UNDERGRADUATE RESEARCH POSTER EXHIBIT

Reading Room, Houston Hall, 3417 Spruce Street
10:00am-11:00am
### Presenters & Projects

*Click the name of the presenter to learn more about their project.*

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zion Abebe</td>
<td>The Uses and Applications of the Area Deprivation Index</td>
</tr>
<tr>
<td>Amelia Becerra</td>
<td>Investigating Biomarkers of the Gut-Brain Axis and Children's Mental Health in a Post-COVID-19 Urban Clinic</td>
</tr>
<tr>
<td>Alondra Betancourt</td>
<td>Divisions and Decisions: The Democratic Unionist Party</td>
</tr>
<tr>
<td>Glynn Boltman</td>
<td>Mapping Early Modern India</td>
</tr>
<tr>
<td>Meheer Commuri</td>
<td>Characterizing The Accretion Behavior Of AB Aurigae, A Potential Young Planet Host Star</td>
</tr>
<tr>
<td>Edward Lopez Velazquez</td>
<td>Tiger Widows in the Soundarbans: Gender, Conservation, and Culture</td>
</tr>
<tr>
<td>Mia McElhatton</td>
<td>FLASH Proton Irradiation Prevents Salivary Gland Dysfunction and Restores Aquaporin-5 Expression in Mice</td>
</tr>
<tr>
<td>George Morcos</td>
<td>Correlating the Effect of the Size and Location of TBI Induced Lesions on the Likelihood of Developing Epilepsy through Functional Connectivity Mapping</td>
</tr>
<tr>
<td>Shivek Narang</td>
<td>Racialized Perceptions of Motherhood: the Pervasiveness of Implicit Biases in Race-Conscious Biomedical Research</td>
</tr>
<tr>
<td>Elizabeth Ni</td>
<td>Synthesis of a Novel Chelating Hemicryptophane for Stabilization of Cu(I)</td>
</tr>
</tbody>
</table>
Yash Pahwa  
The Effect of Chronic Cannabidiol Administration on Anxiety-Like Behavior in Adolescent Mice

Ronit Patel  
Development of a 3-D Microtissue Model to Study Neuroinflammatory Responses

Talyah Pierce  
Beyond the Clean-Up: An Analysis of the Relationship Between Litter and Gun Violence in Philadelphia

Sphia Sadek  
Developing Machine Learning Algorithm to Improve Kidney Transplantation Matching

Samantha Salcedo Martinez  
Uplifting Historically Marginalized Adults under G3’s Financial Aid Program

Xoshill Saldana  
Using LACV to Understand Antiviral Gene Expression in Cortical Neurons and Neonatal Mice Brains

Helena Saven  
Seeing Eye to Eye: The Relationship between Reciprocal Eye Gaze and Callous-Unemotional Traits in Young Children

Leo Solga  
Local Courts - Appeals, Wealth, and Density

Eric Tal Myzelev  
Physics-Informed Neural Networks for Tracking the Hemodynamics of Dissected Aorta

Timethius Terrell  
Restricted Discourse: The Social Lives of Queer Thai University Students

Hertha Torre Gallego  
Realities of Abortion Reform in Argentina

Irene Woo  
Analyzing Traffic-Related Air Pollution Exposure in the Philadelphia Area