



Honors Student Enrichment Grant

[2021-22](#) [2020-21](#) [2019-20](#) [2018-19](#)

[2021-22](#)

Darcy Bonds, Horticulture - Attending ASABE annual conference in Houston, TX - *Faculty mentor: Jacek Koziel*, Project name: Can soil smell tell us more soil condition and soil health-promoting practices?

Jazmine Edwards, Event Management - Attending Tourism, Hospitality, and Event Conferences for Researchers, Educators, Practitioners, and Students - *Faculty mentor: SoJung Lee*, Project name: Club members' Value Co-creation: Group Identity, Psychological Ownership, and Satisfaction

Julianna Hernandez, Animal Exology - Attending National Conference on Undergraduate Research - *Faculty mentor: Amy Toth*, Project name: How Does Octopamine Affect Aggression in the Social Wasp *Polistes metricus*?

Jace Leininger, Kinesiology and Health - Attending the North American Society for the Psychology of Sport and Physical Activity conference - *Faculty mentor: Spyridoula Vazou*, Project name: Childhood Physical Activity Experiences and Affective Attitudes During Adulthood

Ben Litterer, Data Science - Travel for 2022 Biophysical Society Annual Meeting - *Faculty mentor: Robert Jernigan*, Project name: An Improved Computational Approach to Predict HIV Protein Functions

Benji Pellizzari, Business Analytics - Attending Tourism, Hospitality, and Event Conferences for Researchers, Educators, Practitioners, and Students - *Faculty mentor: SoJung Lee*, Project name: Club members' Value Co-creation: Group Identity, Psychological Ownership, and Satisfaction

Danielle Robinson, English - Attending National Conference on Undergraduate Research - *Faculty mentor: Linda Shenk*, Project name: Co-Creating Knowledge: How Narrative Gaps Give Space For Collaborative Play

Isaiah Sents, Apparel, Merchandising & Design - Fees associated with the publication of his co-authored article in the journal FASHION THEORY - *Faculty mentor: Kelly Reddy-Best*, Project name: Des Moines Gay Men's Chorus, Queer Spaces, Collective Styles, and Activist Dress, 1984-Present

Henry Thomas, Chemistry - Attending National Conference on Undergraduate Research - *Faculty mentor: Wenyu Huang*, Project name: Method Optimization for the Synthesis of Novel Covalent Organic Frameworks

2020-21

Darcy Bonds, Horticulture - Participation in the National Conference on Undergraduate Research - *Faculty mentor: Jacek Koziel*; Project name: Improving the sustainability of animal and crop production agriculture: evaluation of biochar-swine manure mixture impact on soil nutrient availability and plant uptake

William Crow, Biology - Participation in the National Conference on Undergraduate Research - *Faculty mentor: Clark Coffman*; Project name: Creating a transgenic drosophila line expressing mRFPruby in primordial germ cells

Elizabeth Cuvelier, Elementary Education - Participation in the National Conference on Undergraduate Research - *Faculty mentor: Jacob Meyer*; Project name: Mental health among college athletes

Haley Dostalík, Genetics - Participation in the National Conference on Undergraduate Research - *Faculty mentor: Caroline Lawrence-Dill*; Project name: Functional annotation of the grape genome

Jacob Gasper, Architecture - Participation in the National Conference on Undergraduate Research - *Faculty mentor: Shelby Doyle*; Project name: Architectural clay formworks

2019-20

Elea Kaptain, English Education / Spanish Education - Presentation at the International Writing Center Association Conference, Columbus, OH, October 2019 - *Project Title: Tutorial Alliance and Session Success with Non-native English Speakers in the Writing and Media Center*; *Project advisor: Joseph Cheatle*

Nikita Kozak, Mechanical Engineering / Mathematics - Presented at the National Collegiate Research Conference, Boston, MA, January 2020 - *Project Title: Application of Machine Learning, DEA and a Recommendation System for Intermittent Material Planning*; *Project advisor: Meltem Denizel-Karakaya*

Benjamin Litterer, Data Science - Presented at the Biophysical Society Annual Meeting, San Diego, CA, February 2020 - *Project Title: Using Sequence Structure Information to Annotate Gene and Protein Function*; *Project advisor: Robert Jernigan*

Abigayle Moser, Aerospace Engineering - Presentation at the American Physical Society Division of Fluid Dynamics in Seattle, WA, November 2019 - *Project Title: Effect of Complex Terrains on Wind Energy Production*; *Project advisor: Luciano Castillo, Purdue University*

IOWA STATE UNIVERSITY

Honors Program

David Reynolds, Mechanical Engineering - Presented at the National Collegiate Research Conference, Boston, MA, January 2020 - *Project Title:* Maternally Administered Naltrexone and Its Major Active Metabolite 6 β -Naltrexol Transport across the Placental Barrier In Vitro; *Project advisor:* Nicole Hashemi

Sara Ronkvist, Statistics - Presentation at the Population Association of America Annual Meeting, April 2020 - *Project Title:* The Effects of Climate Variability on Fertility in Sub-Saharan Africa; *Project advisor:* Brian Thiede, Penn State University

2018-19

Jacqueline Ehrlich (Biochemistry) - Presentation at the National Council on Undergraduate Research - *Project title:* Characterization of XXT1 Modes of Substrate Binding and XXT5 Structure-solubility Relationship Using Site-directed Mutagenesis; *Project advisor:* Olga Zobotina, Biochemistry Biophysics and Molecular Biology

Richard Gardner (Kinesiology) - Presentation at the Experimental Biology research conference - *Project title:* Two-Weeks of Remote Ischemic Preconditioning Alters Sympathovagal Balance; *Project advisor:* James Lang, Kinesiology

Austin Hanus (Computer Engineering) - Research presentation in Tokyo, Japan - *Project title:* A Collaborative Virtual Reality Escape Room with Passive Haptics; *Project advisor:* Eliot Winer, Virtual Reality Applications Center

Audrey Uridil (Nutritional Sciences - Pre-Dental) - Attendance at the Experimental Biology research conference - *Project title:* Duration of Remote Ischemic Preconditioning on the Skin Microvascular Response to Local Heating; *Project advisor:* James Lang, Kinesiology