i>Thermogenic Adipose Tissue and Cancer Cachexia</i> Maria Gonzalez Porras, Ph.D. Assistant Professor (Jan. 2023), Biomedical Engineering and Chemical Engineering, UTSA
9:10 am	<i>Understanding Androgen Receptor Regulation in Prostate Cancer</i> Elizabeth Wasmuth, Ph.D. Assistant Professor, Biochemistry & Structural Biology, Mays Cancer Center at UT Health San Antonio
9:20 am	<i>Multi-scale Multi-omics Cancer Modeling to Predict Tumor Growth and Cell Migration</i> Yusheng Feng, Ph.D. Professor, Mechanical Engineering, UTSA
9:30 am	<i>Targeting Tumor Evolution</i> Reuben Harris, Ph.D. Professor & Chairman, Biochemistry & Structural Biology, Howard Hughes Medical Institute investigator, Mays Cancer Center at UT Health San Antonio
9:40 am	<i>Computational Modeling and Simulation of Collective Cell Migration</i> Xiaowei Zeng, Ph.D. Associate Professor, Mechanical Engineering, UTSA
9:50 am	Morning Break
10:00 am	POPULATION SCIENCE AND PREVENTION PROGRAM PRESENTATIONS <i>The rise of obesity mediated endometrial cancer in South Texas and the US: Underlying mechanisms of epigenetics and disruption of cell-cell communication</i> Nameer Kirma, Ph.D. Associate Professor, Molecular Medicine, Mays Cancer Center at UT Health San Antonio
10:10 am	<i>Anthropology and Cancer: The Human Experience</i> Jill Fleuriet, Ph.D. Professor, Anthropology and Associate Dean (Honors College and College of Liberal and Fine Arts), UTSA
10:20 am	<i>The Institute for Health Promotion Research: Addressing the South Texas Cancer Burden</i> Rebecca Jones, Ph.D. Assistant Professor, Population Health Sciences, Assistant Director, Community Outreach & Engagement, Mays Cancer Center at UT Health San Antonio
10:30 am	<i>Culturally-Tailored Entertainment-Education for Health Promotion</i> Kim Kline, Ph.D. Professor, Communications, UTSA

10:40 am *Inferring Ancestral Admixture of Hispanic Population in South Texas Using Whole Exome-seq Data*
Yidong Chen, Ph.D.
Professor, Population Health Sciences, Director, Biostatistics and Bioinformatics Shared Resource, Mays Cancer Center at UT Health San Antonio

10:50 am *Building a Healthy Temple Cancer Prevention Program*
Meizi He, Ph.D.
Professor, Public Health, UTSA

EXPERIMENTAL AND DEVELOPMENTAL THERAPEUTICS PROGRAM PRESENTATIONS

11:00 am *Development of Novel Therapeutics for Primary Brain Tumors*
Andrew Brenner, M.D., Ph.D.
Professor, Medicine, Division of Hematology/Oncology, Program Leader, Experimental and Developmental Therapeutics Program, Mays Cancer Center at UT Health San Antonio

11:10 am *A Novel Therapeutic Target for the Treatment of Chemotherapy-Induced Peripheral Neuropathy*
Hyoung-gon Lee, Ph.D.
Associate Professor, Neuroscience, Developmental and Regenerative Biology, UTSA

11:20 am *Connexin Channels and Purinergic Signaling in Breast Cancer Metastasis and Therapeutic Application*
Jean Jiang, Ph.D.
Professor, Biochemistry & Structural Biology, Mays Cancer Center at UT Health San Antonio

11:30 am *Gold Nanoparticles for Improved Cancer Therapies: Radiation Enhancement and Photothermal Heating*
Kathryn (Katie) Mayer, Ph.D.
Associate Professor, Physics and Astronomy, UTSA

11:40 am *Targeting Epigenetic and Genetic Modifiers for Treating Cancers*
Manjeet Rao, Ph.D.
Professor, Cell Systems and Anatomy, Program Leader, Experimental and Developmental Therapeutics Program, Mays Cancer Center at UT Health San Antonio

11:50 am *Optical Tools for Cancer Research: Photoacoustic Tomography and Label-free Biosensing*
Jing Yong Ye, Ph.D.
Professor, Biomedical Engineering and Chemical Engineering, UTSA

12:00 pm *Design, Synthesis and Structure-Activity Relationships of Small Molecule ER- β Agonists for Glioblastoma (GBM) Therapies*
Stanton F. McHardy, Ph.D.
Associate Professor, Chemistry, UTSA | Director, Center for Innovative Drug Discovery

12:10 pm-
1:30 pm **LUNCH/POSTER SESSION** (Denman Room, SU 2.01.28/Foyer)

BREAKOUT SESSIONS

1:30 pm-
2:30 pm **Cancer Development and Progression Program** (Denman Room, SU 2.01.28)

Experimental and Developmental Therapeutics Program (Mesquite Room, SU 2.01.21)

Population Science and Prevention Program (Pecan Room SU 2.01.26)

2:45 pm **POSTER AWARD CEREMONY** (Denman Room, SU 2.01.28)

Ruben A. Mesa, M.D., F.A.C.P.
Executive Director, Professor, Department of Medicine, Division of Hematology/Oncology, Mays Cancer Center at UT Health San Antonio

Robin Leach, Ph.D.
Associate Director, Education, Professor, Cell Systems & Anatomy, Mays Cancer Center at UT Health San Antonio

CLOSING REMARKS

3:00 pm **Ruben A. Mesa, M.D., F.A.C.P.**
Executive Director, Professor, Department of Medicine, Division of Hematology/Oncology, Mays Cancer Center at UT Health San Antonio