2019 Appalachian Student Research Forum

April 12, 2019
Millennium Center • Johnson City, TN
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About the ASRF

The Appalachian Student Research Forum is an annual event hosted by East Tennessee State University. The Forum brings together undergraduate, graduate, medical and pharmacy students, post-doctoral fellows and medical residents to present their original research in a formal, juried setting.

Beginning in 1985 as a program within the Medical School with only 19 participants, the 2019 Forum will host over 230 participants from colleges and universities across the Southern Appalachia region presenting in fields as diverse as nursing, medicine, pharmacy and public health; chemistry, biology, economics and other natural, physical and social sciences; computing and engineering; education, and the humanities.

A cadre of distinguished researchers, faculty and physicians evaluate and award top prizes for poster presentations for which all levels of participant are eligible, and oral presentations for which all levels of participant except undergraduates are eligible.

The Forum culminates with an awards presentation and a keynote address given by a nationally-recognized researcher. Past presenters include Dr. Joycelyn Elders, former U.S. Surgeon General; Dr. Michael Tucker, a leading researcher in in vitro fertilization; former NASA astronaut Dr. Rhea Seddon; and Dr. Ronald C. Desrosiers, who gained international recognition when he discovered that it is possible to vaccinate monkeys against the AIDS virus.

The Forum is organized by the ETSU Office of Research and Sponsored Programs Administration with input from the ASRF Faculty Advisory Committee. To learn about past ASRF events, please visit:

www.etsu.edu/studentresearch/aboutasrf.php.
ASRF-TVA Partnership for a Sustainable Forum

The Appalachian Student Research Forum is excited to partner with TVA in promoting an environmentally sustainable Forum and fostering environmental education.

The Tennessee Valley Authority (TVA) Act, signed by President Roosevelt in 1933, charged TVA with ensuring the economic, environmental, social and physical wellbeing of the people in the Tennessee Valley service area. TVA’s ongoing stewardship efforts are focused on protecting and improving the Tennessee River watershed region.

Education is one of TVA’s focused areas of interest and the Natural Resources Community Outreach Support Program has supported the ASRF by funding our environmental stewardship and education initiatives. These initiatives include a zero-waste breakfast, a low-waste catered lunch, and two student awards for excellence in a natural resources, environmental science, or sustainability research area. Informative signs will be posted at the Forum to describe and quantify the steps taken to minimize waste and estimate the environmental impact of the low-waste and zero-waste actions. In addition, signage will direct attendees to recycle or compost as much of their food waste as possible, compostable service ware will be used to reduce the amount of packaging that goes to the landfill, and RSVPs were taken to get an accurate lunch count and reduce food waste.

Thank you TVA! And thank you to all participants and attendees for helping us keep our stewardship promise.
# Schedule of Events

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00am-12:45pm &amp; 3:00pm-4:00pm</td>
<td>Research Computing Demos On the Hour</td>
<td>Bays Mtn. Room 125</td>
</tr>
<tr>
<td></td>
<td>RedCAP Data Management On the Half Hour</td>
<td></td>
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<tr>
<td></td>
<td>Amazon Educate/Web Services</td>
<td></td>
</tr>
<tr>
<td>9:00am-2:30pm</td>
<td>Poster Presentations</td>
<td>2nd Floor</td>
</tr>
<tr>
<td></td>
<td>detailed schedule available at:</td>
<td>Ballroom, Clinch Mtn. Rm., 215 Mt. Mitchell Rm. 220, White Top Mtn. Rm. 225</td>
</tr>
<tr>
<td></td>
<td>detailed schedule available at:</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00am-3:30pm</td>
<td>Oral Presentations</td>
<td>1st Floor</td>
</tr>
<tr>
<td></td>
<td>detailed schedule available at:</td>
<td>Auditorium Rms. 137A &amp; 137B, Bays Mtn. Rm. 125, Beech Mtn. Rm. 120, Ripshin Mtn. Rm. 130</td>
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<tr>
<td></td>
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<tr>
<td>12:00pm-1:00pm</td>
<td>Lunch (ticket required)</td>
<td>1st Floor Atrium</td>
</tr>
<tr>
<td>3:00pm-4:00pm</td>
<td>Appalachian Regional Commission</td>
<td>Auditorium Room 137B</td>
</tr>
<tr>
<td></td>
<td>Presentation by Mr. Kostas Skordas</td>
<td></td>
</tr>
<tr>
<td>4:30pm-6:00pm</td>
<td>Keynote Address &amp; Awards Ceremony</td>
<td>Ballroom</td>
</tr>
<tr>
<td></td>
<td>by Dr. Shilpa Buch</td>
<td></td>
</tr>
</tbody>
</table>
Keynote Presentation

