

ANNUAL REPORT
Grants and Research Funding Committee (GRFC)
2017-2018

In the fiscal year 2018, the GRFC had a budget of \$ 132,054. After closing some grants, we had a carryover from fiscal year 2017 of \$67,777. In the fall semester of 2017, we funded eight research / creative work projects totaling \$27,056 and two publication grants totaling \$800.

Overall allocation by colleges:

Science, Technology and Agriculture: 5 research / creative work and 2 publication grants

In the spring of 2018, we funded one publication grant of \$400 and recommended funding eight research / creative work projects totaling \$41,693 to the Provost's Office. After calculating the recent proposals that were funded, we have \$30,497 remaining in our budget to be awarded in the **summer of 2018** and/or carried over to the next fiscal year.

Overall allocation by colleges:

Science, Technology and Agriculture: 5 research / creative work grants

Liberal Arts: 2 research / creative work grants

Education: 1 research / creative work grant

Harrison College of Business: 1 publication grant

Plans implemented in 2017-2018:

1. Revision of the GRFC Guidelines.
 - a. Proposed guidelines and comparison grid have been supplied to the faculty senate.
 - b. Review of the proposed guidelines started at the 4/12 faculty senate meeting.
2. Deal with overspent accounts.
 - a. Some of the deficits were covered by the PI.
 - b. Deficits that were too large or too old to be covered by the PI were covered by the GRFC.
3. Come up with procedures to prevent overspending of accounts in the future.
 - a. Met with several members of the administration and the faculty senate for input.
 - b. Proposed guidelines allow for a budget authority to be named.
 - c. Ultimate responsibility still lies with the PI.
 - d. The GRFC Chair will need to work closely with Accounting Services to ensure that any overspent funds are quickly reimbursed.

Sincerely,
Christina Ragain
GRFC Chair

Grant Recipients Department	Title	College	Award Type/Semester
Philip Crawford and Christina Ragain Chemistry	“Voltammetric Study of Some 3-Aryl-quinoxaline- 2-carbonitrile 1,4-di-N- oxide Derivatives with Anti-Tumor Activities”	College of Science Technology and Agriculture	Publication/Fall 2017
Timothy Judd Biology	“A geometric analysis of the regulation of inorganic nutrient intake by the subterranean termite Reticulitermes flavipes Kollar”	College of Science Technology and Agriculture	Publication/Fall 2017
Md. Rasheduzzman Polytechnic Studies	“Design and Implementation of a Voltage Mode Controller for Boost Inverter”	College of Science Technology and Agriculture	Grant/Fall 2017
Jingjing Tong Polytechnic Studies	“Economic Impacts of Increasing Intermodal Transport in the U.S.”	College of Science Technology and Agriculture	Grant/Fall 2017
Jonathan Kessler Physics and Engineering Physics	“Super-resolution imaging of IFT proteins entering the cilia of human retinal pigment epithelium cells”	College of Science Technology and Agriculture	Grant/Fall 2017
Shamik Bhattacharya Physics and Engineering Physics	“The effect of cinching on tricuspid annulus surface strains: An ex vivo study”	College of Science Technology and Agriculture	Grant/Fall 2017
Dustin Siegel Biology	“Comparative orbital gland morphology in salamanders”	College of Science Technology and Agriculture	Grant/Fall 2017
Gangaraju Vanteddu and Natallia Gray Accounting and Economics & Finance	“Ease of Doing Business in the Developing World and Political and Civil Rights”	Harrison College of Business	Publication/Spring 2018
Chris Wubben Art	“Student Fabrication Assistance for the Construction of Sculptural Project: Demos”	College of Liberal Arts	Funding Recommended: Grant/Spring 2018
Kenneth Stilson, Micheal McIntosh, Josh Harvey, Amber Cook, Christopher Haug and Bart Williams Conservatory of Theatre and Dance	“An American Hero: a World War II musical in New York Musical Festival”	College of Liberal Arts	Funding Recommended: Grant/Spring 2018

Timothy Judd Biology	“The prevalence of the parasite <i>Polyodinium hydriforme</i> in Missouri’s paddlefish and sturgeon and its effects on egg quality”	College of Science Technology and Agriculture	Funding Recommended: Grant/Spring 2018
Jennifer Weber Biology	“Ecological & genetic impacts of climate change on <i>Triodanis perfoliata</i>”	College of Science Technology and Agriculture	Funding Recommended: Grant/Spring 2018
Christina Ragain Chemistry	“Progress Toward Crystallization of Fruit Fly Telomeric Proteins”	College of Science Technology and Agriculture	Funding Recommended: Grant/Spring 2018
Sarah Shaner Chemistry	“Investigation of organosilicates as electrographing precursors for surface modification of electrodes”	College of Science Technology and Agriculture	Funding Recommended: Grant/Spring 2018
Rebecca Kurzahls Chemistry	“Investigation of the role of <i>spitz</i> and <i>spitz</i> interacting genes on cell survival after telomere loss”	College of Science Technology and Agriculture	Funding Recommended: Grant/Spring 2018
Julie A. Ray Elementary, Early and Special Education	“The Partners Project: Using Technology in the Home Setting to Support Kindergarten Children’s Learning and Development”	College of Education	Funding Recommended: Grant/Spring 2018