

Research Administration & Support

Funding

2016 Innovative Seed Grant Winners

The 2016 Innovative Seed Grant Competition resulted in 23 new grants for a total of \$1 million being awarded to CU-Boulder faculty across all disciplines, including \$250,000 for six grants supporting work directly connected to the CU-Boulder Grand Challenge. There were 96 submissions and 23 projects were funded. The following is the list of 2016 funded projects.

| | | |
|----------------------------------|---|---|
| Grooms, Ian | Applied Mathematics | A data-driven investigation of the dynamics of the Madden-Julian Oscillation |
| Dupre, Jill | ATLAS | Aligning Incentives - Promoting Values and Innovation in UAS Research |
| Jimenez, Jose L. | Chem & BioChem | Demonstration of a high-signal soft-ionization quantitative method for on-line aerosol mass spectrometry |
| Kuchta, Robert | Chem & BioChem | Generation of Novel Electronically Reconfigurable Nanomaterials |
| Shirts, Michael | Chemical Engineering | Understanding the Molecular Details of Protein Binding Plasticity Through Atomistic Computer Simulation |
| Balaji, Rajagopalan | Civil Environmental and Architectural Engineering | Climate change and political instability in the Middle East: A recurring historical pattern? |
| Szafrir, Danielle | CMCI | FieldView: Using Mobile Devices to Blend Data Collection and Analysis for Field Research |
| Kane, Shaun | Computer Science | Increasing the Accessibility of Interactive Physics Simulations Using Actuated Tangible Interactions |
| Shapiro, R. Benjamin | Computer Science | Empowering American Indian Youth through Computer Music & Dance |
| Popovic, Milos | Electrical, Computer and Energy Engineering | Microphotonic Circuits for High Performance, Low Size, Weight and Power Sensing for Space Applications: Toward Single-Chip Radio-Frequency Photonic Receivers for Space Radiometers |
| Mcleod, Robert | Electrical, Computer and Energy Engineering | Liquid Crystal Polymer masks: A new optical element |
| Dilling, Lisa | Environmental Studies | Grand Challenge Seed Grant: Bringing Innovative Data Science Down to Earth |
| Hartter, Joel | Environmental Studies | Improving Access to Agricultural Knowledge Through Mobile Phones: Exploring the Potential for Technology Adoption in Africa |
| Ferme, Valerio | French and Italian | Wonder, Space, and the Arts |
| Leyk, Stefan | Geography | Earth Lab's Human Dimension: Integrating Fine-Grained Data on Human Activity for Advanced Understanding of Environmental Change |
| Tomkinson, Lauren (Noah Molotch) | INSTAAR | Multi-Scale Modeling and Measurement of Ecosystem Sensitivity to Water and Energy Availability |
| Broussard, Josiane | Integrative Physiology | Role of the skin as a tool to assess circadian rhythms and function of peripheral metabolic tissues |
| Xiao, Jianliang | Mechanical Engineering | Smart Morphing Electronics for Soft Robots and Biomedical Applications |
| Rentschler, Mark | Mechanical Engineering | Enabling Interactive Control of In vivo Robots |

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|-----------------|-------------------|--|
| Rogers, Charles | Physics | Levitation and cooling of gallium nitride nanowires |
| Munakata, Yuko | Psychology | Connecting Everyday Experience and Cognitive Development: The Case of Less-Structured Time and Children's Self-directed Executive Function |
| Shneer, David | Religious Studies | CU Project in Post Holocaust American Judaism, Going Online |
| Catlos, Brian | Religious Studies | Mediterranean Studies at CU Boulder |

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