24th Annual Celebration of Student Research and Creative Endeavors

Session Schedule
April 15, 2021
Oral Presentations - Morning Session 8:30-11:00am

Taylor Berry, Psychology, Undergraduate Student
Faculty Mentor: Christopher Seitz, Health and Exercise Science
Co-Author(s): Zach Dumaine, Cody Shina, Katie Bigelow, Grace Ruffin
Title: AN INCREASE IN ANXIETY AMONG COLLEGE STUDENTS OVER THE PAST TEN YEARS: A SECONDARY ANALYSIS

McKayla Blackwelder, Public Health, Undergraduate Student
Faculty Mentor: Christopher Seitz, Health and Exercise Science
Co-Author(s): N/A
Title: ONLINE SUICIDE PREVENTION INFORMATION: A SMOG READABILITY ANALYSIS

Annie Bresko, Communication Sciences and Disorders, Undergraduate Student
Faculty Mentor: Jordan Hazelwood, Communication Sciences and Disorders
Co-Author(s): N/A
Title: SLPS’ PERSPECTIVES ON TRAINING IN A STANDARDIZED APPROACH TO MODIFIED BARIUM SWALLOW STUDY (MBSS): A QUALITATIVE STUDY

Henry Bunn, Technology, Graduate Student
Faculty Mentor: Chris Tolbert, Sustainable Technology and the Built Environment
Co-Author(s): N/A
Title: THE EFFECT OF HIGHLY VARIABLE IRRADIANCE PATTERNS ON PHOTOVOLTAIC CELL PERFORMANCE FOR THE APPLICATION OF SOLAR VEHICLES

Katie Childers, Public Health, Undergraduate Student
Faculty Mentor: Adam Hege, Health and Exercise Science
Co-Author(s): N/A
Title: ENVIRONMENTAL CONSERVATION AND ITS RELATION TO PUBLIC HEALTH POLICY

Stacey Deng, Nutrition, Graduate Student
Faculty Mentor: Laura McArthur, Nutrition and Health Care Management
Co-Author(s): Melissa Gutschall, PhD, RD, LDN, Alisha Farris, PhD, RDN, Dr. Kimberly Faszewski, PhD
Title: DESIGN AND EVALUATION OF A SKILL-BUILDING FOOD SECURITY COURSE FOR COLLEGE STUDENTS: A PILOT STUDY

Lauren Elliott, Public Health, Undergraduate Student
Faculty Mentor: Christopher Seitz, Health and Exercise Science
Co-Author(s): Julianna Rodriguez-Cruz, Margaret Lloyd, Cody Shina, Grace Ruffin
Title: A DESCRIPTIVE ANALYSIS OF COMPLAINTS ON YELP.COM ABOUT RESTAURANT STAFF NOT WEARING FACE MASKS DURING COVID-19

Kara Haselton, Interdisciplinary Studies, Undergraduate Student
Faculty Mentor: Ann Pegelow Kaplan, Interdisciplinary Studies
Co-Author(s): N/A
Title: WHERE I’M FROM, A PHOTOGRAPHIC ESSAY ON IMMIGRATION
Sara Idris, Engineering Physics, Graduate Student
Faculty Mentor: François Amet, Physics and Astronomy
Co-Author(s): Aeron McConnell, Brian Opatosky
Title: THE JOSEPHSON JUNCTION CIRCUIT: PART II

Alyssa Lefler, Exercise Science, Undergraduate Student
Faculty Mentor: Christopher Seitz, Health and Exercise Science
Co-Author(s): Aidan Estes, Nick Little, Gracyn Travitz
Title: COVID-19 SAFETY VIOLATIONS AMONG GREEK ORGANIZATIONS AND UNIVERSITY RESPONSE: AN ANALYSIS OF NEWS REPORTS

Haley Love, Nursing, Graduate Student
Faculty Mentor: Becki Turpin, Nursing
Co-Author(s): N/A
Title: INCREASING TRIAGE NURSE CONFIDENCE DURING VETERAN SUICIDE CALLS: EVALUATION OF AN EDUCATIONAL INTERVENTION

Molly Fox, Public Health, Undergraduate Student
Faculty Mentor: Jennifer Tyson, Health and Exercise Science
Co-Author(s): Emily Benson, Laura Brady
Title: PUBLIC HEALTH PREPAREDNESS: SUPPORTING THE GLOBAL PANDEMIC THROUGH A TRAINEESHIP

