

Scholars Week Winners Spring 2015

COLLEGE OF BASIC & APPLIED SCIENCES

Undergraduate Tie for 1st Place

#205 Anna Neal (Biology), Robert Sieg (Faculty), ASSESSING WHETHER FORAGING RANGE OVERLAP BETWEEN *APIS MELLIFERA* AND *BOMBUS* SPECIES SPREADS PARASITES THAT CONTRIBUTE TO COLONY COLLAPSE DISORDER

#250 Joy Fihosy (Biology), Jonathan Bowling (Graduate), James Hayes (Graduate), Erin McClelland (Faculty), David Nelson (Faculty), DEVELOPMENT OF LIVE CELL MARKERS TO INVESTIGATE HOW THE PATHOGEN, *CRYPTOCOCCUS NEOFORMANS*, ALTERS THE INTRACELLULAR ARCHITECTURE OF MACROPHAGES

#294 Trang Huynh (Biology), Stephen Wright (Faculty), ASSESSMENT OF TRADITIONAL CHINESE MEDICINE HERBAL EXTRACT'S POTENTIAL TO INHIBIT HERPES SIMPLEX VIRUS TYPE 1

Undergraduate 2nd Place

#280 Samantha Pulido (Mathematics), Chris Murphy (Mathematics), Wyatt Goff (Mathematics), Rachel Leander (Faculty), MODELING THE EBOLA EPIDEMIC WITH POPULATION MOBILITY

Undergraduate 3rd Place

#230 Christopher Moore (Chemistry), Joseph Close (Chemistry), Ngee Chong (Faculty), EXHAUST EMISSIONS COMPARISON OF GLYCEROL DERIVED ADDITIVES FOR DIESEL AND BIODIESEL

Graduate Tie for 1st Place

#500 Stephen Faulkenberry (Engineering Technology), Karim Salman (Faculty), ENCRYPTION AND DECRYPTION USING CELLULAR AUTOMATA

#509 Bam Paneru (Molecular Biosciences), Rafet Tobasei (Computational Science), Mohamed Salem (Faculty), LONG NON-CODING RNAs (LNCRNAs) ASSOCIATED WITH DISEASE RESISTANCE IN SELECTIVELY BRED CONTROL, SUSCEPTIBLE AND RESISTANT RAINBOW TROUT LINES

#532 Katherine Stefanski (Biology), Grant Gardner (Faculty), Rebecca Seipelt-Thiemann (Faculty), DEVELOPMENT OF A GENE REGULATION CONCEPT INVENTORY

Graduate Tie for 2nd Place

#521 Harish Bhatt (Computational Science), Abdul Q.M. Khaliq (Faculty), NUMERICAL SIMULATION OF MULTIDIMENSIONAL NONLINEAR REACTION-DIFFUSION SYSTEMS WITH LOCALLY EXTRAPOLATED ETD-LOD SCHEME

#527 Jonathan Bowling (Biology), David Nelson (Faculty), USING LIVE CELL IMAGING TO MEASURE THE EFFECT OF ALPHA-SYNUCLEIN ACCUMULATION ON MITOCHONDRIAL DYNAMICS AND MITOPHAGY IN PARKINSON'S DISEASE

#566 Xin Yang (Computational Science), Qiang Wu (Faculty), Dong Hong (Faculty), SPATIAL MULTITASK LEARNING MODELS AND APPLICATION FOR FUNCTIONAL MAGNETIC RESONANCE DATA

Graduate Tie for 3rd Place

#528 Josie Collins (Agribusiness/Agriscience), Rhonda Hoffman (Faculty), Holly Spooner (Faculty), THE EFFECT OF DRY VERSUS SOAKED HAY ON GLYCEMIC RESPONSE IN HORSES

#550 Rachel Lytle (Biology), Kim Sadler (Faculty), Anthony Farone (Faculty), Mary Farone (Faculty), Ginger Rowell (Faculty), HIGH SCHOOL BIOLOGY STUDENT ATTITUDES TOWARD SCIENCE AND CAREER PATH

COLLEGE OF BEHAVIORAL & HEALTH SCIENCES

Undergraduate Tie for 1st Place

#221 Carrie Hopson (Human Sciences), Janet Colson (Faculty), A SYSTEMIC REVIEW OF THE IMPACT OF LONG-TERM VERSUS SHORT-TERM CONSUMPTION AND SUPPLEMENTATION OF OMEGA-3 FATTY ACIDS ON CARDIOVASCULAR DISEASE

#243 Hannah Todd (Psychology), Stuart Bernstein (Faculty), ANALYSIS OF THE EFFICACY OF A HEALTH LITERACY INTERVENTION IN MIDDLE TENNESSEE

Undergraduate Tie for 2nd Place

#264 Lenzie Howell (Health & Human Performance), Stephen Wright (Faculty), MOLECULAR EPIDEMIOLOGY OF ERYTHROMYCIN RESISTANCE IN *STREPTOCOCCUS PYOGENES*

#271 Michaela Edwards (Psychology), Stuart Bernstein (Faculty), Catherine Crooks (Faculty), HEALTH LITERACY COMPREHENSION IN RUTHERFORD COUNTY

