

Scholars Week 2018 Winners
University-Wide Poster Exposition
March 23, 2018

COLLEGE OF BASIC & APPLIED SCIENCES

Undergraduate 1st Place

#336 Madyson Middleton (Chemistry), Kevin Bicker (Faculty sponsor, Chemistry) *Synthesis and Characterization of Antifungal Peptoids against Cryptococcus by Means of Structure Activity Relationship*

Undergraduate Tie for 2nd Place

#312 Gina Bishara (Biology), Grant Gardner (Faculty sponsor, Biology) *The Relationship of Intrinsic and Extrinsic Constraints to Undergraduate STEM Instructors' Use of Research-Based Instructional Strategies*

#338 Muhammad Osama Ali (Chemistry), Andrienne Friedli (Faculty sponsor, Chemistry) *Symmetrical Bis-(4-Alkoxypyridinium) Liquid Crystals Made from Boron Clusters*

Undergraduate 3rd Place

#381 Xoe Thacker (Biology), Kayla Thomas (Biology), Shannon Smith (Biology), John DuBois (Faculty sponsor, Biology) *Callus Initiation in Cannabis Sativa via Plant Tissue Culture Methods*

Graduate 1st Place

#563 Scott Morton (Computational Science), Joshua Phillips (Faculty sponsor, Computer Science) *Molecular Basis of pH-dependent HIV gp120 Differences Revealed Using BESI*

Graduate Tie for 2nd Place

#516 Connor Olson (Biology), Gale Beaubien (Biology), Jaylen Sims (Chemistry), Andrew Todd (Biology), Ryan Otter (Faculty sponsor, Biology) *Mercury Dynamics in Headwater Streams of Tennessee's Appalachian Mountains*

#537 Gale Beaubien (Biology), Connor Olson (Biology), Ryan Otter (Faculty sponsor, Biology) *The Effect of Different Fish Predators on Riparian Spider Mercury Concentrations*

#574 Keshav Paudel (Molecular Biosciences), Bedraj Pandey (Chemistry), Keying Ding (Faculty sponsor, Chemistry) *Cobalt Complexes of Tripodal Phosphorus/Nitrogen Mixed Donor Ligands: Applications for Catalytic Dehydrogenative Coupling Reactions*

Graduate Tie for 3rd Place

#511 Arjun Kafle (Molecular Biosciences), Scott Handy (Faculty sponsor, Chemistry) *Synthesis and Biological Screening of Peracetylated β -D-glucopyranosyl Aurones and Aurone Glucosides*

#580 Mary Catherine Skolfield (Biology), Wesley Riley (Biology) Logan Bowling (Biology), David Nelson

(Faculty sponsor, Biology) *Temporal Integration of Mitochondrial Stress Signals by the PINK1:Parkin Pathway*

COLLEGE OF BEHAVIORAL & HEALTH SCIENCES

Undergraduate 1st Place

#354 Cindi Brown (Psychology), Ying Jin (Psychology), Thomas Brinthaupt (Faculty sponsor, Psychology) *Using Linguistic Inquiry and Word Count to Examine Relationships between Personality and Writing Style*

Undergraduate 2nd Place

#329 Janie Kullmar (Health and Human Performance), Kathryn Blankenship (Faculty sponsor, Health and Human Performance) *Word Learning in Authentic versus Explicit Contexts*

Undergraduate 3rd Place

#383 Amanda Mason (Human Sciences), Joshua McCrary (Human Sciences), Lisa Sheehan-Smith (Faculty sponsor, Human Sciences) *Suitability of Chicken, Broccoli, and Rice Casserole as a Menu Item for Public School Nutrition Programs*

Graduate Tie for 1st Place

#529 Willie Rajvong (Health and Human Performance), Tandra Gause (Health and Human Performance), Andrew Owusu, (Health and Human Performance), Angela Bowman (Health and Human Performance), Chandra Story, (Health and Human Performance), Bethany Wrye, (Health and Human Performance), Andrew Owusu (Faculty sponsor, Health and Human Performance) *An Examination of the Relationship Between Diabetes and Risk Factors Including Diet, Physical Activity and Body Weight Among US Adults*