Noah Murr, Biology, Graduate Student
Faculty Mentor: Michael Opata, Biology
Co-Author(s): Tyler Olender, Amari Smith
Title: MODERATE MALNUTRITION EXACERBATES PLASMODIUM CHABAUDI INDUCED GUT DEFORMITIES AND ALTERATIONS IN MUCOSAL INNATE IMMUNITY

Leanna Pollack, Speech-Language Pathology, Graduate Student
Faculty Mentor: Jordan Hazelwood, Communication Sciences and Disorders
Co-Author(s): N/A
Title: ONLINE RESOURCES FREQUENTLY UTILIZED BY SPEECH-LANGUAGE PATHOLOGISTS FOR DYSPHAGIA MANAGEMENT

Grace Ruffin, Public Health, Undergraduate Student
Faculty Mentor: Christopher Seitz, Health and Exercise Science
Co-Author(s): Bryce Clark, Kate Mulligan, Ann Mosely Whitsett, Meg Hanff
Title: A READABILITY ANALYSIS OF THE CDC’S WEBPAGES THAT PROMOTE EARLY CHILDHOOD VACCINATIONS

Isabel Smith, Global Studies, Undergraduate Student
Faculty Mentor: Joseph Gonzalez, Interdisciplinary Studies
Co-Author(s): N/A
Title: UNDERSTANDING TRENDS IN AUSTRALIAN ASYLUM SEEKER POLICY: AN ANALYSIS ON THE CONTINUATION OF DETERRENCE THROUGH COVID-19
Brooke Stevens, Biology, Undergraduate Student  
Faculty Mentor: Khadija Fouad, Biology  
Co-Author(s): Rafat Shahbain  
Title: COMPARATIVE ANALYSIS BETWEEN CULTURAL BACKGROUNDS AND EVOLUTIONARY BELIEFS

Rachel Szeghy, Exercise Science, Undergraduate Student  
Faculty Mentor: Stephen Ratchford, Health and Exercise Science  
Co-Author(s): Valesha M. Province, Laurel K. Koontz, Nina L. Stute, Marc A. Augenreich, Abigail S. Stickford, Jonathon L. Stickford  
Title: LONGITUDINAL TRACKING OF ARTERIAL STIFFNESS AMONG YOUNG ADULTS WITH SARS-COV-2

Kimberly Todd, Biology, Graduate Student  
Faculty Mentor: Zachary Farris, Health and Exercise Science  
Co-Author(s): N/A  
Title: PATTERNS OF SPATIAL CO-OCCURRENCE AMONG NATIVE AND EXOTIC CARNIVORES IN NORTHEASTERN MADAGASCAR

Katherine Uva, Business Administration, Graduate Student  
Faculty Mentor: Jill Juris Naar, Recreation Management and Physical Education  
Co-Author(s): Cardwell, Chris (B.S.) and Shanely, Shannon (Ph.D.)  
Title: EQUIPPING STUDENTS TO MEET THE CHANGING VIRTUAL RECREATION NEEDS OF OLDER ADULTS
Poster Presentations - Morning Session - 8:30-11:00am

Emma Albertino, Psychology, Undergraduate Student  
Faculty Mentor: Denise Martz, Psychology  
Co-Author(s): Twila Wingrove, Ph.D.  
Title: MENTAL HEALTH OF WOMEN IN EMERGING ADULTHOOD: AN ASSESSMENT OF IN PERSON AND TECHNOLOGICAL SEXUAL ASSAULT

Marc Augenreich, Exercise Science, Graduate Student  
Faculty Mentor: Jonathon Stickford, Health and Exercise Science  
Co-Author(s): Province V.M., Stute N.L., Stickford A.S.L., Ratchford S.M.  
Title: LONGITUDINAL OBSERVATIONS OF METABOLIC AND VENTILATORY RESPONSES DURING INCREMENTAL EXERCISE IN YOUNG ADULTS FOLLOWING SARS-COV-2 INFECTION

Emily Benson, Public Health, Undergraduate Student  
Faculty Mentor: Adam Hege, Health and Exercise Science  
Co-Author(s): Aaron Carpenter, Rebecca Hagedorn, Lanae Hood, Julia Waity, Jessica Soldavini, Amelia Huelskamp, Elizabeth Wall-Bassett, Lillian MacNell, Maureen Berner  
Title: HOW DOES FOOD AND HOUSING INSECURITY INFLUENCE THE ACADEMIC PERFORMANCE OF UNIVERSITY AND COLLEGE STUDENTS? EVIDENCE FROM A SAMPLE OF EIGHT NC UNIVERSITIES AND COLLEGES

