

**Senior Thesis Presentation  
Department of Chemistry  
New Mexico Tech**

**Friday, November 19, 2021, 12.10-1.00 PM (MST)**

**Zoom Link**

<https://zoom.us/j/93622297036>

Meeting ID: 936 2229 7036

**Note:** Presentation will be projected on Lopez 106 screen, interested faculty members and students are welcome to convene in Lopez 106.

**“Reversible O<sub>2</sub> Chemisorption by Triphenylantimony-Based Metal-Organic Frameworks”**

**Fillipp Edvard Salvador  
Advisor: Dr. Wenyang Gao**

**“Concurrent Depletion of XRN2 and Pol  $\theta$  Enhances Replication Stress and DNA Damage”**

**Alyssa Neal  
Advisor: Dr. Praveen Patidar**

**“Charge Decoration on Organic Cages to Access Novel Porous Liquids”**

**James Ruff  
Advisor: Dr. Wenyang Gao**

**“Ocean Fertilization by Airborne Fly Ash: The Role of Engineered Nanoparticles”**

**Omar Ordonez  
Advisor: Dr. Gayan Rubasinghege**