

Faculty Research Development Award (FRDAs)

The FRDA program is the biomedical research project component of the Faculty Research Development Program. FRDAs are designed to enable partner institution faculty who are not recipients of major PUI research awards to build their research capacity and experience. They also provide significant research opportunities for PUI students and contribute to the infrastructure building in biomedical research capability at the partner institutions. Each year, \$120,000 is designated to support four or more two-year awards of up to \$30,000 per year each. The program is directed by Dr. Werner Geldenhuys (WVU). Requests for Proposals are released as needed to fulfill the number of available awards.

FRDA projects should be related to the multi-disciplinary research theme of WV-INBRE. Research participation by undergraduates is a requirement of these grants. All FRDA projects must have a mentor. Dr. Drew Shiemke (Mentoring Coordinator, WVU) and Dr. Stan Hileman (Program Coordinator, PC, WVU) can assist partner investigators in selecting an appropriate faculty mentor from the lead institutions prior to submission of their applications, to assist them in preparing a competitive application. Mentors will be experienced senior scientists with a scientific expertise that matches the focus of the proposed research project. Presentation of research results at a regional or national meeting is a requirement for eligibility for subsequent funding, with travel grants available to fund travel for the faculty member and their students to present research results.

2019-2020 Awards

Recipient	Institution	Mentor	Project title	Award
Dr. Stuart Cantlay	West Liberty University	Dr. Cory Robinson, WVU	Investigating the morphological differentiation of <i>Francisella tularensis</i>	\$30,000
Dr. Gregory Polsinelli	University of Charleston	Dr. Hongwei Yu, MU	Enzyme kinetic studies of histone deacetylase 3	\$30,000
Dr. Yi Charlie Chen	Alderson Broaddus University	Dr. Yon Rojanasakul, WVU	Mechanistic Studies of Theaflavin-mediated Inhibition of Cancer Cell Stemness	\$50,000
Dr. Joseph Horzempa	West Liberty University	Dr. John Barnett, WVU	Investigation of Erythrocyte Invasion by <i>Francisella tularensis</i>	\$50,000
Dr. Qing Wang	Shepherd University	Dr. David Klinke, WVU	Improving Cancer Management involving targeted therapy and radiotherapy via modeling and simulation	\$50,000

2020-2021 Awards

Recipient	Institution	Mentor	Project Title	Award
Dr. Stuart Cantlay	West Liberty University	Dr. Cory Robinson, WVU	Investigation the morphological differentiation of Francisella tularensis	\$30,000
Dr. Karen Kormuth	Bethany College	Dr. John Noti, WVU	Assessing bacteriophage/host airway interaction for the treatment of chronic lung infections	\$30,000
Dr. Aymen Shatnawi	University of Charleston	Dr. Travis Salisbury, MU	Modulation of estrogen related receptor alpha by ING4in breast cancer	\$25,000
Dr. Qing Wang	Shepherd University	Dr. David Klinke, WVU	Optimizing the effect of immune checkpoint inhibition combined with chemotherapy on tumor growth	\$29,900