Abbey Bush, Exercise Science, Undergraduate Student  
Faculty Mentor: Kimberly Fasczewski, Health and Exercise Science  
Co-Author(s): LaVerene Garner, Sara Powell  
Title: EXPLORING VIRTUAL PHYSICAL THERAPY-BASED PHYSICAL ACTIVITY PROGRAMMING FOR INDIVIDUALS LIVING WITH MULTIPLE SCLEROSIS: A NEEDS ASSESSMENT

Matthew Canjar, Exercise Science, Undergraduate Student  
Faculty Mentor: Rebecca Kappus, Health and Exercise Science  
Co-Author(s): Dylan Richard  
Title: THE EFFECTS OF COVID-19 ON YOUNG VETERANS’ CARDIOVASCULAR HEALTH

Alex Christofalos, Sustainable Technology, Graduate Student  
Faculty Mentor: Jeremy Ferrell, Sustainable Technology and the Built Environment  
Co-Author(s): N/A  
Title: COMPARATIVE ANALYSIS OF AFRICAN BLUE BASIL UNDER THREE SUPPLEMENTAL LIGHTING SYSTEMS IN A CONTROLLED ENVIRONMENT

Sydney Clark, Environmental Science, Undergraduate Student  
Faculty Mentor: Christopher Thaxton, Physics and Astronomy  
Co-Author(s): Matthew Phillips  
Title: OPTIMIZATION OF MERRA-2 MODEL REGION SIZES FOR ANALYSIS OF AEROSOL-METEOROLOGY INTERACTIONS
Alison Collins, Nutrition, Graduate Student
Faculty Mentor: Melissa Gutschall, Nutrition and Health Care Management
Co-Author(s): Dr. Alisha Farris, Dr. Adam Hege
Title: PERCEPTIONS OF FOOD ACCESS AND NUTRITION EDUCATION NEEDS AMONG FOOD PANTRY CLIENTS IN WATAUGA COUNTY, NORTH CAROLINA

Hannah Coyner, Nutrition, Graduate Student
Faculty Mentor: Paul Moore, Nutrition and Health Care Management
Co-Author(s): Marie Mahon Carpenter, RD, LD; Kyle Thompson DCN, RDN, LDN, CNCS; M. Margaret Barth, PhD, MPH
Title: ANALYSIS OF GOAL ATTAINMENT FOR ACUTE CARE HOSPITAL PATIENTS BY A CLINICAL NUTRITION TEAM IN A REGIONAL MEDICAL CENTER

Joel Crothers, Art and Visual Culture, Undergraduate Student
Faculty Mentor: Andrew Heckert, Geological and Environmental Sciences
Co-Author(s): Zackary Ore
Title: IDENTIFYING UNPUBLISHED PALEOPATHOLOGIES IN TYRANNOSAURID (DINOSAURIA: THEROPODA) SPECIMENS ON PUBLIC EXHIBIT

Wheeler Davis, Biology, Undergraduate Student
Faculty Mentor: Andrew Bellemer, Biology
Co-Author(s): Amber Dyson
Title: INVESTIGATION OF THE ROLE OF EIF2ALPHA IN NOCICEPTION IN DROSOPHLA MELANOGASTER

Sonoma Dixon, Supply Chain Management, Undergraduate Student
Faculty Mentor: Steven Leon, Marketing and Supply Chain Management
Co-Author(s): Hoon Choi
Title: PERSONALITY AND ITS AFFECT ON CONSUMER SATISFACTION AND LOYALTY IN THE UNITED STATES AIRLINE INDUSTRY

Patricia Ferreira, Psychology, Graduate Student
Faculty Mentor: Twila Wingrove, Psychology
Co-Author(s): N/A
Title: THE IMPACT OF SEXUAL ASSAULT NURSE EXAMINER TRAINING AND EXPERIENCE ON MOCK JURORS’ PERCEPTIONS IN A CHILD SEXUAL ABUSE TRIAL

