



## 2021 Student Scholarship Expo Award Winners

### College of Liberal Arts and Sciences

#### ***The College of Liberal Arts and Sciences Award in the Social Sciences for an Undergraduate***

Alec Ducham

*I'm Supposed to Know This: Investigation into the Effects of Motivation to Overestimate on the Dunning-Kruger Effect*

Mentors: Dr. Tony Hermann and Dr. Lane Beckes, Psychology

#### ***The College of Liberal Arts and Sciences Award in the Natural Sciences for a Graduate Student***

Kiernan Robinson

*Influence of Food Resource Quality on Trematode Parasitism in Larval Frogs*

Mentor: Dr. John Marino, Biology

#### ***The College of Liberal Arts and Sciences Award in the Natural Sciences for an Undergraduate***

Gia-Maria Calbaza and Dan Egan

*Staphylococcus aureus Vaccine Testing in vivo*

Mentor: Ted Fleming, Biology

#### ***The College of Liberal Arts and Sciences Award in Computer Science and Mathematical Sciences for a Graduate student***

Nahed Abdelgaber

*A Hybrid, Quantum Deep Neural Network Architecture and its Application to the Question Answering Selection Problem*

Mentor: Dr. Christos Nikolopoulos, Computer Science and Information Systems

#### ***The College of Liberal Arts and Sciences Award in Computer Science and Mathematical Sciences for an Undergraduate student***

Daniel Ferenc, Matthew Gaby, Paris Geis, Alec Hartman, Jackson Smith, Evan Stuit, Ryan Weil

*Yolo Seals*

Mentor: Dr. Samuel Hawkins, Computer Science and Information Systems

#### ***The College of Liberal Arts and Sciences Award in the Humanities for an Undergraduate***

Giuliana Piccione

*Divine Presence in Nature in the Poetry of William Wordsworth and the Fiber Art of Han Cao*

Mentor: Dr. Rob Prescott, English

**Caterpillar College of Engineering and Technology**

***The Caterpillar College of Engineering Award in Mechanical Engineering for an Undergraduate***

Alexander Wolosz

*Synthesis and Characterization of SnO<sub>2</sub> Semiconductor Nanoparticles: Effect of SnCl<sub>2</sub> Concentration during Synthesis on the Characteristics*

Mentors: Dr. Saeid Vafaei, Mechanical Engineering, and Dr. Udo Schnupf, Chemistry and Biochemistry

***The Drs. Prasad and Sunita Shastry Award for Excellence in Electrical and Computer Engineering***

Ryan Russell and Jakob Harig

*Synchronization of Oscillators Using Reinforcement Learning*

Mentor: Dr. Jing Wang, Electrical and Computer Engineering

***The Caterpillar College of Engineering Award in Electrical and Computer Engineering for an Undergraduate Student***

Joshua Robinson, Thomas Radomski, and Robert Hofmann

*Mining Haul Truck Lane Learning and Risk Assessment*

Mentors: Dr. Yufeng Lu and Dr. Jing Wang, Electrical & Computer Engineering

**Foster College of Business**

***The Foster College of Business Award for a Graduate Student***

Abigail Ihrke

*Carbon Insetting: Internalizing Emissions Reductions*

Mentor: Dr. Eden Blair, Entrepreneurship

***The Foster College of Business Award for an Undergraduate***

Matthew Sale

*Stock Analysis, Using Value Metrics*

Mentor: Dr. Amit Sinha, Finance & Quantitative Methods

## College of Education and Health Sciences

### ***The College of Education and Health Sciences Award in Health Professions for a Graduate Student***

Kathleen Glass

*Team Discharge: Improving Emergency Department Discharge Process*

Mentor: Dr. Karin Smith, Nursing

### ***The College of Education and Health Sciences Award in Health Professions for an Undergraduate***

Christopher Walther

*Exercise Intensity and Type of Activity Effects Landing Mechanics and Increases ACL Injury Risk*

Mentor: Dr. David Dominguese, Physical Therapy and Health Science

### ***The College of Education and Health Sciences Award in Family and Consumer Science for an Undergraduate***

Amy Martin

*The Effect of a Traffic Light Labeling Intervention on Amount of Food Served in a College Dining Hall*

Mentor: Dr. Rachel Vollmer, Family and Consumer Sciences

## Slane College of Communications and Fine Arts

### ***The Slane College of Communications and Fine Arts Award in Communications for an Undergraduate***

Colleen Flynn

*The Dutch Creek Incident and HRO Principles*

Mentor: Dr. Elena Gabor, Communication

### ***The Slane College of Communications and Fine Arts Award in Fine Arts for a Graduate Student***

Lisa Raabe

*Enshrine Enshroud*

Mentor: Heather Brammeier, Painting

## Masi International Scholars Award

### ***The Masi International Scholars Award***

Allison Lampert

*R2P in Syria: A humanitarian success or failure?*

Mentor: Dr. Charles Bukowski, International Studies

## **The Susan Brill de Ramirez and Antonio Ramirez Barron Provost Award**

### ***The Susan Brill de Ramirez and Antonio Ramirez Barron Provost Award for a Graduate Student***

Megan LeGuillon and Casey Brunton

*Reliability of tandem gait as an outcome measure in healthy participants*

Mentor: Dr. Andrew Strubhar, Physical Therapy and Health Science

### ***The Susan Brill de Ramirez and Antonio Ramirez Barron Provost Award for an Undergraduate***

Kaylee McKinney, Alexis Levato, Abby Green, and Tatum Koenig

*Evaluation of a meal planning program for employees of a social service organization*

Mentor: Dr. Teresa Drake, Family and Consumer Sciences

## **President's Award**

### ***The President's Award for a Graduate Student***

Brianna Heyer, Adam Wade, Alec Dutko, Melissa Adrian, and Kelly Hernandez

*Ultrasound Imaging of the TMJ: Exploring Relationship to Therapeutic Interventions*

Mentors: Dr. Breanna Reynolds and Dr. David Dominguese, Physical Therapy and Health Science

### ***The President's Award for an Undergraduate***

Kayla Lippincott and Zaman Shah

*Copper catalyzed alkyne-azide cycloaddition reactions utilizing copper oxides trapped within a polydimethylsiloxane matrix*

Mentors: Dr. Dean Campbell and Dr. Arijit Sengupta, Chemistry and Biochemistry