Cohort 2 / Fall 2013 UConn IDEA Grant Award Recipients

Rosse Gates '16 (Mechanical Engineering, ENG)
Autonomous Quadcopter Landing
Mentor: Shalabh Gupta, Electrical and Computer Engineering, ENG
- Rosse worked to develop an autonomous quadcopter that can track its position in relation to the environment and survey disaster areas in GPS-devoid environments.

Dillon Jones '15 (Computer Science Engineering, ENG)
Etch-A-Bot: A CNC Machine by Many Names
Mentor: Jeffrey Meunier, Computer Science and Engineering, ENG
- Dillon designed and built a general purpose, computer-controlled positioning system that enabled multiple forms of manufacturing on one device.

Saher Kazi '16 (Biological Sciences, CLAS; Journalism, CLAS)
Prevalence and Risk Factors for Depression, Anxiety, and Alcohol Abuse Among Connecticut Migrant Farm Workers
Mentors: Fludiona Naka, UConn School of Medicine; Kevin Dieckhaus, UConn Health Center
- Saher investigated the prevalence of acculturative stress in relation to depressive symptoms among migrant farm workers in Connecticut in partnership with the Connecticut Area Health Education Center's Migrant Farm Worker Clinics and the University of Connecticut Health Center.

Kiersten Kronschnabel '16 (Biological Sciences, CLAS)
POWER: Providing Optimal Strategies for Patient Retention While Transitioning from Pediatric to Adult Care
Mentor: Lisa Eaton, Human Development and Family Studies, CLAS
- Kiersten evaluated the success of the Children's Diagnostic & Treatment Center, a comprehensive care clinic in Fort Lauderdale, Fla., in implementing the national guidelines for transitioning HIV-positive adolescents from pediatric to adult care.

Katelyn McFadden '15 (Animal Science, CAHNR)
Effects of Poor Maternal Nutrition during Gestation on Gene Expression in Liver Tissue in Lambs
Mentor: Kristin Govoni, Animal Science, CAHNR
- Katelyn analyzed liver samples in lambs to understand the mechanisms at work affecting offspring growth and development. Her work builds on a collaborative study in the Department of Animal Science evaluating the effects of poor maternal nutrition on the growth of offspring in sheep.

Amoolya Narayanan '16 (Psychology, CLAS)
Prophylactic Supplementation of Trans-Cinnamaldehyde in Feed Protects Mice from Uropathogenic Escherichia coli Associated Urinary Tract Infection
Mentor: Mary Ann Amalaradjou, Animal Science, CAHNR
- Amoolya investigated the potential of trans-cinnamaldehyde, a natural antimicrobial molecule contained in cinnamon, as an antimicrobial coating on urinary catheters to control urinary tract infections.

Zachary Raslan '15 (History, CLAS)
Cliography: The Study and Process of Digitizing and Geoprocessing Historical Geospacial Data to Enhance Historical Analysis
Mentor: Michael Howser, University Libraries
- Zachary partnered with digital humanities project "Virtual Hartford" to acquire and digitize the earliest maps of Hartford, Conn., applying GIS software to create maps that detail the evolution of the city and show changes to the physical landscape after significant historic events.

Aaron Rosman '16 (Natural Resources, CAHNR)
Elatine Ambigua and Elatine Triandra
Mentor: Hamid Razifard, Ecology & Evolutionary Biology, CLAS
- Aaron conducted research on invasive plant species Elatine Ambigua and Elatine Triandra to clarify the species boundaries and provide insights on their source and vector of introduction in the U.S.