Rachel Gallardo, Nutrition, Graduate Student
Faculty Mentor: Laurel Wentz, Nutrition and Health Care Management
Co-Author(s): N/A
Title: NUTRITION ASSESSMENT AND BODY COMPOSITION CHANGES ACROSS A COMPETITIVE SEASON IN COLLEGIATE WRESTLERS
Grace Galphin, Public Health, Undergraduate Student  
Faculty Mentor:  Adam Hege, Health and Exercise Science  
Co-Author(s):  Grace Ruffin (Non-ASU Researchers - Rebecca Hagedorn, Lanae Hood, Julia Waity, Jessica Soldavini, Amelia Huelskamp, Elizabeth Wall-Bassett, Lillian MacNell, Maureen Berner)  
Title:  FOOD INSECURITY AND THE IMPACTS ON MENTAL AND PHYSICAL HEALTH OUTCOMES AND PERCEIVED HEALTH STATUS AMONG A SAMPLE OF STUDENTS AT EIGHT NC UNIVERSITIES AND COLLEGES

Sarah Helmick, Nutrition, Graduate Student  
Faculty Mentor:  Martin Root, Nutrition and Health Care Management  
Co-Author(s):  Kyle Thompson, Alisha Farris  
Title:  THE ASSOCIATION OF DIETARY FIBER INTAKE WITH METABOLIC SYNDROME

Laurel Koontz, Exercise Science, Graduate Student  
Faculty Mentor:  Stephen Ratchford, Health and Exercise Science  
Co-Author(s):  Valesha M Province, Nina L Stute, Marc A Augenreich, Jonathon L Stickford, Abigail S Stickford, Stephen M Ratchford  
Title:  LONGITUDINAL TRACKING OF VASCULAR FUNCTION AMONG YOUNG ADULTS WITH SARS-COV-2

Katie Krogmeier, Biology, Graduate Student  
Faculty Mentor:  Howard Neufeld, Biology  
Co-Author(s):  Erica Pauer  
Title:  IMPACTS OF POLYPLOIDY ON THE ECOPHYSIOLOGY OF SOLIDAGO ALTISSIMA

Dakota Lewis, Biology, Graduate Student  
Faculty Mentor:  Andrew Bellemer, Biology  
Co-Author(s):  N/A  
Title:  THE ROLE OF RNA-BINDING PROTEINS IN THE NOCICEPTIVE PROCESS

Connor Lubsen, Economics, Undergraduate Student  
Faculty Mentor:  Brock Stoddard, Economics  
Co-Author(s):  N/A  
Title:  INDIVIDUALISTIC AND COLLECTIVISTIC MINDSETS IMPACT ON COOPERATIVE BEHAVIOR IN SOCIETY

Shallelica Mean, Nutrition, Graduate Student  
Faculty Mentor:  Melissa Gutschall, Nutrition and Health Care Management  
Co-Author(s):  Karalee Cole MA CCC-SLP and Alisha R Farris PhD RDN  
Title:  INCORPORATING NUTRITION EDUCATION INTO A SUMMER LITERACY PROGRAM: AN INTERPROFESSIONAL PILOT PROGRAM

Ali Montazeri, Environmental Science, Undergraduate Student  
Faculty Mentor:  Jon Davenport, Biology  
Co-Author(s):  Logan Suchniak, Robert P. Creed  
Title:  THE EFFECTS OF DETRITIVORES ON LEAF LITTER BREAKDOWN IN EXPERIMENTAL PONDS
Caroline Moore, Environmental Science, Undergraduate Student
Faculty Mentor: Sarah Evans, Geological and Environmental Sciences
Co-Author(s): N/A
Title: HYDROLOGIC BUFFERS ON SOIL TEMPERATURE HETEROGENEITY IN A MOUNTAIN FEN

Samuel Moore, Physics, Undergraduate Student
Faculty Mentor: Tonya Coffey, Physics and Astronomy
Co-Author(s): Colin Tyznik, Dr. Oana Jurchescu
Title: CHARACTERIZATION OF LASER PRINTED PEROVSKITE FILMS VIA ADVANCED MICROSCOPIES

Lauren Morris, Psychology, Undergraduate Student
Faculty Mentor: Doris Bazzini, Psychology
Co-Author(s): N/A
Title: THE INFLUENCE OF FACE MASKS ON PERCEPTIONS OF BLACK AND WHITE MEN

Austin Murphy, Physics, Undergraduate Student
Faculty Mentor: Brooke Hester, Physics and Astronomy
Co-Author(s): N/A
Title: CELL CULTURE METHODOLOGY FOR PHYSICAL PROPERTY INVESTIGATION USING AUTOMATED OPTICAL TWEEZER APPARATUS

