

InnovateUNO 2017 Fall Undergraduate Winners

Oral Winners

1st

3D Printing of Metal Nanoparticle-Polymer Composites

Cynthiya Shrestha

Mentor: Damon Smith

Mechanical Engineering

2nd

Hoverboards: Prototype focal-plane positioners to move heavy payloads for ELTs

Prerak Chapagain

Mentor: Michael Goodwin (AAO)

Mathematics/Electrical Engineering

3rd

Critical State Line of Soils

Kristabelle Mendoza

Mentor: Emir Jose Macari

Civil and Environmental Engineering

4th

FIFA Video Game Series and Diversity in US Soccer

Mark Eric Kugler, Dame Sene, and

Mentor: Dan Harper

Gino Quaglino

Interdisciplinary Studies

5th

Big Data Mining in Twitter using Python Clients

Sanjiv Pradhanang

Mentor: Shaikh Arifuzzaman

Computer Science

Film Winners

1st

Micro-Budget Filmmaking vs High-Budget Filmmaking: A Video Essay

Dustin Foret

Mentor: Laura Medina

Film & Theatre

2nd

The Second Coming

William Van Hoof

Mentor: Laura Medina

Film & Theatre

3rd

Vacate to Populate

Spencer Sticker

Mentor: Laszlo Fulop

Film & Theatre

4th

7 Buttons

David Leonard

Mentor: Laszlo Fulop

Film & Theatre

5th

The Internship Experience

Michael Schwing

Mechanical Engineering

Mentor: Ting Wang

Undergraduate Student Performance:

The Serpent

Joey van Leeuwen and Evan Washington

Music - Jazz Studies

Mentor: Ed Petersen

Undergraduate Visual Arts

1st

Gray

Michelle Ramos

Fine Arts

Mentor: Daniel Rule

Number: 243

2nd

Kairos

Tina Tran

Interdisciplinary Studies

Mentor: Anthony Campbell

Number: 248

3rd

Logic

Rachel Rome

Fine Arts

Mentor: Kathy Rodriguez

Number: 246

4th

The Emperor's New Clothes

James Dupont

Fine Arts

Mentor: Anthony Campbell

Number: 220

5th

Watching

Tyler Gagnet

Fine Arts

Mentor: Anthony Campbell

Number: 223

Undergraduate Poster

1st

Characterization of recombinant enzymes involved in blue green chromatic acclimation in the marine cyanobacterium Synechococcus sp. A 15-62.

Suman Pokhrel
Biological Sciences and Chemistry

Mentor: Wendy Schluchter
Number: 108

2nd

Archaeology Field School Summer 2017: Hohenthurn Aircraft Recovery

Elena Ricci
Anthropology

Mentor: D. Ryan Gray
Number: 101

3rd

The Effects of Low Oxygen on Blood Variables in the Gulf Killifish, Fundulus grandis

Ariel Hernandez
Chemistry

Mentor: Bernard Rees
Number: 118

4th

Elevated Separation Anxiety in Parents Predicts Elevated Separation Anxiety in Children With Chromosome 22q11.2 Deletion Syndrome (22q11.2DS)

Jasmine Mobley, Diana Hobbs,
Ashley F. P. Sanders, David D. Stephenson
Psychology

Mentor: Elliott Beaton
Number: 109

5th

Synthesis and Analysis of LaNi_{1-x}MxO₂ (M = Cu, Co) Possible Analog for Superconducting Cuprate

Alana Dixon, Naeyma Islam, &
Michael Shabetai
Chemistry

Mentor: Viktor Poltavets
Number: 116

Privateer Choice Award

The Separation of Nature

Mitchell Maurin
Mechanical Engineering and Physics

Mentor: Joseph Dew
Number: 228

Latex toolkit

Reecha Khanal
Computer Science

Mentor: Minhaz Zibran
Number: 114

The Effects of Low Oxygen on Blood Variables in the Gulf Killifish, Fundulus grandis

Ariel Hernandez
Chemistry

Mentor: Bernard Rees
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