



Office of the Vice President for Research

**FY 17 OVPR PILOT/SEED GRANT RECIPIENTS**

| <b>Principal Investigator (PI)</b> | <b>Co-PI(s)</b> | <b>Department(s)</b>                        | <b>Project Title</b>  | <b>Funded Amount</b> |
|------------------------------------|-----------------|---|---|----------------------|
| Bryantsev, Anton                   |                 | Molecular and Cellular Biology              | Mechanisms of chronic cadmium exposure effects on muscle aging and degeneration.  | \$ 11,432            |
| Callahan, Kadian                   |                 | Mathematics                                 | Examining Mathematics Teachers' MKT Knowledge Domains during Lesson Planning  | \$ 12,000            |
| Chen, Ming                         |                 | Theatre and Performance Studies             | Beijing Opera - unlock a hidden treasure of China   | \$ 14,944            |
| Davis, Marcus                      |                 | Molecular and Cellular Biology              | CRISPR Fish: A recipe for developmental biology research success at KSU   | \$ 13,199            |
| Guo, Rongkai                       |                 | Software Engineering and Game Development   | Promote Inquiry-Based Math and CS Conceptual Learning Using Mobile Devices with Collaborative Augmented Reality (CAR)   | \$ 11,752            |
| Hudson, Martin                     |                 | Molecular and Cellular Biology              | Identification and validation of novel Kallmann syndrome genes  | \$ 14,000            |
| Jorin, Ivan Abellan                |                 | Secondary and Middle Grades Education       | Evaluating and refining the Hopscotch Model and supporting webtool: a model to bridge paradigmatic and pragmatic approaches to teaching and learning qualitative research methods in graduate research courses. | \$ 8,282             |
| Li, Lei                            | Qian, Kai       | Information Technology;<br>Computer Science | Collaborative Research: Capacity Building through Curriculum and Faculty Development on Emerging Database Security  | \$ 6,000             |
| Nowak, Scott                       |                 | Molecular and Cellular Biology              | Building an Insect Heart: Akirin-Mediated Gene Regulation During Cardiac Development  | \$ 15,000            |
| Xu, Xiaohua                        |                 | Computer Science                            | Incentivize Device to Device Communications for 5G Networks   | \$ 12,600            |
|                                    |                 |   |   | <b>\$ 119,209</b>    |