**4th Chemistry/Biochemistry Graduate Research Day – 2021**

**Poster Presenters**

***Poster Session I: 2:00 - 3:00 p.m.***

1. **Sara Ansteatt**:

“Strongly Coupled BODIPY Dyads for Solar Energy Conversion”

1. **Lance Dockery**:

"Dendronized gold nanoparticles for targeted and controlled cancer therapy"

1. **Mark Gabriana**:

“Investigating HpNFeoB NTPase Activity”

1. **Joy Thames/ Charles Waters/Christiana Kutz**:

"Design, Synthesis, and Biological Evaluation of Fleximer Nucleoside Analogues"

1. **Shreyasi Sengupta**:

"InSe 2D material: Synthesis, Characterization and Environmental Impact "

1. **Monia Kabandana**:

“A Modular Toolkit to Fabricate Microfluidic Devices for 3D Cell Culture and Near Real-time Measurements”

1. **Daniel Kazal**:

“Acoustic Steering Using Thermally Induced Optical Reflection of Sound (THORS)”

1. **Connor Riahin**:

"Expanding the utility and range of quantum and polymer dots for multiplexed super resolution fluorescence imaging in plants”

1. **Amanda Belunis**:

"Method Development for the Detection of Per- and Polyfluoroalkyl Substances (PFAS) using Solid Phase Extraction and LC-MS/MS"

***Poster Session II: 3:00 - 4:00 p.m.***

1. **Ryan Grant**:

“Solvatochromic Dyes as Protein Crosslinkers"

1. **Xinmei Dong**:

"Structural Characterization and Biochemical Studies of Human Immunodeficiency Virus Spliced RNAs"

1. **Tohid Baradaran Kayyal**:

“Multifunctional Nanocarriers for Cancer Therapy using Dendronized Gold Nanorattles "

1. **Mona Layegh**:

"First-principles insights into the chemical manipulation of 3D solids to create new 2D materials”

1. **Daniel Pierce**:

"Chemiluminescence Induced Plasmonic Current (CIPC)"

1. **Zach Nichols**:

“Modified Microplates for Faster Sample Preparation: Lysing Pathogens with Microwave Metasurfaces”

1. **Ciara Pitman**

"Applications for Molecular Ionization Desorption Analysis Source (MIDAS) with Mass Spectrometry"

1. **Daniel Morgan:**

“Cofacial-Locked Hydroporphyrin Dyads for Excitonic Coupling and Reaction Center Mimicry”

1. **Laura Kesner**:

“Measurement of nanoparticle-membrane interactions via fluorescence imaging microscopy and spectroscopy”