Dr. Shilpa Buch

Professor & Vice Chair for Research and Director, NE Center for Substance Abuse Research
Community Pride of Nebraska Professorship of Neuroscience
Department of Pharmacology and Experimental Neuroscience, University of Nebraska Medical Center

Keynote Address Abstract: “HIV and Drug Abuse Go Hand in HAND”

Currently, over 40 million people are living with HIV worldwide. Although combination antiretroviral therapy (cART) has improved the health of millions of those living with HIV, the penetration into the CNS of many such therapies is limited, thereby resulting in residual neurocognitive impairment commonly referred to as NeuroHIV. Additionally, while cART can successfully suppress peripheral viremia, cytotoxicity associated with the presence of viral proteins such as transactivator of transcription (Tat) & the envelope protein gp120 continue to lurk in the lymph nodes & the brain, remains a significant concern. These secretory viral proteins can, in turn, activate glial cells resulting in secretion of a plethora of proinflammatory mediators, thereby contributing to neuroinflammation. Adding further complexity is abuse of drugs such as opiates and cocaine by those infected with HIV, thereby leading, not only to poor cART adherence but also to exacerbation of HIV-associated neuropathology. Our primary research focus is to understand the molecular mechanism(s) by which drugs of abuse, such as cocaine and morphine, co-operate with HIV-1/HIV proteins to enhance the progression of HIV-associated neurological disorders (HAND). Specifically, using multipronged approach comprising of in vitro model systems, complementary rodent models, the higher more relevant macaque model of SIV pathogenesis, and archival human tissue, we dissect the signaling pathways crucial for CNS pathogenesis, that is triggered by the host-virus interplay. More recently, our research is centered on exploring the molecular pathways by which microRNAs, small noncoding RNAs, that shuttle in extracellular vesicle cargos, regulate gene expression and mediate cellular cross-talk. Also, our study demonstrates that HIV proteins &/or drugs of abuse such as cocaine and morphine, activate glial cells (microglia and astrocytes) and pericytes via endoplasmic reticulum stress and dysregulated autophagy leading to ensuing neuroinflammation. Further, our findings also underpin the role of inflammasome signaling in glial activation in the context of both HIV proteins and drug abuse. Work from our group has also shed light on novel therapeutic strategies, such as delivery of platelet-derived growth factor in mitigating neuroinflammation and associated synaptodendritic injury observed in HAND.
Kostas Skordas is the Director of the Division of Planning and Research at the Appalachian Regional Commission (ARC). The ARC is a federal-state partnership whose mission is to build capacity and boost economic growth in Appalachia, with funding in Fiscal Year 2018 of $155 million. Kostas is responsible for the leadership, direction, and management of the Commission's strategic planning, research and evaluation, and transportation-related investments. He supervises a variety of Commission-wide activities including development of the five-year strategic investment plan to guide ARC's annual appropriations, implementation of a $1 million+ annual work plan to research critical issues impacting Appalachia and evaluate the effectiveness of ARC investments, and oversight of the Appalachian Development Highway System, a network of corridors helping connect Appalachia with global markets. Prior to that position Kostas was a regional planner with the ARC, a position he held since 2002. He holds Masters Degrees in Urban and Regional Planning from Virginia Commonwealth University and in Public Administration from George Mason University. His undergraduate degree is from the College of William and Mary.
Thank You ASRF Partners!

