## Schedule

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<thead>
<tr>
<th>TIME</th>
<th>GUADELUPE</th>
<th>NECHES</th>
<th>PALO PINTO</th>
<th>PEDERNALES</th>
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<tbody>
<tr>
<td>9:00 AM</td>
<td>Huang</td>
<td>Lin</td>
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<tr>
<td>9:15 AM</td>
<td>Karunaweera</td>
<td>Ridlen</td>
<td>Nimmo</td>
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<td>9:30 AM</td>
<td>Perananthan</td>
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<td>Nasrabadi</td>
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<tr>
<td>9:45 AM</td>
<td>Siriwardane</td>
<td>Munaweera</td>
<td>Dasmahaputra</td>
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<td>Panangala</td>
<td>Basnayake</td>
<td>Mirjalilia</td>
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<td>10:15 AM</td>
<td>Senevirathne</td>
<td>Perera</td>
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<td>10:30 AM</td>
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<td>Oyugi</td>
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<td>10:45 AM</td>
<td>Abevkoon</td>
<td>Jayaratna</td>
<td>Wang</td>
<td>Casteneda</td>
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<td>11:00 AM</td>
<td>Mahmood</td>
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<td>Bhawal</td>
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<td>11:15 AM</td>
<td>Nguyen</td>
<td>Adiraju</td>
<td>Appulage</td>
<td>Fiala</td>
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<td>Pathiranage</td>
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<td>2:00 PM</td>
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<td>4:30 PM</td>
<td>TOUR and PLANETARIUM SHOW Followed by AWARDS CEREMONY</td>
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<td>Morphology Control and Hydrogen Separations of Polymer Blend Membranes Consisting of 6FDA-DAM and Polybenzimidazole</td>
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<td>Small Molecule Compatabilized High Performance Immiscible Polymer Blend Membranes For Gas Separations</td>
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<td>Supercapacitor electrode material from a copolymer, poly (acrylonitrile-co- vinylimidazole) with incorporation of ammonium bicarbonate as a porogen</td>
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<td>Self-Assembly of Rod-Coil Block Co-Polymers</td>
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<td>Carbon nanofiber-ZnO nanoparticle composite as hybrid electrode for supercapacitors</td>
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<td>Synthesis and characterization of histone deacetylase inhibitor conjugated pro-drug micelles viaan Amphiphilic polycaprolactone block copolymer design</td>
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<td>High surface area carbon nanofiber electrodes derived from an in-situ porogen containing copolymer: Poly (acrylonitrile-co-itaconic acid)</td>
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<td>Automobile grade carbon fiber from melt processable acrylonitrile-co-1-vinyl imidazole copolymer</td>
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<td>Gas Separation Performance of Mixed Matrix Membranes (MMMs) Based on Immiscible Blends of High Performance Polymers Compatibilized by Colloidal Zeolitic Imidazolate Framework (ZIF)</td>
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<td>Synthesis and characterization of side-chain thermotropic liquid crystalline block and random copolymers containing regioregular poly (3-hexylthiophene)</td>
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<td>Ionic liquid binary mixtures for wide temperature and high performance supercapacitor applications</td>
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**Guadalupe PM- Organic**

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<td>Synthetic Studies Toward the Total Synthesis of Nagelamide C</td>
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<td>Chiral Capped Porphyrins with Chiral Centers Above the Porphyrin Plane For Chiral Recognition SStudies</td>
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<td>Corannulene-Based Porous Organic Polymers</td>
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<td>Syntheses of chemical cross linkers utilized on peptides for the identification of protein-protein interactions and their structures</td>
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<td>approach to develop hard-coatings</td>
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<td>of Osteonecrosis using Multipath Liquid Chromatography-Mass Spectrometry</td>
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<td>for Minimizing Serum Protein Adsorption</td>
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<td>Profiling reactive arginine residues by amino acid specific chemical</td>
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<td>Analysis of Natural Gas in Drinking Water and Lithium Ion Battery</td>
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<td>The Application of GC-MS, MPLC-HRMS, ICP-QES, IC, and TOC/TN Analysis</td>
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<td>on Wastewater from Conventional and Unconventional Drilling Operations</td>
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### PEDERNALES AM - Biochemistry

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<td>Mecahnistic Studies and Kinetics on $F_{420}$H$_2$: NADP$^+$ Oxidoreductase from <em>Archeoglobus fulgidus</em></td>
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<td>Renal Clearance and Degradation of Glutathione-coated Copper Nanoparticles</td>
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<td>Investigating the role of the conserved His40 residue within the active site of the $F_{420}$-Cofactor Dependent Glucose-6-phosphate Dehydrogenase from <em>Mycobacteria tuberculosis</em></td>
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<td>Discovery of small molecule inhibitor of transcription factor FOXC2</td>
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<td>Endocrine disruption and regulation of breast-cancer associated gene, HOXB9</td>
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### PEDERNALES - Undergraduates

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<td>Utilization of Amino Acids in Concentrated Acid Hydrolysis of Biomass</td>
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<td>Synthesis of holmium metal-organic cubes for enhanced cancer radiotherapy</td>
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<td>Protein Quantitation in Urine and Water Mediums through Mass Spectrometry</td>
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<td>Synthesis of 5-Deazariboflavin (Fo) and derivatives</td>
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<td>Synthesis and Investigation of the Spectroscopic Properties of Various Triazenes</td>
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<td>Tubular Polymer Membranes for Gas Separations</td>
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<td>Luminescent pyrimidine and pyrazolate supported silver(I) complexes</td>
<td>Miller</td>
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<td>Novel Mixed Matrix Membranes (MMMs) Based on Immiscible Polymer Blends Compatibilized by Metal Organic Frameworks for Gas Separation at High Temperature and High Pressure</td>
<td>Moreno</td>
<td>UTD</td>
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<td>Electrospun Poly(acrylonitrile-co-itaconic acid) as porous carbon precursor for high performance supercapacitor</td>
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<td>The development of autophagy-inducing small molecules for the treatment of cancer</td>
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<td>Investigations into composition of butter from grass-fed cows versus corn-fed cows</td>
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<tr>
<td>4:30 PM</td>
<td>TOUR and PLANETARIUM SHOW followed by AWARDS CEREMONY</td>
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<td>Wrinkled Periodic Mesoporous Organosilica with Biphenyl for Hydrophobic Drug Recovery</td>
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<td>Scorpionates and Their Applications in Cyclopropenation</td>
<td>Ridlen</td>
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<td>9:30 AM</td>
<td>Preparation of Mesoporous Acid Catalysts from Cornstarch for Biodiesel Synthesis</td>
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<td>Nitric Oxide and cisplatin releasing wrinkle amine mesoporous silica nanoparticles for treatment of non-small cell lung carcinoma</td>
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<td>Novel Zeolitic Imidazolate Framework (ZIF) for Selective CO₂ capture</td>
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<td>Ruthenium oxide nanoribbons-carbon nanotube composite electrode for supercapcitors</td>
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<td>10:45 AM</td>
<td>Tris(pyrazolyl)borate silver(I) complexes</td>
<td>Jayaratna</td>
<td>UTA</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Incorporation of Titanium into the Framework of Hierarchical Wrinkled Mesoporous Silica Nanoparticle</td>
<td>Wang</td>
<td>UTD</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>Coinage metal complexes of amido ligand with bis (N-heterocyclic carbenes)</td>
<td>Adiraju</td>
<td>UTA</td>
</tr>
</tbody>
</table>

4:30 PM TOUR and PLANETARIUM SHOW followed by AWARDS CEREMONY