

## Thursday, February 4<sup>th</sup>

- 12:00 – 12:40 - **Keynote Lecture**, Introduced by **Becky Cap**, BioBridge Global
- **Rita Barcia**, Sentien Biotechnologies  
*The COVID-19 Pandemic: A Coming of Age for MSC Therapy*
- Session 1** - **Sy Griffey** – Chair
- 12:40 – 1:00 - **David Gius**, UT Health SA  
*SIRT3, Mitochondrial Metabolism, and Oncogenicity*
- 1:00 – 1:15 - **Binita Shrestha**, UTSA  
*Longitudinal Monitoring of Biomaterials In Vivo Using Photoacoustic Imaging*
- 1:15 – 1:35 - **Jennifer Wehmeyer**, BioBridge Global  
*An Alternative to Gamma Irradiation: Terminally Sterilized Amniotic Membrane Tissue Allografts Utilizing Supercritical CO<sub>2</sub>*
- 1:35 – 1:50 - **Tiffani Chance**, USA-ISR  
*Extracellular Vesicles Derived from Cardiosphere-Derived Cells (CDC-EVs) as a Potential Anti-Shock Therapeutic*
- 1:50 – 2:05 - **Alvaro Moreira**, UT Health SA  
*Safety and Efficacy of Cell Therapies in Pediatric Heart Disease: A Systematic Review and Meta-Analysis*
- 2:05 – 2:20 - **Wensheng Zhang**, USAF 59<sup>th</sup> Med Wing  
*Approaches and Perspectives on Mesenchymal Stem Cell-Derived Exosome-Based Regenerative Therapies*
- 2:20 – 2:40 - **Shannon Landon**, UTSA  
*Getting a GRASP on the Dynamics of Peripheral Taste Circuits*
- 2:40 – 3:00 - **Travis Block**, StemBioSys  
*Cell-Derived Substrates Elicit Biologically-Relevant Phenotypes in iPSC-Derived Cardiomyocytes*

**Friday, February 5<sup>th</sup>**

- 12:00 – 12:40 - **Keynote Lecture**, Introduced by **Christi Walter**, UT Health SA
- **Treena Arinzeh**, New Jersey Institute of Technology  
*Functional Biomaterials for Tissue Regeneration*
- Session 2** - **John McCarrey**, UTSA – Chair
- 12:40 – 1:00 - **Anukriti Singh**, UTSA  
*Single-cell Transcriptomic Analysis of Prepubertal Primate Spermatogonial Stem Cells*
- 1:00 – 1:20 - **Erzsi Kokovay**, UT Health SA  
*Low Density Lipoprotein Receptor in Neural Stem Cell Homeostasis and Ischemia Induced Migration*
- 1:20 – 1:40 - **Marzieh Hajiaghamemar**, UTSA  
*Toward Successful Translational Research in Traumatic Brain Injury*
- 1:40 – 1:45 - **John McCarrey**, UTSA  
*Announcing the new UTSA Institute of Regenerative Medicine*
- 1:45 – 2:00 - **Maryanne Herzig**, USA-ISR  
*Efforts to Improve and Accelerate Potency Testing of Mesenchymal Stem Cells*
- 2:00 – 2:20 - **Shamim Mustafa**, UT Health SA  
*Effects of Caffeine on Hyperoxia-Exposed Resident Lung Mesenchymal Stem/Stromal Cells*
- 2:20 – 2:40 - **Nicholas McMahon**, SwRI  
*Novel Stem Cell Expansion System for Regenerative Medicine*
- 2:40 – 3:00 - **Marissa Wechsler**, UTSA  
*Influence of Matrix Stiffness and Estrogen Supplementation on Rat Mesenchymal Stromal Cell Functions*