

## Announcement of the 2024-2025 Undergraduate Student Research Grant Awards:

Our mission was to review all submitted applications, grade them on the quality of the request writing, and to award significant grants. The maximum amount of any grant is \$750. Last year the RAS Grants Committee awarded a total of \$4,762 to nine applicants. This year \$5,750 was awarded for fifteen research projects.

First place: **Eva Reilly**, *Transformation and Expression of Diadenosine Polyphosphatases from Mycobacterium leprae*, Award: \$750 plus \$50 unrestricted to the student. Sponsor: Dr. Suzanne O'Handley.

**Emma Lenchenkova**, *Family History of Alzheimer's Disease and Biobehavioral Responses in Young Adults*, Award: \$600. Sponsor: Dr. Elena Fedorovskaya. This award includes the Life Sciences Section Merit Award.

**Emma Thompson**, *Influence of Rising Temperatures and Infection on Salamander Microbial Composition*, Award: \$600. Sponsor: Dr. Elle Barnes.

**Delila MacLeod**, *Characterization of the Nudix Diadenosine Polyphosphatases from Mycobacterium tuberculosis*, Award: \$600. Sponsor: Dr. Suzanne O'Handley.

**Mia Kushner**, *Bacterial Extracellular Vesicles as a Diagnostic Tool for Sepsis*, Award: \$500. Sponsor: Dr. Lea Vacca Michel.

**Catherine Cullinane**, *Phenotypic Studies of a Phosphoglycolate Phosphatase in Staphylococcus aureus*, Award: \$500. Sponsor: Dr. Suzanne O'Handley.

**Nguyen Minh Khoi Tran**, *Photochemistry of Tetrabromopyrrole in water*, Award: \$300. Sponsor: Dr. Nicholas Pflug.

**Gail M. Hooke**, *Polybutylene Succinate Copolyesters with Tunable Biodegradability*, Award: \$300. Sponsor: Dr. Massoud J. Miri.

**Alex Szczepankiewicz**, *Haloperoxidase Biomimicry Toward the Generation of Electrophilic Species Utilizing Xerogel-Based Transition Metal Catalysts*, Award: \$250. Sponsor: Dr. Corey A. Damon.

**Jaclyn Conley**, *Targeted Bacteriochlorin Dyes for Photodynamic Therapy of Breast Cancer*, Award: \$250. Sponsor: Dr. Hans Schmitthenner.

**Alana Modugno**, *Benthic Diatom Community Dynamics in Seneca-Keuka Lake Watershed*, Award: \$250. Sponsor: Gylla Macgregor.

**Gabriella Redman**, *Dual Modal Targeted Probes for Fluorescent Imaging & Photodynamic Therapy of Breast Cancer*, Award: \$200. Sponsor: Dr. Hans Schmitthenner.

**David Lusignan**, *Ammonia Capture and Storage Using Dendrimer-Impregnated Metal-Organic Frameworks*, Award: \$200. Sponsor: Dr. Jian Liu.

**Abigail Garvey**, *Cellular Role of par-1 in the Development of the Caenorhabditis elegans Male Tail*, Award: \$200. Sponsor: Dr. Daryl Hurd.

**Clare vanLieshout**, *Impact of habitat fragmentation on the effective population size of Eastern redback salamanders, Plethodon cinereus*, Award: \$200. Sponsor: Dr. William J. Edwards.

The money for the grants this year was from the Katherine H. Jensen Memorial Research Grant Fund, the Thomas F. & Annie A. and Grace Murray Memorial Research Grant Funds, and the Student Grants Endowment Fund, with the addition of \$250 from Life Sciences Section, and \$1,000 in member donations.