## ****Announcement of Undergraduate Research and Innovation Student Seed Grant Winners****

## ****Fall 2019****

We are pleased to announce the recipients of Fall 2019 Undergraduate Research and Innovation Student Grants.  Four URI Phase 1 and Seven URI Phase 2 Student Seed Grants have been awarded for Fall 2019.

#### **Congratulations to all winners**!

### ****Fall 2019 URI Phase-1 Student Seed Grant Winners****

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| **Name**  **(Bold denotes team leader)** | **Research Project** | **Faculty Advisor** |
| **Jivin Barve (STS)** | The Effect of Cholesterol on Amyloid Beta Proteins and on Alzheimer’s Disease | Cristiano Dias, Department of Physics |
| **Anisah Khandakar (DD),** Astha Sharma (HCI) | Digital Window | Hyejin Hannah Kum-Biocca, Hillier College of Architecture and Design, and Yvette Wohn, Department of Informatics |
| **Varun Pai (Bio),** Rohan Harish (EE) | A Novel Method for Accessible NMR | Cesar Bandera, Martin Tuchman School of Management |
| **Lindsey Riggs (Biophysics)** | The Effect of Apolipoprotein e4 on Cholesterol and Amyloid Beta Proteins in Alzheimer’s Disease | Cristiano Dias, Department of Physics |

**Fall 2019 URI Phase-2 Student Seed Grant Winners**

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| **Name**  **(Bold denotes team leader)** | **Research Project** | **Faculty Advisor** |
| **Swata Gade (Bio)** | Mesenchymal Stem Cell Therapy Mitigates Neuropathology and Improves Neurobehavioral Outcomes in Blast–Induced Brain Injury | Venkata Kakulavarapu and Namas Chandra, Department of Biomedical Engineering |
| **Brooke Leiser (BME)** | Examining the Perivascular Clearance of Amyloid-Beta (Aβ) Protein and the Natural Efflux Mechanisms Involved | James Haorah, Department of Biomedical Engineering |
| **Anna Mathew (Bio)** | Effect of SLKr5 on Subcutaneous Glioblastoma Multiforme Tumor Implant in Athymic Mice to Demonstrate Antiangiogenic Properties | Vivek Kumar, Department of Biomedical Engineering |
| **Kush Patel (CE),** Keitheshia Parris (CE), Julia Flores (ID) | Bio Digester to Recover Nutrients and Energy from Restaurants and Cafeteria Food Waste | Jay Meegoda, Department of Civil and Environmental Engineering, and Martina Decker, Hillier College of Architecture and Design |
| **Sreya Sanyal (Bio & History)** | Novel Method of Cholesterol Management Using Hydrogel for PCSK9 Inhibition | Vivek Kumar, Department of Biomedical Engineering |
| **Anuj Verma (MechE)**, Evan Greff (ChemE) | In Situ Ozone Nanobubble Technology for Water Disinfection and Pollutant Degradation | Wen Zhang, Department of Civil and Environmental Engineering |
| **Anthony Urciuoli (BME)** | The fabrication of airbrushed methacrylated gelatin to form nanofibers on 3D printed scaffolds for cartilage and bone regeneration | Murat Guvendiren, Department Chemical and Materials Engineering, and Biomedical Engineering |