#531 Glory Okwori (Health and Human Performance), Norman L. Weatherby and Andrew Owusu (Faculty sponsors, Health and Human Performance) *The Impact of the Affordable Care Act on Breast Cancer Mortality among African-American Women*

Graduate 2nd Place

#521 Sarah Murfree (Health and Human Performance), Garvita Thareja (Health and Human Performance), Norman Weatherby (Faculty sponsor, Health and Human Performance) *Predicting the Receipt of a Physician's Recommendation for a Lifestyle Change*

Graduate 3rd Place

#505 Angela Bowman (Health and Human Performance), Tara Prairie (Health and Human Performance), Norman Weatherby (Faculty sponsor, Health and Human Performance), Andrew Owusu (Health and Human Performance), Jwa Kim (Literacy Studies) *Predicting Stigmatizing Attitudes Against Mental Illness Based on Mental Health Literacy*

COLLEGE OF BUSINESS

Graduate 1st Place

#534 Bronwyn Graves (Economics and Finance), Anthon Eff (Faculty sponsor, Economics and Finance) *Innovation and Unemployment: Paths of Causality*

Graduate 2nd Place

#560 Abul Hasnat Salimullah (Economics and Finance), Anthon Eff (Faculty sponsor, Economics and Finance) *Granger Causality Test and Cointegration of Interest Rate, Exchange Rate, and Stock Volatility at Chicago Options Market*

COLLEGE OF LIBERAL ARTS

Undergraduate 1st Place

#367 Natalie Jones (English), Patricia Gaitely (Faculty sponsor, English) *Foreign Language in Selected Literature*

Undergraduate 2nd Place

#342 Madeleine Kurtz (English), Philip Phillips (Faculty sponsor, Honors College) *A Freshman's Journey: An Italian Travel Memoir*

Undergraduate 3rd Place

#314 Kyeesha Wilcox (Global Studies and Human Geography), Bethany Wrye (Faculty sponsor, Health and Human Performance), Erin Anfinson (Faculty sponsor, Art) *Assessing Type 2 Diabetes Risk Perception among College Students and Creating Health Education Tools using the Health Belief Model*

Graduate 1st Place

#570 OlaOmi Amoloku (English), Laura Dubek (Faculty sponsor, English) *Hellcats, Bitches and Succubi: Afro-Futurism and Black Female Selfhood in Lilith's Brood*

Graduate 2nd Place

#514 Kimberly Feher (English), Laura Dubek (Faculty sponsor, English) *"He Deserves a Face": Rewriting the Narrative of Ascent in African American Fiction for Young Adults*

Graduate 3rd Place

#525 Elizabeth Carpenter (English), Laura Dubek (Faculty sponsor, English) *"Ships at a Distance": Spike Lee's Intersectional Treatment of Female Sexuality*

COLLEGE OF MEDIA AND ENTERTAINMENT

Graduate Tie for 1st Place

#524 Karin Albrecht (Media and Communication), Jane Marcellus (Faculty sponsor, Journalism) *From Cure-alls to Calcium Tablets: a Comparative Semiotic Analysis of Advertisements for 19th-20th Century Patent Medicines and Contemporary Dietary Supplements*

#526 Tevin Turner (Recording Industry), Michael Hanson (Faculty sponsor, Recording Industry) *The Evolution of Jazz Recording Techniques*

Graduate 2nd Place

#550 Adrienne Howard (Recording Industry), John Merchant (Faculty sponsor, Recording Industry) *Applied Ambisonics: Capturing Three-Dimensional Sound in a Live Setting*

Graduate 3rd Place

#519 Michael Curtis (Communication Studies and Organizational Communication), Laura Dubek (Faculty sponsor, English) *Race and (Mis)Representation: The Cosby Show and the "Perfect" Black American Family*