Platinum
Tennessee Valley Authority

Silver
ETSU Center for Community Outreach & Applied Research
ETSU Research Foundation
ETSU Office of the Vice Provost of Research

Bronze
Sarstedt Inc.
The Following ETSU Departments/Colleges:

- Appalachian Studies
- Biomedical Sciences
- Center for Nursing Research
- Family Medicine
- Internal Medicine
- Dean of Pharmacy
- VP Health Affairs
- Biological Sciences
- Dean of Business & Technology
- Dean of Education
- Graduate Studies
- Pediatrics
- Dean of Public Health
Thank You ASRF Contributors!

The Following ETSU Departments/Colleges:

- Audiology & Speech Language Pathology
- Biostatistics & Epidemiology
- College of Arts & Sciences
- Community & Behavioral Health
- Computing
- Criminal Justice
- Cross-Disciplinary Studies
- Engineering, Engineering Technology and Surveying
- Environmental Health
- Geosciences
- Health Sciences
- Honors College
- Literature and Language
- Mathematics and Statistics
- McNair Program
- Music
- OB/GYN
- Pharmaceutical Sciences
- Pharmacy Practice
- Philosophy & Humanities
- Physics and Astronomy
- Sociology & Anthropology
- Surgery

Special Thanks to:

ETSU Department of Sustainability EcoNuts

McNair Program Students: Malikai Bass, Daisy Hernandez, Nikole Kerns, Pearl McCuistion, Garrett Morelock, Rachael Sneed, Candace Seymore

Student Employees: Shayna Cole, Christopher Phalen, Delisa Sanders, Sarah Eileen Simpson

Office of Research & Sponsored Programs’ Staff: Ms. Angela Clark, Ms. Cynthia Hardin, Mr. Morgan Taylor
We gratefully acknowledge the following faculty and staff for giving their time and expertise to serve as ASRF Judges.

Arsham Alamian
Courtney Andrews
Saba Aziz
Katie Baker
Kate Beatty
Eric Beaumont
Julia Bernard
Greg Bishop
Patrick Bradshaw
Stacy Brown
Russell Brown
David Bumgarner
Mike Burford
Evan Butts
Kanishka Chakraborty
Donna Cherry
Alyson Chroust
Andrea Clements
Ivy Click
Charles Collins
Suman Dalal
Heather Dye
Myra Elder
Eileen Ernenwein
Ruth Facun-Granadozo
Felipe Fiuza
Rebecca Fletcher
Allan Forsman
Cerrone Foster
Sean Fox
Chad Frasier
Stephen Geraci
Jennifer Hall
Kent Hjerpe
Jennifer Hunt
Michelle Hurley
Cuihong Jia
Yong Jiang
Leigh Johnson
Aruna Kilaru
Ying Li
Mary Ann Littleton
Greta Marek
Stephanie Mathis
Catherine McCusker
Tamra McKenzie
Hua Mei
Darrell Moore
Arpita Nandi
Shunbin Ning
Lisa Ousley
Patsy Pampkin
Jonathan Peterson
Brooks Pond
Kerry Proctor-Williams
Lee Ridner
Diego Rodriguez Gil
Alex Sarasyarakat
Phillip Scheuerman
Dane Scott
Eric Sellers
Darshan Shah
Abbas Shilabin
Sanjay Singh
Mike Smith
Amanda Stoltz
Doug Thewke
William Tollefson
Carol Trivette
Mohammad Uddin
Valentin Yakubenko
Kilaru Aruna
Michelle Chandley
William R. Duncan
Emily Flores
Gary Henson
Qian Xie
Susan Epps
ASRF Advisory Committee

Dr. Aruna Kilaru, Chair
Associate Professor of Biological Sciences
Dr. Candace Bright, Vice Chair
Assistant Professor of Sociology