Lucy Newsom, Psychology, Undergraduate Student
Faculty Mentor: Yalcin Achigoz, Psychology
Co-Author(s): Isabella Lopez, Riggs Matthews, Shawn Bergman, Timothy Ludwig
Title: GENERATING A PREDICTIVE MODEL FOR INJURY RATES FOR A CHEMICAL MANUFACTURING COMPANY

Will O’Malley, Marketing, Undergraduate Student
Faculty Mentor: Jason Xiong, Computer Information Systems
Co-Author(s): Caleb Wright, Manas Desai
Title: CRYPTOCURRENCY AND CORONAVIRUS: HOW A GLOBAL PANDEMIC AFFECTS DECENTRALIZED CURRENCY

Valesha Province, Exercise Science, Graduate Student
Faculty Mentor: Jonathon Stickford, Health and Exercise Science
Co-Author(s): Marc Augenreich, Nina Stute, Dr. Abigail Stickford, Dr. Stephen Ratchford, Dr. Jonathon Stickford
Title: EVALUATION OF EXERTIONAL DYSPNEA DURING RECOVERY FROM SARS-COV-2 INFECTION IN YOUNG ADULTS

Erik Rangel Silva, Biology, Graduate Student
Faculty Mentor: Andrew Bellemer, Biology
Co-Author(s): N/A
Title: CRISPR/CAS9 GENE EDITING AS A NOVEL METHOD FOR NOCICEPTION-RELATED GENE MANIPULATION IN DROSOPHILA MELANOGASTER
Brianna Richardson, Public Health, Undergraduate Student  
Faculty Mentor: Erin Bouldin, Health and Exercise Science  
Co-Author(s): Bryan Belcher, Amber Chapman, Kimberly McCullough, Gary McCullough  
Title: EVALUATION OF A CAREGIVER EDUCATION PROGRAM IN APPALACHIA

Tyler Roof, Nutrition, Graduate Student  
Faculty Mentor: Laurel Wentz, Nutrition and Health Care Management  
Co-Author(s): Danielle Nunnery, Marco Meucci  
Title: EFFECT OF NUTRITION INTAKE AND CHANGES IN BODY COMPOSITION ON INCIDENCE OF INJURY IN COLLEGIATE WRESTLERS

Dasari Sai Nivedita, Biology, Undergraduate Student  
Faculty Mentor: Stephen Ratchford, Health and Exercise Science  
Co-Author(s): Sophie Osada, Rachel Szeghy, Valesha Province, Laurel Koontz, Landry Bobo, Nina Stute, Marc Augenreich, Andrew Putnam, Jonathon Stickford, Abigail Stickford, Stephen Ratchford  
Title: LONGITUDINAL TRACKING OF CARDIAC ALTERATIONS AMONG YOUNG ADULTS WITH SARS-COV-2

Jana Sherrill, Nutrition, Graduate Student  
Faculty Mentor: Sandi Lane, Nutrition and Health Care Management  
Co-Author(s): N/A  
Title: EVALUATION OF STAFFING DURING HURRICANES FLORENCE AND MICHAEL

Nick Stevens Jr., Exercise Science, Graduate Student  
Faculty Mentor: Kimberly Fasczewski, Health and Exercise Science  
Co-Author(s): Paige Bramblett, Jennifer Thornton-Brooks  
Title: UNDERSTANDING MULTIPLE SCLEROSIS CHARITY EVENT PARTICIPATION: IS BEHAVIORAL ECONOMICS THE MISSING LINK TO INCREASING PHYSICAL ACTIVITY?

Nina Stute, Exercise Science, Graduate Student  
Faculty Mentor: Abigail Stickford, Health and Exercise Science  
Co-Author(s): Valesha Province, Marc Augenreich, Jonathon Stickford, Stephen Ratchford  
Title: SYMPATHETIC NEURAL ACTIVITY AND HEMODYNAMICS IN YOUNG ADULTS RECOVERING FROM SARS-COV-2

Gracyn Travitz, Public Health, Undergraduate Student  
Faculty Mentor: Adam Hege, Health and Exercise Science  
Co-Author(s): N/A  
Title: THE IMPACTS OF FOOD INSECURITY ON SCHOOL-AGED CHINESE CHILDREN

