

**2019 Student Scholars Symposium Awards
(Project Title, Student Name(s), Faculty Mentor, Department)**

Undergraduate Students Outstanding Oral Presentations

Brazen: Tales of Women Who Did as They Pleas

Brianna Burch and Cecelia Ramsey, English and Modern Languages

Short Chain Fatty Acid Regulation of Toll-Like Receptor 4 in Colorectal Epithelial Cells

Jennie Hibma and Jon Lowrance, Biology

Inter-Individual Variation in Sunitinib Metabolism by Cytochrome P450 3A in Primary Human Hepatocytes

Arsany Abouda, Jennifer Bissada and Klarissa Jackson, Pharmaceutical Sciences

Crating a Fully Functioning Penetration Testing Lab

Jake Hunink and Alan Cantrell, College of Computing and Technology

Unifying the Body of Christ: A Look at Theology from a Latin American Perspective

Lisa Moser and Lauren White, College of Bible and Ministry

Equinox

Tori Thurmond and Jan Harris, English and Modern Languages

BBC's Sherlock and the Convention of Fair Play

Ashley Burklin and Kimberly Reed, English and Modern Languages

"A Muddy Color": Rejecting Binaries to Establish New Mestiza identity in Sandra Cisneros' The House on Mango Street

Kira Dunton and Brandi Kellett, English and Modern Languages

Spanglish: Ni de aqu', nor there

Leslie Shakira Garcia and Jan Harris, English and Modern Languages

Storyteller Soul-Making

Lesley Walker and Caleb Clanton, History, Politics, and Philosophy

Analysis of the Role of EDNRB-202 in Breast Cancer Cell Lines

Zuhaila Hired and Beth Conway, Biology

The Relationship of Higher Education on the Rate of Recidivism

Amy Hurd and Christin Shatzer, SALT Program

Synthesis of Potential Therapeutic Agents for Schizophrenia

Rebekah Duke and Kent Clinger, Chemistry and Biochemistry

Last Component Analysis: Uncovering the causes of complex behaviors in large-scale biochemical systems

Caleb Reagor and James Faeder, Computational and Systems Biology, University of Pittsburgh School of Medicine

615 Coasters

Gracie Larkin and Jeffrey Cohu, Management and Entrepreneurship

Caf' Con Trauma

Leslie Shakira Garcia and Jan Harris, English and Modern Languages

Undergraduate Students Outstanding Poster Presentations

The Presence of HCCVP Effects on MECL1 Expression in Hepatocytes

Lindsey Cook, Jasmine Milligan, Caleb Obregon, Collin Vasseur and Amanda Williams, Biology

Cytokine Effect on the Production of STAT1 in the HepG2 Cells

Kyra Drobny, Ela Wickremasinghe, Haley Kling, Kelly Roy and Amanda Williams, Biology

Effect of Hepatitis C Core Viral Protein on LMP2 in the Interferon Activated JAK/STAT Pathway.

Emilee Swanson, Nathan Williams, Kristen McReynolds, Verena Ghebranious and Amanda Williams, Biology

Crystal Structure and Analysis of Pyridoxylamino acids

Christopher Frederick Ross and Kent Clinger, Chemistry and Biochemistry

A Minimalist Design for Gait Analysis, Rehabilitation Assessment, and General Fitness Tracking

Hillary G. Allen, Matthew Gothard, Jonathan Ehrman, Chrissy Marasco and Stephanie Weeden-Wright, Electrical & Computer Engineering

La Reforma Potable Water Distribution System

Alex Butcher, Austin Chitwood, Lauren Kemper, Ben Hogan, Danny Marsh and Kirsten Dodson, Mechanical Engineering

Health Impact of Water System on Guatemalan Village

Avery Roland and Kirsten Dodson, Engineering

The Effects of Spirituality on the Prognosis of Cancer in Adult Patients

Hannah Pinson, Keonya Milam, Rana Filfilan, Neyland Darnell and Jennifer Weber, Nursing

CYP3A Activity Influences Lapatinib Metabolism in CYP3A5-Genotyped Primary Human Hepatocytes

Jennifer Bissada, Arsany Abouda and Klarissa D. Jackson, Pharmaceutical Sciences

Environmental Privileges and Hazards Faced by Different Ethnic Groups in Nashville, Tennessee

Madeline Stevens and Emily Stutzman, Institute for Sustainable Practice

Healthy, Diverse, Economic: What Farmers Have to Say About Silvopasture

Kelsi Lewis Stubblefield and Emily Stutzman, Institute for Sustainable Practice

Strengths-Based Practice: Empowering Deaf Youth to Thrive

Katie Moon and Cayce Watson, Social Work and Sociology

Graduate Students Outstanding Oral Presentations:

Exploring the Effects of Copper (II) α -(N)-Heterocyclic Thiosemicarbazone Complexes on Human DNA Topoisomerase II β

Myles Keck, Jennifer Connor, Xiaohua Jiang, Edward Lisic and Joe Deweese, Pharmaceutical Sciences

Linking Environmental Factors to Obesity and Diabetes Using Machine Learning

Paul Harnagel, Patrick Ballard, Tad Peterson and Qingguo Wang, College of Computing and Technology

Teacher Attrition in Metro Nashville Public Schools

Barbara King, Jessica Novak, Deana Secrest and Emily Mofield, College of Education

The Impact of Juicy Sentences on the Reading Comprehension of Students with Interrupted Formal Education (SIFE)

Ryan B. Selvaggio and Reva Chatman-Buckley, College of Education

Graduate Students Outstanding Poster Presentations

Metabolism of Lapatinib in Human Liver Microsomes

Vivian Truong and Klarissa Jackson, Pharmaceutical Sciences

Accuracy of Fitness Trackers Calorie Burn Estimates in Comparison to the Mifflin-St. Jeor Equation

Katherine Nese and Tracy Noerper, Nutrition

The influence of Combine Preparation Training Duration on NFL Combine or Pro Day performance

Megan D Jones, William Vantrease, Ann Toy, Jeremy Townsend and Kent Johnson Exercise and Nutrition Science

The Use of Motivational Interviewing Skills for Patient Counseling in an Interprofessional Education Learning Simulation

Gabrielle Givens and Jonathon Pouliot, Pharmacy Practice

Safe and Effective Medication Donation Practices: A Review of Pharmacy Law

Anthony Canitia, Kyle Fletcher and Kamala Nola, Pharmacy Practice