John Bossaer
Asst. Professor, Pharmacy Practice

Richard Ignace
Professor, Physics and Astronomy

Brooks Pond
Assoc. Professor, Pharmaceutical Sciences

William R. Duncan
Vice Provost for Research

Cuihong Jia
Asst. Professor, Biomedical Sciences

Victoria Pope
Asst. Professor, Nursing Graduate Programs

Wendy Eckert
Director, Research & Sponsored Programs

Ying Li
Asst. Professor, Environmental Health

Ashley Sergiadis
Asst. Professor, Library Administration

Ruth Facun-Granadozo
Asst. Professor, Early Childhood Education

Ingrid Luffman
Asst. Professor, Geosciences

Joseph Shrestha
Asst. Professor, Engineering, Engineering Technology and Surveying

Retha Gentry
Asst. Professor, Nursing Graduate Programs

Abigail Mann
Asst. Professor, Family Medicine

Christopher Wallace
Asst. Professor, Computing

Sharon McGee
Dean, School of Graduate Studies

Advisory Committee Administrative Support:
Camille Cassella and Lindsay Keitzer, Research & Sponsored Programs
Appendix A: Oral Presentation Schedule

Location, Subject Area, Presenter Class & Time :: Presenter Name, Link to Abstract, Presentation Title

AUDITORIUM ROOM 137A

Healthcare

Graduate Student-Doctoral

9:00 AM - 9:15 AM  Bailey, Sam
https://dc.etsu.edu/asrf/2019/schedule/230
Patient Choice to Opt-In or Opt-Out of Telephonic Health-Related Social Need Navigation Program

9:20 AM - 9:35 AM  Nwabueze, Christian
https://dc.etsu.edu/asrf/2019/schedule/99
Gender Differences in Early Alcohol, Drug and Tobacco Use with Anxiety in US Adults

9:40 AM - 9:55 AM  Ozodiegwu, Ifeoma
https://dc.etsu.edu/asrf/2019/schedule/232
A Qualitative Research Synthesis of Contextual Factors Contributing To Female Overweight and Obesity over the Life Course in Sub-Saharan Africa

10:00 AM - 10:15 AM  Peluso, Anthony
https://dc.etsu.edu/asrf/2019/schedule/184
Women In Need of Publicly Funded Contraceptive Services in South Carolina: A County-Level Investigation

Graduate Student-Master's

10:20 AM - 10:35 AM  Dolson, Robyn
https://dc.etsu.edu/asrf/2019/schedule/124
Pocket Ace: Neglect of Child Sexual Abuse Survivors in the ACE Study Questionnaire

10:40 AM - 10:55 AM  Fabrize, Lauren
https://dc.etsu.edu/asrf/2019/schedule/100
Neonatal Intensive Care Unit Speech-Language Pathologists' Perceptions of Infants with Neonatal Abstinence Syndrome
Auditorium Room 137A continued

11:00 AM - 11:15 AM Oosedeme, Fenose
https://dc.etsu.edu/asrf/2019/schedule/18
Tobacco Policy Findings from a Community-Based Capacity Assessment Used to Develop a Population Health Improvement Plan for Tobacco Control in Appalachian Tennessee.

11:20 AM - 11:35 AM Spaulding, Aleigha
https://dc.etsu.edu/asrf/2019/schedule/35
Analysis of Birth Rate and Predictors Using Linear Regression Model and Propensity Score Matching Method

11:40 AM - 11:55 AM Barbee, Jessica
https://dc.etsu.edu/asrf/2019/schedule/3
National and Tennessee Trends in BMI Percentile, Obesity, and Overweight Rates Among Youth Using YRBSS Data 1999-2017

Chemical, Physical & Engineering Sciences

Graduate Student-Master's

1:00 PM - 1:15 PM Ogbu, Chidiebere
https://dc.etsu.edu/asrf/2019/schedule/93
Peroxide Sensing Using Nitrogen-Doped Screen-Printed Carbon Electrodes