Charles (Chip) Weir, Geography, Undergraduate Student  
Faculty Mentor: Johnathan Sugg, Geography and Planning  
Co-Author(s): N/A  
Title: SOME GEOGRAPHIC PERSPECTIVES ON THE RELATIONSHIP BETWEEN POLITICAL PARTISANSHIP AND CLIMATE CHANGE BELIEFS IN THE US
Cameron Welsh, Physics, Undergraduate Student  
Faculty Mentor: Sayan Chandra, Physics and Astronomy  
Co-Author(s): Allison Basili, Barret Odom, Tonya S. Coffey  
Title: **GROWTH AND CHARACTERIZATION OF THERMOCHROMIC VANADIUM OXIDE FILMS**

Trenten Winebarger, Exercise Science, Undergraduate Student  
Faculty Mentor: Jonathan Stickford, Health and Exercise Science  
Co-Author(s): Augenreich, M.A., Szeghy, R.E., Province, V.M., Stute, N.L., Stickford, A.S.L., Ratchford, S.M.  
Title: **CHANGES TO BODY COMPOSITION IN YOUNG ADULTS FOLLOWING SARS-COV-2 INFECTION**

Emily Xiong, Biology, Graduate Student  
Faculty Mentor: Michael Opata, Biology  
Co-Author(s): N/A  
Title: **MODERATE MALNUTRITION DECREASES MALARIA-SPECIFIC EFFECTOR CD4+ T CELLS**

Ava Young, Psychology, Undergraduate Student  
Faculty Mentor: Timothy Ludwig, Psychology  
Co-Author(s): Cori Ferguson, Nicholas Granowsky  
Title: **VALIDATING THE SAFETY MEASUREMENT CULTURE SURVEY: ASSESSING EMPLOYEE SAFETY REPORTING**

Asaf Zemah, Social Work, Graduate Student  
Faculty Mentor: Maureen MacNamara, Social Work  
Co-Author(s): N/A  
Title: **ATTITUDES TOWARDS HUMAN AND NONHUMAN ANIMALS**
Performance Presentation - Afternoon 12:30-4:00pm

Jordan Priest, Interdisciplinary Studies, Undergraduate Student
Faculty Mentor: Ann Kaplan, Interdisciplinary Studies
Co-Author(s): N/A
Title: WEAVING IDENTITIES
Oral Presentations - Afternoon Sessions 12:30-4:00pm

Nick Cellini, Languages, Literatures, and Cultures, Undergraduate Student
Faculty Mentor: Adrienne Erazo, Languages, Literatures and Cultures
Co-Author(s): N/A
Title: ANALYSIS OF YURI HERRERA’S SIGNS THAT WILL PRECEDE THE END OF THE WORLD AND HOW IT METAPHORICALLY REPRESENTS THE LATINX IMMIGRANT EXPERIENCE

Kathleen Duckett, Geology, Undergraduate Student
Faculty Mentor: Sarah Carmichael, Geological and Environmental Sciences
Co-Author(s): Johnny Waters, Peter Koenigshof, Ariuka Munkhjargal
Title: LATE DEVONIAN ROCKS FROM A NEW SITE: THE BAYANKHOSHUU RUINS OF SOUTHWESTERN MONGOLIA

Jacob Greenfield, Engineering Physics, Graduate Student
Faculty Mentor: Christopher Thaxton, Physics and Astronomy
Co-Author(s): N/A
Title: METEOROLOGICAL DATA TRANSMISSION AND ACQUISITION SYSTEM FOR A DRONE.

Abdel Issa, Computer Science, Undergraduate Student
Faculty Mentor: Andrew Polonsky, Computer Science
Co-Author(s): N/A
Title: METATHEORY OF LAMBDA CALCULUS USING THE NESTED TYPE REPRESENTATION

Sarah Daniel Jackson, School Psychology, Graduate Student
Faculty Mentor: Dr. Jim Deni, Psychology
Co-Author(s): Dr. Stephanie Corcoran (The University of Alabama - Birmingham)
Title: SELF-CARE IN ACTION

Katherine Machen, Biology, Graduate Student
Faculty Mentor: Andrew Bellemer, Biology
Co-Author(s): N/A
Title: NOCICEPTOR SENSITIVITY AND PLASTICITY IN DROSOPHILA LARVAE IS REGULATED BY TRANSLATION INITIATION FACTORS

Aeron McConnell, Physics, Undergraduate Student
Faculty Mentor: Francois Amet, Physics and Astronomy
Co-Author(s): Sara Idris and Brian Opatosky
Title: THE JOSEPHSON JUNCTION CIRCUIT

