



UConn IDEA Grant
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UConn IDEA GRANT RECIPIENTS SPRING 2021 - COHORT 17

Congratulations to the 20 students who have been awarded UConn IDEA Grants to support 2021-22 academic year projects.

INDIVIDUAL PROJECTS

Narayani Ballambat '22, Physiology and Neurobiology & English, CLAS

Lust in Music: Addressing the Double Standards of Sexually Motivated Music in the 21st Century

Mentor: Jiyoun Suk, Women's, Gender, and Sexuality Studies

Aaron Beams '22, Biomedical Engineering, ENG

Intracellular Protein Delivery Using Nanopieces for Anticancer Applications

Mentor: Yupeng Chen, Biomedical Engineering

Ling Chi '22, Biomedical Engineering, ENG

SDHFlow - Workflow Integration of an Automated Social Determinant of Health Screening Tool

Mentor: Robert Stanley, UConn Health

Erik Choi '23, Physiology and Neurobiology & Economics, CLAS

Thinking Outside the SOX: The Fate of Fibro-Adipogenic Progenitors After Knockout of the SOX9 Gene

Mentor: David Goldhamer, Molecular and Cell Biology

Maxwell Fenner '22, Ecology and Evolutionary Biology, CLAS

*Determining the Insulative Contribution of Pennaceous Barbs in House Sparrow (*Passer domesticus*) Contour Feathers*

Mentor: Margaret Rubega, Ecology and Evolutionary Biology

Harsha Jain '22, Engineering Physics & Computer Science and Engineering, ENG

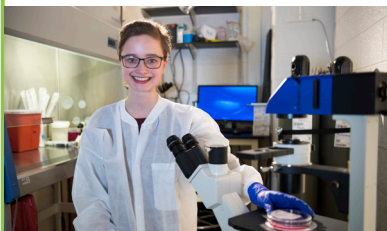
Entrepreneurial Venture of a Smart Real Time Monitoring Device for Plants

Mentor: Jonathan Moore, Management Information Systems

Amara Khaled '22, Art, SFA

"Un"filtered Bridges

Mentor: Emily Larned, Art & Art History



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UNDERGRADUATE RESEARCH

Funding for **original, creative, innovative**, student-designed projects including artistic endeavors, community service initiatives, research projects, entrepreneurial ventures and prototyping.

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Kynza Khimani '22, Physiology and Neurobiology & IMJR: Global Health, CLAS
A Mixed Method Study of Access to Organic Diet in Children Affected by PANS (Pediatric Acute-Onset Neuropsychiatric Syndrome)

Mentor: Cesar Abadia, Anthropology & Human Rights

Mahima Mehta '22, Molecular and Cell Biology, CLAS
Exploring the Effects of Nest Temperature on the DNA Methylation of Eastern Bluebirds

Mentor: Sarah Knutie, Ecology and Evolutionary Biology

Robin Rouleau '22, Philosophy & Linguistics/Psychology, CLAS
Existential Anthropology as Validating Experience: A Comparative Analysis of C. L. R. James and Michael D. Jackson

Mentor: Lewis Gordon, Philosophy

Joseph Vazquez '22, Urban and Community Studies & Human Rights, CLAS
No Home Since: A Glimpse Into Hartford's Hidden Voices

Mentor: Stacy Maddern, Urban and Community Studies

Saumya Vodapally '22, Molecular and Cell Biology & Women's, Gender, and Sexuality Studies, CLAS
RiSE: Refugees in STEM Education

Mentor: Saran Stewart, Higher Education and Student Affairs



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GROUP PROJECTS

Mansi Dhond '22, Management and Engineering for Manufacturing, ENG

Amisha Paul '22, Physiology and Neurobiology & Economics, CLAS

Global Health Curriculum and Advocacy Toolkits: Developing the High School to Post-Secondary Education Pipeline

Mentor: John Redden, Physiology and Neurobiology

Elizabeth He '22, Molecular and Cell Biology, CLAS

André Mastrandrea '23, Music, SFA

When I Get Back to My Dorm - A Collection of Songs Inspired By the UConn Campus

Mentor: Kenneth Fuchs, Music

Quincy Heinrich '22, Electrical Engineering, ENG

Zachary Stone '22, Electrical Engineering, ENG

Variable Pole Induction Motor and Controller

Mentor: Ali Bazzi, Electrical and Computer Engineering

Vuk Jankovic '24, Psychological Sciences, CLAS

Andela Stefanovic '22, Engineering, ENG

Virtual Reality Learning Tree

Mentors: Stacy Maddern, Urban and Community Studies; Kenneth Thompson, Digital Media and Design