1:20 PM - 1:35 PM Ametsetor, Ebenezer
https://dc.etsu.edu/asrf/2019/schedule/170
"Hydroxytyrosol Derivatives: Synthesis and Biomedical Assessment"

1:40 PM - 1:55 PM Mawudoku, Daniel
https://dc.etsu.edu/asrf/2019/schedule/106
Immobilization of Electrocatalytically Active Gold Nanoparticles on Nitrogen-Doped Carbon Fiber Electrodes

2:00 PM - 2:15 PM Omadoko, Ovuokenye
https://dc.etsu.edu/asrf/2019/schedule/171
Simple Photochemical Reduction of Carbon Dioxide to Formate

2:20 PM - 2:35 PM Nanto, Darack
https://dc.etsu.edu/asrf/2019/schedule/219
The Eco-Smart Can
**Auditorium Room 137A continued**

2:40 PM - 2:55 PM  
Fatunwase, Akintayo  
https://dc.etsu.edu/asrf/2019/schedule/1  
Simple Pretreatment of Arundo Donax and Enzymatic Conversion of Cellulosic Materials to Glucose

**AUDITORIUM ROOM 137B**

**Social Sciences**

**Graduate Student-Doctoral**

9:00 AM - 9:15 AM  
Altschuler, Rebecca  
https://dc.etsu.edu/asrf/2019/schedule/208  
Anxiety Mediates the Relationship between Sexual Trauma Stigma and Somatic Health Complaints

9:20 AM - 9:35 AM  
Carpenter, Rachel  
https://dc.etsu.edu/asrf/2019/schedule/158  
Domestic Violence Survivor-Offender Relationship is Related to Type of Abuse Sustained

9:40 AM - 9:55 AM  
Dreves, Parker  
https://dc.etsu.edu/asrf/2019/schedule/229  
An Investigation into the Structure of Self-Control

10:00 AM - 10:15 AM  
Eisenbrandt, Lydia  
https://dc.etsu.edu/asrf/2019/schedule/98  
Are Risky Behaviors and Substance Use Higher Among Adolescence with Externalizing Disorders?

10:20 AM - 10:35 AM  
Gretak, Alyssa  
https://dc.etsu.edu/asrf/2019/schedule/178  
Effective Practices to Facilitate Rural Reentry: A Policy Analysis

10:40 AM - 10:55 AM  
Najm, Julia  
https://dc.etsu.edu/asrf/2019/schedule/169  
ACEs, Emotional Socialization, and Substance Use: A Moderator Model
**Auditorium Room 137B continued**

**Graduate Student-Master's**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
<th>URL</th>
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<tbody>
<tr>
<td>1:00 PM - 1:15 PM</td>
<td>Charles, Amelia</td>
<td>Building Allies Who Are Informed and Engaged</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/31">https://dc.etsu.edu/asrf/2019/schedule/31</a></td>
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<tr>
<td>1:20 PM - 1:35 PM</td>
<td>Miller, Julian</td>
<td>Tragic Optimism and Universal Values: Reframing the Narrative of Poverty in Central West Virginia</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/174">https://dc.etsu.edu/asrf/2019/schedule/174</a></td>
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<tr>
<td>2:00 PM - 2:15 PM</td>
<td>Pugh, Kelley</td>
<td>Religious Attendance, Surrender to God, and Suicide Risk: Mediating Pathways of Feeling Forgiven by God and Psychopathology</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/151">https://dc.etsu.edu/asrf/2019/schedule/151</a></td>
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<td>2:20 PM - 2:35 PM</td>
<td>Ventura, Liane</td>
<td>What About Food? Food Insecurity Screening in the Clinical Setting</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/155">https://dc.etsu.edu/asrf/2019/schedule/155</a></td>
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**BAYS MTN. ROOM 125**

