



Poster Competition

UNDERGRADUATE WINNERS



UNDERGRADUATE – THIRD PLACE

**Sean Bedingfield, Kyle Isaacson, Rachael Mansell,
Taylor Robins, David Britt**

Utah State University

***Vapor-phase deposition and silane functionality to
address issues in silane Capping of ZnO
nanoparticles for use in neurological disorder
treatment***



UNDERGRADUATE – SECOND PLACE

**Hilary Schmidt, Karen Kirby, Tatiana Ilina,
Quiongying Yang, Zhenquiang Wang, Stefan
Sarafianos (University of Missouri), Michael J
Parniak (University of Pittsburgh)**

***Structure-based drug design of novel HIV-1 Rnase H
Inhibitors***



UNDERGRADUATE – FIRST PLACE

**Ryan Putman, Charles Barentine, Neal Hengge,
Andrea Halling, Tyler Gladwin, Cody Tramp, Asif
Rahman, Charles Miller, Utah State University
Kathleen Miller, Logan High School
*AMPed up E.coli***



UNDERGRADUATE – GRAND PRIZE

Grand Prize, sponsored by KSBB

Ramya Prathuri

University of California, Berkeley

Genes to Jeans: A green solution to blue denim



Poster Competition

GRADUATE WINNERS



GRADUATE – THIRD PLACE

Sumit Kumar Singh, Harsh Dosi, Vipul Oswal,
Nicholas Flann, H. Scott Hinton
Utah State University

Synthetic Biomanufacturing Institute
Pathway Pioneer: Visualization and Flux Analysis
Tool for Large Scale Metabolic Networks



GRADUATE – SECOND PLACE

Derrick Fairbanks, Husam A. Abu Hajar, R. Guy
Riefler, Ben Stuart
Ohio University

*Anaerobic digestion optimization through
elemental feedstock characterization*



GRADUATE – FIRST PLACE

Husam A. Abu-Hajar, Derrick Fairbanks, R. Guy
Riefler, Ben Stuart
Ohio University
Algae-based sustainable house



GRADUATE – GRAND PRIZE

Asif Rahman, Ryan J. Putman, Ronald C. Sims,
Charles D. Miller, Kadriye Inan, Fulya Ay Sal, Ashik
Sathish, Renil Anthony, Terence Smith

Utah State University

*Production of Polyhydroxyalkanoates in Escherichia
coli from alternative carbon sources*



STUDENT CHOICE AWARD

Erich Baker, Laurie Heyer, Malcolm Campbell
(Davidson College)

Brandon Greishaber, Jeffrey Poet, Todd Eckdahl
(Missouri Western State University)

*Changing plasmid copy number by mutation of the
pMB1 origin of replication*