Undergraduate 3rd Place

#239 Elizabeth Kurtz (Human Sciences), Team Tennessee, Janis Brickey (Faculty), TEAM TENNESSEE SOLAR DECATHLON

Graduate 1st Place

#511 Cynthia Bass-Thomas (Health & Human Performance), Amber Dorsey (Faculty), Norman Weatherby (Faculty), WOMEN'S PARTICIPATION IN A PILL SHARING NETWORK

Graduate 2nd Place

#512 Christina Miller (Psychology), William Langston (Faculty), CORRELATIONS BETWEEN SCHIZOTYPY, TRANSLIMINALITY, PARANORMAL BELIEF AND EXPERIENCE

Graduate Tie for 3rd Place

#560 Tara Prairie (Health & Human Performance), Bethany A.E. Wrye (Faculty), Norman Weatherby (Faculty), Sharon Parente (Faculty), TIME SEQUENCED CITATION ANALYSIS OF SCIENTIFIC LITERATURE ON ENACTED STIGMA BY HEALTH PERSONNEL WHEN TREATING LGBTQIA PATIENTS

#561 Tracy Morris (Health & Human Performance), Amanda Cook (Health & Human Performance), Minsoo Kang (Faculty), Norman Weatherby (Faculty), MARINE-DERIVED N-3 POLYUNSATURATED FATTY ACIDS AND BODY COMPOSITION: A META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS

COLLEGE OF BUSINESS

Graduate 1st Place

#503 Asli Kars (Economics & Finance), Karen Mulligan (Faculty), Charles Baum (Faculty), THE EFFECT OF EDUCATION ON HEALTH: EVIDENCE FROM TURKEY

COLLEGE OF EDUCATION

Undergraduate 1st Place

#571 Emily Tinch (Elementary & Special Education), Sheila Watkins (Elementary & Special Education), Jane Lim (Faculty), TRAVELING A THOUSAND MILES: THE ROLE OF EDUCATION DIPLOMACY THROUGH STUDY ABROAD

Graduate 1st Place

#565 Weon Kim (Literacy Studies), Amy Elleman (Faculty), PSYCHOMETRIC CALIBRATION OF AN EIGHTH-GRADE READING COMPREHENSION TEST

Graduate 2nd Place

#538 Melissa Brock (Literacy Studies), Cara Otte (Psychology), Heechun Moon (Literacy Studies), Hershel Eason (Psychology), Cyrille Magne (Faculty), PROSODY SENSITIVITY AND READING SKILLS: EVENT-RELATED BRAIN POTENTIALS AND INDIVIDUAL DIFFERENCES

Graduate 3rd Place

#533 Laura Briggs (Literacy Studies), Rebecca Fischer (Faculty), COMPARISONS OF READABILITY FORMULAS AND TEXT COMPLEXITY MEASURE

COLLEGE OF LIBERAL ARTS

Undergraduate Tie for 1st Place

#201 Alan Goodwin (Recording Industry), Avia Hogan (Recording Industry), Matthew Marlow (Computer Science), Laura Dubek (Faculty), NSA: NATIONAL "SPYING" AGENCY?

#248 Joey O'Dell (Sociology & Anthropology), Sydney Whitlock (Sociology & Anthropology), Tanya Peres (Faculty), A COMPARISON OF GARBAGE COLLECTED IN TWO LIMITED INCOME COMMUNITIES

Undergraduate Tie for 2nd Place

#242 Hailey Lawson (Speech & Theatre), Patrick Richey (Faculty), WHITENESS: AN EXAMINATION OF THE CULTURE WITHIN A MIDDLE CLASS NEIGHBORHOOD

#267 Megan Merrick (Sociology & Anthropology), Tanya Peres (Faculty), ARTIFACT ANALYSIS OF FEATURES 6 AND 7, MAGNOLIA VALLEY (40RD314), TENNESSEE

Undergraduate Tie for 3rd Place

#202 Tyler Patrick (Concrete Industry Management), Krista Stahl (Elementary & Special Education), Ashanti Holder (Health & Human Performance), Laura Dubek (Faculty), A CLASS MADE OF GLASS: THE CLASSROOM OF THE FUTURE IS NOW

#203 Craig Young (History), Breia McCray (Animal Science), Rontez Dalton (Exercise Science), Laura Dubek (Faculty), TO INTUBATE OR NOT TO INTUBATE? EMERGENCY PRE-HOSPITAL INTUBATION

COLLEGE OF MASS COMMUNICATION

Graduate 1st Place

#562 Tyler Spratt (Recording Industry), Bill Crabtree (Faculty), A COMPREHENSIVE STUDY OF THE FUNDAMENTALS OF MIXING MUSIC

Graduate 2nd Place

#559 Truman Lusson (Recording Industry), Daniel Pfeifer (Faculty), GENRE ORIENTED MUSIC PRODUCTION AND MIXING

Graduate 3rd Place

#552 Ryan Talbot (Recording Industry), Matt Foglia (Faculty), THE MIXING ENGINEER'S GUIDE TO SURROUND SOUND