**Natural Resources & Environmental Sciences**

**Graduate Student-Master's**

<table>
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<th>Time</th>
<th>Speaker</th>
<th>Title</th>
<th>URL</th>
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<tbody>
<tr>
<td>1:00 PM - 1:15 PM</td>
<td>Bledsoe, April</td>
<td>Ecological Niche Modeling and Sustainable Agroforestry: Climate Change Mitigation for Guatemalan Coffee</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/70">https://dc.etsu.edu/asrf/2019/schedule/70</a></td>
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<tr>
<td>1:20 PM - 1:35 PM</td>
<td>Bogner, Emily</td>
<td>Differentiating Black Bears (Ursus americanus) and Brown Bears (Ursus arctos) Geographically Using Linear Measurements of Teeth and Identification of Ursids from Oregon Caves National Monument</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/39">https://dc.etsu.edu/asrf/2019/schedule/39</a></td>
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</tbody>
</table>
**Bays Mtn. Room 125 continued**

1:40 PM - 1:55 PM  
Mosher, Danika  
https://dc.etsu.edu/asrf/2019/schedule/73  
Interpreting Paleoclimate and Species Distributions of Red Spruce and Fraser Firs in the Southern Appalachians to Predict Impacts of Climate Change on Forest Habitats

2:00 PM - 2:15 PM  
Poczobut, Elizabeth  
https://dc.etsu.edu/asrf/2019/schedule/9  
Where the Feral Things Are: An Analysis of how the USDA and Department of the Interior’s Agencies Manage Feral Hogs, Horses, and Burros

2:20 PM - 2:35 PM  
Schap, Julia  
https://dc.etsu.edu/asrf/2019/schedule/57  
Ecometric Estimation of Present and Past Climate of North America Using Crown Heights of Rodents and Lagomorphs: With Application to the Middle Miocene Climatic Optimum

**BEECH MTN. ROOM 120**

**Medicine & Diseases**

**Graduate Student-Doctoral**

9:00 AM - 9:15 AM  
Alkhateeb, Tuqa  
https://dc.etsu.edu/asrf/2019/schedule/217  
S100A9 Sustains Myeloid-Derived Suppressor Expansion and Immunosuppression During Chronic Murine Sepsis

9:20 AM - 9:35 AM  
Chapman, Rudy  
https://dc.etsu.edu/asrf/2019/schedule/103  
Engulfment of Axonal Debris After Methimazole-Induced Injury

9:40 AM - 9:55 AM  
Berry, Amy  
https://dc.etsu.edu/asrf/2019/schedule/109  
Estrogen Receptors Affect Chlamydia muridarum Infection in Mice

10:00 AM - 10:15 AM  
Gill, W. Drew  
https://dc.etsu.edu/asrf/2019/schedule/236  
The Effects of an Adenosine A(2A) Agonist on the Rewarding Associative Properties of Nicotine and Neural Plasticity in a Rodent Model of Schizophrenia
**Beech Mtn. Room 120 continued**

10:20 AM - 10:35 AM  
Malone, Hannah  
https://dc.etsu.edu/asrf/2019/schedule/224  
Therapeutic Potential of FAK Inhibitor After Stroke in Neuroprotection and Neurogenesis

**Pharmacy Student**

10:40 AM - 10:55 AM  
McWethy, David  
https://dc.etsu.edu/asrf/2019/schedule/16  
Dopamine Cell Loss within the Nigrostriatal Pathway Due to Oxidative Stress from Chronic Methylphenidate

**Medical Student**

11:00 AM - 11:15 AM  
Turner, Emmitt  
https://dc.etsu.edu/asrf/2019/schedule/46  
Perinatal Outcomes of Marijuana use on Opioid Exposed Pregnancy

11:20 AM - 11:35 AM  
Maeng, Jae  
https://dc.etsu.edu/asrf/2019/schedule/191  
Cardiovirology Clinic for Primary Prevention in HIV Patients: a Quality Improvement Assessment