Rachael Moyer, Educational Leadership, Graduate Student
Faculty Mentor: Alicia Muhammad, Leadership and Educational Studies
Co-Author(s): N/A
Title: SERVING MULTIPLE GODS: A NARRATIVE INQUIRY OF THE CULTURE OF DISTRIBUTED INSTRUCTIONAL LEADERSHIP IN AN IB MYP SCHOOL
Rachel Nelson, Educational Leadership, Graduate Student  
Faculty Mentor: Elizabeth Bellows, Curriculum and Instruction  
Co-Author(s): N/A  
Title: LEARNING TO TEACH IN TROUBLING TIMES: AN EXPLORATION OF CULTURALLY RESPONSIVE TEACHING AND EDTPA  

Alex O'Neill, Geography, Graduate Student  
Faculty Mentor: Baker Perry, Geography and Planning  
Co-Author(s): Dr. Song Shu, Dr. Maggie Sugg  
Title: ANALYTICAL HIERARCHICAL MODELING OF GLACIAL LAKE OUTBURST FLOOD POTENTIAL IN THE KHUMBU REGION, NEPAL  

Brian Opatosky, Physics, Undergraduate Student  
Faculty Mentor: François Amet, Physics and Astronomy  
Co-Author(s): Sara Idris, Aeron McConnell  
Title: JOSEPHSON JUNCTION ELECTRONIC ANALOGUE: PART 3  

Elizabeth Popovic, Art and Visual Culture, Undergraduate Student  
Faculty Mentor: Heather Waldroup, Art  
Co-Author(s): N/A  
Title: CLOUDED VISION: ART AND EXHIBITION DURING WWI  

Ciara Sailar, Geology, Undergraduate Student  
Faculty Mentor: Andrew Heckert, Geological and Environmental Sciences  
Co-Author(s): N/A  
Title: EXPLORING THE ONTOGENY AND PALEOBIOLOGY OF THE LATE CRETACEOUS CHASMOSAURINE DINOSAUR TRICERATOPS THROUGH HISTOLOGY OF FOSSIL BONES  

Austin Simmons, Biology, Graduate Student  
Faculty Mentor: Maryam Ahmed, Biology  
Co-Author(s): Darren Seals  
Title: VESICULAR STOMATITIS VIRUS SUPPRESSES THE PHAGOCYTIC CAPACITY OF A TUMOR-PROMOTING MACROPHAGE POPULATION  

Carlie Smith, Economics, Undergraduate Student  
Faculty Mentor: Brock Stoddard, Economics  
Co-Author(s): N/A  
Title: FRAMING & INEQUALITY IN PUBLIC GOODS GAMES  

Wilson Styres, Computer Science, Undergraduate Student  
Faculty Mentor: Jay Fenwick, Computer Science  
Co-Author(s): N/A  
Title: MAPPALACHIAN: AN IOS APP THAT MAPS THE INTERIOR SPACES OF APP STATE BUILDINGS
Mary Ann Watkins, Public Health, Undergraduate Student  
Faculty Mentor: Christopher Seitz, Health and Exercise Science  
Co-Author(s): N/A  
Title: US COLLEGE STUDENTS' USE AND PERCEPTIONS OF CIGARETTES AND E-CIGARETTES FROM 2000 TO 2019

Tyree Wilmoth, Sustainable Technology, Graduate Student  
Faculty Mentor: Jeff Ramsdell, Sustainable Technology and the Built Environment  
Co-Author(s): N/A  
Title: CHARACTERIZING THE INFLUENCE OF IMPLEMENTING ORGANIZATIONS ON HOLLOW FIBER MEMBRANE FILTER ADOPTION

Alex Zepka, Exercise Science, Undergraduate Student  
Faculty Mentor: Steve Ratchford, Health and Exercise Science  
Co-Author(s): Valesha Province, Laurel Koontz, Nina Stute, Marc Augenreich, Jonathon Stickford, and Abigail Stickford  
Title: LONGITUDINAL TRACKING OF HEMODYNAMICS AND METABOLISM DURING HANDGRIP EXERCISE AMONG YOUNG ADULTS WITH SARS-COV-2
Poster Presentations - Afternoon Session 12:30-4:00pm

Elliot Adler, Exercise Science, Undergraduate Student
Faculty Mentor: Andrew Heckert, Geological and Environmental Sciences
Co-Author(s): Zackary Ore
Title: IDENTIFYING UNPUBLISHED PALEOPATHOLOGIES IN TYRANNOSAURID (DINOSAURIA: THEROPODA) SPECIMENS ON PUBLIC EXHIBIT

