

# Graduate Student Association

## GRADUATE RESEARCH AWARD RECIPIENTS 2021 - 2022



**Maureen Casaus**  
*Master's Student*  
*Geology*  
*College of Natural Science and Mathematics*  
*Research Advisor: Dr. Timothy Fisher*  
**Award amount: \$2,000**  
***Geomorphic and Chronologic Assessment of  
Glacial Lake Agassiz Strandlines  
in Polk County, Minnesota***



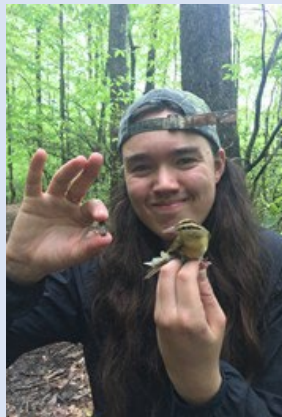
**Sukanya Chakravarty**  
*Doctoral Student*  
*Medical Microbiology and Immunology*  
*College of Medicine and Life Sciences*  
*Research Advisor: Dr. Saurabh Chattopadhyay*  
**Award amount: \$2,185**  
***Understanding the Novel  
Anti-Inflammatory Role  
of IRF3 in Respiratory Virus Infections  
and Pathogenesis***



**Micah Garcia**  
*Doctoral Student*  
*Exercise Science*  
*College of Health and Human Services*  
*Research Advisor: Dr. David Bazett-Jones*  
**Award amount: \$1,900**  
***Cadence Manipulation in  
Adolescent Long-Distance Runners***



**Vickie Dugat**  
*Doctoral Student*  
*Health Education*  
*College of Health and Human Services*  
*Research Advisor: Dr. Joseph Dake*  
**Award amount: \$2,000**  
***The Role of Stress and Discrimination on  
Exclusive Breastfeeding Duration***

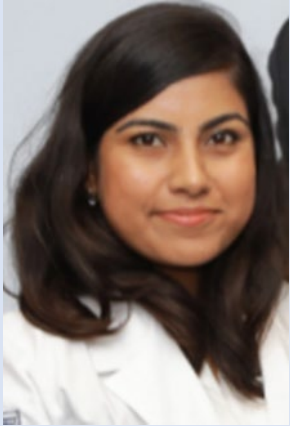


**Silas Fischer**  
*Doctoral Student*  
*Ecology*  
*College of Natural Science and Mathematics*  
*Research Advisor: Dr. Henry Streby*  
**Award amount: \$1,900**  
***Comparing Stress and Body Condition  
Between Drought-Stressed and  
Water-Supplemented Desert Songbirds***

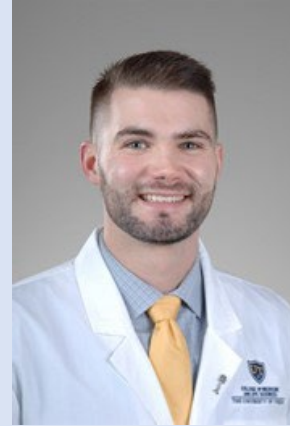


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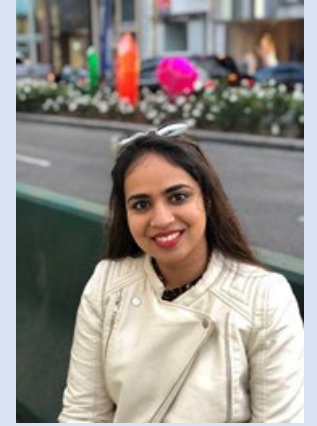


**Iluja Gautam**  
*Doctoral Student*  
*Medical Microbiology and Immunology*  
*College of Medicine and Life Sciences*  
Research Advisor: Dr. Randall Worth  
**Award amount: \$1,970**  
***Role of Platelets in Host Defense***  
***Against Respiratory Paramyxovirus Infection***



**Nicholas Henkel**  
*Doctoral Student*  
*Biomedical Sciences*  
*College of Medicine and Life Sciences*  
Research Advisor: Dr. Robert McCullumsmith  
**Award amount: \$1,907**  
***AMPK Localization, Expression,***  
***and Activity in Alzheimer's Disease***

**Navdeep Kaur**  
*Doctoral Student*  
*Chemistry*  
*College of Natural Science and Mathematics*  
Research Advisor: Dr. Wei Li  
**Award amount: \$2,000**  
***Concise Synthesis of Plavix (clopidogrel)***  
***Variants for Patients Lacking Metabolizers***



**Paige Madden**  
*Master's Student*  
*Biology*

*College of Natural Science and Mathematics*  
Research Advisor: Dr. Jeanine Refsnider-Streby

**Award amount: \$1,985**  
***Patterns of Paternity and Drivers of***  
***Genetic Diversity in the Endangered***  
***Spotted Turtle (Clemmys guttata)***



**Fathima Dhillani Mohammed Faleel**  
*Doctoral Student*  
*Molecular Medicine*  
*College of Medicine and Life Sciences*  
Research Advisor: Dr. David Kennedy  
**Award amount: \$2,000**  
***Understanding the Detailed Molecular***  
***Mechanism of Arachidonic Acid Metabolite***  
***20-HETE and Na<sup>+</sup>/K<sup>+</sup>-ATPase***  
***Interaction by In-Silico Method***

