

2025 Student Research Symposium



GSA Poster Competition 2

Tuesday, April 22, 1-3pm, OSL Area, Skeen Library

SRS Number:	Project Title:	Presenter(s):
SRS2025-019	Taxidermy and Biomimicry in Drone Development	Darion Vosbein
SRS2025-022	Design of a Multi-Modal Coincidence Radiation Spectroscopy System	Jacob Sandusky
SRS2025-051	CFD Analysis and Design Optimization of Dandelion-Inspired Flying Sensors for Remote Sensing in Inaccessible Environments	Gifty Quayson and Matteo Orlando
SRS2025-053	Nanostructures and Mechano-Optoelectronic Properties of Air-brushed Poly(3-hexylthiophene)-based Thin Films	Cason Jones
SRS2025-062	Autonomous Drone-Robot Implementation for Mine Evacuation and Rescue	Narges Bagheri
SRS2025-077	Sustainable, Portable, Solar-Powered Bio-Inspired Drone Vertiport System for Orphaned Well Exploration	Fahad Mannan
SRS2025-084	Adaptive Deep Learning for Cancer Classification: Investigating Sequential Training and Transfer Learning on RNA-Seq Data	Mohammad Shihab Uddin
SRS2025-087	The Interplay of XRN2 and DDX23 in Preventing R-loop-induced Genomic Instability	Rana Biswas

SRS Number:	Project Title:	Presenter(s):
SRS2025-090	Implementation of a Pretrained Convolutional Neural Network, MobileNetV2, to predict the Degree of fracturing in rocks masses	Alejandro Montiel
SRS2025-091	Lightweight Identity-Based Cryptographic Framework for Secure Wireless Sensor Networks	Preston Kite
SRS2025-093	Development of Permanent Magnet Spherical Motor for Robotic Shoulders	Jakobe Ochoa
SRS2025-096	A Physical Review of Soft Robotic Pneumatic Artificial Muscles	Matthew Tyrrell
SRS2025-097	Isolation and Characterization of Novel Pseudomonas Phages For Use in Phage Therapy	Aaron Ortiz
SRS2025-099	Exploring Shock Wave Boundary Layer Interactions in Supersonic Autonomous Drones for Formation Flight	Darien Williams
SRS2025-100	Separating the Inseparable: Kinematic Recoil as a Separation Method for Identical Isotopes and the Production of Fluorine-18	Mariana Baca