**Chemical, Physical & Engineering Sciences**

**Graduate Student-Master's**

1:00 PM - 1:15 PM  
Adesina, Olumide  
https://dc.etsu.edu/asrf/2019/schedule/143  
Purification of Cyclohexene for Cyclopropanation Reactions

1:20 PM - 1:35 PM  
Olukanni, Ayobami  
https://dc.etsu.edu/asrf/2019/schedule/135  
Purification of Ethyl Diazoacetate by Vacuum Distillation for use in Cyclopropanation Reactions

1:40 PM - 1:55 PM  
Dada, Samson  
https://dc.etsu.edu/asrf/2019/schedule/19  
Theranostic Nanoparticles for Simultaneous Detection and Treatment of Cancer
**Beech Mtn. Room 120 continued**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>2:00 PM - 2:15 PM</td>
<td>Kalu, Chimdi</td>
<td>Synthesis and Evaluation of 1,2,4-Oxadiazolidinones: The Search for Potential non-β-lactam β-lactamase Inhibitors.</td>
</tr>
<tr>
<td>2:20 PM - 2:35 PM</td>
<td>Kuvayskaya, Anastasia</td>
<td>Synthesis of Long-chain Alkylbenzenes on Superacidic Catalysts Containing Embedded Phosphotungstic Acid</td>
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**RIPSHIN MTN. ROOM 130**

**Medicine & Diseases**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>9:00 AM - 9:15 AM</td>
<td>Famojuro, Oluwaseun</td>
<td>Patient Outcome from Nontraditional Motorized Vehicle Accidents</td>
</tr>
<tr>
<td>9:20 AM - 9:35 AM</td>
<td>Shelton, Heath</td>
<td>The Effect of Two Novel Anti-Inflammatory Drugs on Sensorimotor Gating and Microglial Activation in the Poly I:C Rodent Model of Schizophrenia</td>
</tr>
<tr>
<td>9:40 AM - 9:55 AM</td>
<td>Fokuoh, Evelyn</td>
<td>A Linear Mixed Model Analysis of the APOE4 Gene with the Logical Memory Test Total Score in Alzheimer’s</td>
</tr>
<tr>
<td>10:00 AM - 10:15 AM</td>
<td>Oke, Adekunle</td>
<td>Demographic Data of Patients seen in a Medical Genetics Clinic for Autism Spectrum Disorders (ASD) as Part of an Ongoing Study on “Genetic Variations in ASD”.</td>
</tr>
</tbody>
</table>
Ripshin Mtn. Room 130 continued

10:20 AM - 10:35 AM  Uyamasi, Kido
https://dc.etsu.edu/asrf/2019/schedule/28
Family Size and Risk of Juvenile Idiopathic Arthritis: A Cross-Sectional Study

10:40 AM - 10:55 AM  Odebunmi, Olufeyisayo
https://dc.etsu.edu/asrf/2019/schedule/22
Identifying Multiple Risk Factors of Hypertension for Reducing the Prevalence of Peripheral Arterial Disease in Rural Central Appalachia

11:00 AM - 11:15 AM  Onatolu, Busayo
https://dc.etsu.edu/asrf/2019/schedule/23
Association of Age, Gender and Race in Chronic Kidney Disease Patients with and without Dialysis

11:20 AM - 11:35 AM  Mokikan, Moboni
https://dc.etsu.edu/asrf/2019/schedule/60
The Influence of Diabetes on Peripheral Arterial Disease Comorbidities in the Central Appalachian Region Between 2008 and 2018.

11:40 AM - 11:55 AM  Fasanmi, Oluwafisayo
https://dc.etsu.edu/asrf/2019/schedule/83
The Unique Interplay of Peripartum Cardiomyopathy and Preeclampsia in an Appalachian Obstetric Patient.

