

**Annual Report
Grants and Research Funding Committee (GRFC)
2022-2023**

FY2023 Budget

The GRFC had \$54,000 available for 2022-2023.

Fall 2022

The maximum budgeted amount available to be awarded in Fall 2022 was \$24,300 (1/2 of total available with 10% reserved for dissemination proposals).

The maximum budgeted amount available for dissemination proposals was \$5,400.

We received \$30,208 in requests and recommended five (5) research /creative work proposals totaling \$16,799 for funding to the Provost's Office.

Breakdown by college:

Education, Health and Human Studies: 1 research / creative work grant

Harrison College of Business and Computing: 2 research / creative work grants

Humanities and Social Sciences: 0 research / creative work grants

Holland College of Arts and Media: 0 research / creative work grants

Science, Technology, Engineering and Mathematics: 2 research / creative work grants

Spring 2023

The maximum budgeted amount available to be awarded in Spring 2023 was \$24,300 (1/2 of total available with 10% reserved for dissemination proposals).

The maximum budgeted amount available for dissemination proposals was \$5,400.

\$7,501 was available from Fall 2022.

We received \$42,180.29 in requests and recommended nine (9) research /creative work proposals totaling \$31,464.29 and six (6) dissemination / publication grant totaling \$2,345.67 for funding to the Provost's Office.

Breakdown by college:

Education, Health and Human Studies: 1 research / creative work grants; 4 dissemination / publication grants

Harrison College of Business and Computing: 2 research / creative work grants; 1 dissemination / publication grant

Humanities and Social Sciences: 1 research / creative work grant

Holland College of Arts & Media: 2 research / creative work grants

Science, Technology, Engineering and Mathematics: 4 research / creative work grants; 1 dissemination / publication grant

Third Call Spring 2023

The maximum amount available to be awarded in the Third Call Spring 2023 was \$3,391.04. We received \$2,900 in requests and recommended one (1) research /creative work proposals totaling \$2,900 for funding to the Provost's Office.

Breakdown by college:

Education, Health and Human Studies: 0 research / creative work grants

Harrison College of Business and Computing: 0 research / creative work grants

Humanities and Social Sciences: 0 research / creative work grants

Holland College of Arts & Media: 0 research / creative work grants

Science, Technology, Engineering and Mathematics: 1 research / creative work grant

We have \$491.04 unused funds remaining in our 2022-2023 budget. Chris Rieger left the university in Spring 2023 and his \$1,164.33 of unused GRFC funds is available. This total of \$1,655.37 will be carried over to the next fiscal year 2023-2024.

Sincerely,
Joel P. Rhodes
GRFC Chair

Grant Recipients Department	Title	College	Award Type Semester	Amount Rewarded
Garrett Casey Chemistry and Physics	<i>Design and Development of a Modular Cell Delivery System</i>	Science, Technology, Engineering, and Mathematics	Research Fall 2022	\$4,000
Fidel Atuo Biology	<i>Assessment Of White-Tailed Deer (Odocoileus Virginianus) Population and Distribution in Cape Girardeau Using Spotlight</i>	Science, Technology, Engineering, and Mathematics	Research Fall 2022	\$3,949
George Li Computer Science	<i>Thirty-Time Speed- Up for Course Selecting By Using The Power of Machine and Machine Learning</i>	Harrison College of Business and Computing	Research Fall 2022	\$3,000
Sarah Kang Leadership, Middle and Secondary Education	<i>Secondary English Teachers’ Responses to Citizenship Trends: Exploration in a Large Urban Area</i>	Education, Health and Human Studies	Research Fall 2022	\$2,250
Xiaoming Liu Computer Science	<i>Developing A Data- Driven Emerging Skill Network Analysis Framework For Automated Employment Advert Evaluation</i>	Harrison College of Business and Computing	Research Fall 2022	\$3,600

Sara Garner Child and Family Studies	<i>To What Extent Does Mindfulness-Based Practices Impact the Child and Teacher's Well-Being and Classroom Functioning?</i>	Education, Health, and Human Studies	Research Spring 2023	\$3,230
Jason Henry Biology	<i>Exploring the Effects of Silver Nanoparticles on the Growth, Development, and Cell Wall Composition of the Model Fern Ceretopteris Richardii</i>	Science, Technology, Engineering, and Mathematics	Research Spring 2023	\$3,742
Juefei Yuan Computer Science	<i>3D Object Recognition and 3D Environment Detection By Utilizing Tiny Machine Learning Techniques</i>	Harrison College of Business and Computing	Research Spring 2023	\$4,000
Lucas Kirschman Biology	<i>The Effects of Fatty Acid Supplementation on Spider Life History and Immunity</i>	Science, Technology, Engineering, and Mathematics	Research Spring 2023	\$3,942.29
Robert Ruggiero Biology	<i>Whole Genome Sequencing of Trypoxylon Lactitarse Saussure</i>	Science, Technology, Engineering, and Mathematics	Research Spring 2023	\$4,000

Hannah Sanders Art and Design	<i>Parent Artist Residency in Large Format Screenprint and Lithography</i>	Holland College of Arts and Media	Creative Spring 2023	\$550
Sandipan Sen Marketing	<i>An Experimental Study on Impact of Different Levels of Celebrity Endorsements on Consumer Brand Perceptions</i>	Harrison College of Business and Computing	Research Spring 2023	\$4,000
Peter Soland History and Anthropology	<i>Glowing in the Dark: Argentina's Hidden Nuclear History</i>	Humanities and Social Sciences	Research Spring 2023	\$4,000
Bart Williams Theatre and Dance	<i>Ivanna Chubbuck 'Power of the Actor' Research Intensive</i>	Holland College of Arts and Media	Creative Spring 2023	\$4,000
Sarah Lillo Kang Leadership, Middle and Secondary Education	<i>Enacting Equitable Global Citizenship Education in Schools: Lessons from Dialogue Between Research and Practice</i>	Education, Health, and Human Studies	Dissemination Spring 2023	\$245
Corrie Dudley Nursing	<i>Using Simulation to Increase Nursing Student's Confidence in Caring for the Critically Ill Patient</i>	Education, Health, and Human Studies	Dissemination Spring 2023	\$572.67

Santaneel Ghosh Engineering and Technology	<i>Synergistic Actuation of Multifunctional Nano-carriers and Biological Models</i>	Science, Technology, Engineering and Mathematics	Research Third Call Spring 2023	\$2,900
Marcus R. Bond Chemistry and Physics	<i>3-chloro-N,N-dimethylpropan-1-aminium chloride</i>	Science, Technology, Engineering and Mathematics	Dissemination Spring 2023	\$300
Charlotte Cervantes Kinesiology, Nutrition, and Recreation	<i>The Role of Mushrooms as a Functional Ingredient in Chocolate Chip Cookies</i>	Education, Health, and Human Studies	Dissemination Spring 2023	\$1,000
Amy Moore Kinesiology, Nutrition, and Recreation	<i>High School Students' Knowledge of Nutrition and Physical Activity Guidelines</i>	Education, Health, and Human Studies	Dissemination Spring 2023	\$70
Ismatilla Mardanov Management	<i>Determinants of Foreign Direct Investment: Comparative Analysis of Three Clusters of Countries</i>	Harrison College of Business and Computing	Dissemination Spring 2023	\$158