Shamsuddin Ahmed, Geology, Undergraduate Student
Faculty Mentor: Andrew Heckert, Geological and Environmental Sciences
Co-Author(s): Luke Rose, Spencer Randleman, Isaac Pugh, Joel Crothers, James Meyer
Title: PRELIMINARY TAPHONOMY OF THE VERTEBRATE FOSSIL ASSEMBLAGE FROM THE REVUELTIAN (UPPER TRIASSIC: NORIAN) AGE GARITA CREEK SITE OF EAST-CENTRAL NEW MEXICO, USA

Andrew Bagwell, Geography, Graduate Student
Faculty Mentor: Dennis Gilfillan, Appalachian Energy Center
Co-Author(s): Caity Duncan and Caroline Fehlman
Title: THE GEOGRAPHIC DISTRIBUTION OF CLIMATE CHANGE RESPONSIBILITIES AND BURDENS IN THE UNITED STATES

Evan Barnes, Engineering Physics, Graduate Student
Faculty Mentor: Brooke Hester, Physics and Astronomy
Co-Author(s): N/A
Title: ENGINEERING AN OPTICAL TWEEZER APPARATUS

Erica Blackburn, Nutrition, Graduate Student
Faculty Mentor: Alisha Farris PhD, RDN, Nutrition and Health Care Management
Co-Author(s): Marco Meucci PhD, John Arrowood MS, RDN
Title: EVALUATION OF A SUMMER CAMP ON FOOD AND DRINK BEHAVIORS

Connor Briggs, Mathematics, Undergraduate Student
Faculty Mentor: Eric Marland, Mathematical Sciences
Co-Author(s): N/A
Title: REVISIONS IN UNITED NATIONS ENERGY STATISTICS DATA: CAN CHANGES TO THE PAST IMPROVE OUR UNDERSTANDING OF THE PRESENT?

Jakobe Bussey, Computer Science, Undergraduate Student
Faculty Mentor: Andrew Polonsky, Computer Science
Co-Author(s): N/A
Title: FROM POSETS TO BOOLEAN ALGEBRAS: A CASE STUDY OF FORMALIZING MATHEMATICS IN DEPENDENT TYPE THEORY

Ben Capell, Geography, Graduate Student
Faculty Mentor: Jeff Colby, Geography and Planning
Co-Author(s): Dr. Derek Martin
Title: GIS ANALYSIS FOR MICROHYDROELECTRIC POWER ESTIMATION
Christopher Cardwell, Social Work, Graduate Student
Faculty Mentor: Dr. Jill Juris Naar, Recreation Management and Physical Education
Co-Author(s): Katherine Uva, Dr. Anastasia Schulhoff, Dr. Erin Bouldin
Title: COMBATING SOCIAL ISOLATION, LONELINESS, AGEISM, AND THE DIGITAL DIVIDE USING AN INTERGENERATIONAL REVERSE-MENTORING MODEL.

Hannah Castrogiovanni, Psychology, Graduate Student
Faculty Mentor: Twila Wingrove, Psychology
Co-Author(s): Allison Curry, Ashley Tate, & Alissa Anderson Call
Title: EFFECTS OF STUDENT AGE ON MOCK JUROR PERCEPTIONS OF A TEACHER-STUDENT SEXUAL ENCOUNTER

Kelsey Charbeneau, Psychology, Undergraduate Student
Faculty Mentor: Christopher Holden, Psychology
Co-Author(s): Dr. Amy Page (Sociology) & Dr. Andrew Smith (Psychology)
Title: CLARIFYING SADOMASOCHISM IN THE REALM OF SADISTIC NOMENCLATURE

Ishani Chattopadhayay, Biology, Undergraduate Student
Faculty Mentor: Andrew Bellemer, Biology
Co-Author(s): N/A
Title: THE ROLE OF TNF ALPHA IN NOCICEPTIVE HYPERSENSITIZATION

Lillie Cook, Biology, Undergraduate Student
Faculty Mentor: Abigail Stickford, Health and Exercise Science
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Title: UNDERSTAND THE CONCURRENT RISK OF MENTAL HEALTH, POOR AIR QUALITY, AND DANGEROUS WILDFIRE EVENTS IN THE COVID19 PANDEMIC

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Title: AN UPPER TRIASSIC (REVUELTIAN: MID-NORIAN) FOSSIL ASSEMBLAGE FROM THE GARITA CREEK MICROVERTEBRATE LOCALITY OF EAST-CENTRAL NEW MEXICO

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