



List of Poster Presentations

54th meeting of the Texas Society for Microscopy (TSM)
UTSA, San Antonio

Friday, 22nd of February 2019 from 10:40 a.m. - 12:00 p.m. and 1:00 p.m. - 2:30 p.m.

Presenters are required to stand by poster from 10:40 a.m. -12:00 p.m.

| Time | UTSA Student Union (Room: Denman) |
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| 8:00 a.m. - 10:00 a.m. | Poster Setup |
| No. | |
| 1 | <p>Campus to Community: Outdoor Education at the Ceta Canyon Helping the Elementary and Middle School Students in Characterizing Biological Specimens Using Digital Microscopes.</p> <p>Presenter: Chavez Yaneth and Anna Ceniceros West Texas A&M University, Canyon, TX</p> |
| 2 | <p>Cytological Assessment of the Genotoxic Effects of Atrazine based Herbicide on Allium cepa</p> <p>Presenter: Lindsey Vande Streek and Katlyn Maden West Texas A&M University, Canyon, TX</p> |
| 3 | <p>Microscopic Characterization of the Aeroallergen and Reduction in Allergy Index on Using Air Purifiers with Ahpco and Plasma Nano-Technology</p> <p>Presenter: Aubrey Howard West Texas A&M University, Canyon, TX</p> |
| 4 | <p>Refining In Vitro Toxicity Models in Neurotoxicology: Comparing Baseline Characteristics of Neuronal Cell-Types</p> <p>Presenter: Sahar Pradhan Baylor University, Waco, TX</p> |
| 5 | <p>Utilizing Atomic Force Microscopy for Characterizing Cellulose Materials</p> <p>Presenter: Thelma Ameh Baylor University, Waco, TX</p> |
| 6 | <p>How Quantitative Analysis of Nanometer-Sized Structures using Computer Software Can Inform Physicochemical Characterization for Future Research</p> <p>Presenter: Desirae Carrasco Baylor University, Waco, TX</p> |
| 7 | <p>Dysregulation and Morphological Changes of Mitochondria within Lung Cells after the Exposure to Engineered Aluminum Nanoparticles</p> <p>Presenter: Henry Lujan Baylor University, Waco, TX</p> |
| 8 | <p>Identification of Zinc Phases Within Iron Ore</p> <p>Presenter: Michael Gardner The University of Texas at San Antonio, TX</p> |
| 9 | <p>Bimetallic Two-Dimensional Nanoframes for High Activity Oxygen Evolution Electrocatalysts</p> <p>Presenter: Christopher Rhodes Texas State University, San Marcos, TX</p> |

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| 10 | <p align="center">Geometrical Symmetry Loss in Gold Decahedra Particles Analyzed by Quasi-Parallel Precision Electron Diffraction Presenter: Fernando Marques Clemente The University of Texas at San Antonio, TX</p> |
| 11 | <p align="center">Semiconductor Properties in Silver Nanowires Explored by In-Situ Transmission Electron Microscopy Presenter: Oscar Edgar Ochoa The University of Texas at San Antonio, TX</p> |
| 12 | <p align="center">Bimolecular fluorescence complementation to explore Liat1 interactions Presenter: Akshaya Arva Texas Woman's University, Denton, TX</p> |
| 13 | <p align="center">The Effect of UV Radiation on Chromatin Compaction in HeLa Cells, NIH2/4 Cells, and Human Epidermal Melanocytes Presenter: Rituparna Sinha Roy Texas Woman's University, Denton, TX</p> |
| 14 | <p align="center">Nanomaterials of Biomedical Interest Potential Toxicity on Microalgae Presenter: Roberto Vazquez-Muñoz The University of Texas at San Antonio, TX Universidad Nacional Autonoma de Mexico, Mexico</p> |
| 15 | <p align="center">Comparative Study of Stomata from Diverse Plant Lineages Presenter: Amy Jo Hammett Texas Woman's University, Denton, TX</p> |
| 16 | <p align="center">Characterization of Symbiotic Nitrogen Fixation Mutants in <i>Medicago Truncatula</i> using Molecular and Microscopic Tools Presenter: Catalina Pislariu Texas Woman's University, Denton, TX</p> |