Biological Sciences

Graduate Student-Doctoral

1:00 PM - 1:15 PM  Behera, Jyoti Ranjan - Non-Competitive
https://dc.etsu.edu/asrf/2019/schedule/10
Comparative In Silico Analysis of WRINKLED 1 Paralogs in Angiosperms

1:20 PM - 1:35 PM  Haq, Imdadul - Non-Competitive
https://dc.etsu.edu/asrf/2019/schedule/6
Fatty Acid Amide Hydrolase Mediated Endocannabinoid Signaling in an Early Land Plant, Physcomitrella patens
**Ripshin Mtn. Room 130 continued**

<table>
<thead>
<tr>
<th>Time</th>
<th>Name</th>
<th>Title</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:40 PM - 1:55 PM</td>
<td>Barker, Daniel</td>
<td>Congruence and Within-season Variation in Floral Visitation and Pollen Transport Networks in Southern Appalachia Plant-pollinator Communities</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/227">https://dc.etsu.edu/asrf/2019/schedule/227</a></td>
</tr>
<tr>
<td>2:00 PM - 2:15 PM</td>
<td>Hasan, Rajib</td>
<td>Does Thermo-tolerance in Daphnia Depend on the Mitochondrial Function?</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/7">https://dc.etsu.edu/asrf/2019/schedule/7</a></td>
</tr>
<tr>
<td>2:20 PM - 2:35 PM</td>
<td>Osborne, Caudill</td>
<td>A Comparison of the HGM Approach to the RBP Method of Evaluating Reconstructed Streams on Surface Coal Mines</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/176">https://dc.etsu.edu/asrf/2019/schedule/176</a></td>
</tr>
</tbody>
</table>
Appendix B: Poster Presentation Schedule

Location :: Subject Area, Presenter Class and Name, Link to Abstract and Presentation Title

**BALLROOM ROOM 237**

**Arts & Humanities**

Undergraduate Students

Bass, Malikai

https://dc.etsu.edu/asrf/2019/schedule/203

*Boys Like Me: Neurodivergence in the Young Adult Novel*

Sneed, Rachael

https://dc.etsu.edu/asrf/2019/schedule/29

*Strangers in a Strange Land: A Study of the Religious and Cultural Identity of the Kindertransport Children*

**Biological Sciences**

Graduate Students - Master’s

Crain, Shae

https://dc.etsu.edu/asrf/2019/schedule/5

*Average Free-Running Period in Spider (Frontinella communis) Peaks and Desynchronizes Throughout its Active Season*

Gause, Austin

https://dc.etsu.edu/asrf/2019/schedule/199

*Geometric Morphometric Analysis of Intervertebral Variation in Colubrid Snakes*

Inabinett, Matthew

https://dc.etsu.edu/asrf/2019/schedule/142

*Chronological and Paleobiological Controls on the Expression of Mastodon (Proboscidea, Mammutidae) Mandibular Tusks in North America*

Jessee, Lance

https://dc.etsu.edu/asrf/2019/schedule/95

*Intervertebral Variation of North American Pit Vipers (Squamata, Viperidae) Using Geometric Morphometrics*
Peery, Ronald
https://dc.etsu.edu/asrf/2019/schedule/202
Musteline (Mustelidae) fossil remains from the Early Pliocene Gray Fossil Site of Tennessee: the first pre-Pleistocene record of weasels in the Eastern United States

Ragsdale, Raven
https://dc.etsu.edu/asrf/2019/schedule/140
Circadian Resonance And Entrainment In Three Spider Species (Frontinella Communis, Metazygia Wittfeldae, And Cyclosa Turbinata)

Sellick, Katelyn
https://dc.etsu.edu/asrf/2019/schedule/113
A Possible Lux R Solo Type Regulator Of An Antibiotic-Like Compound From The Soil Bacterium Rhodococcus

Steele, Rebecca
https://dc.etsu.edu/asrf/2019/schedule/198
Chronoecology of the Cave Dwelling Orb-Weaver Spider, Meta ovalis (Araneae: Tetragnathidae)

**Graduate Students-Doctoral**

Birchfield, Aaron
https://dc.etsu.edu/asrf/2019/schedule/175
Crystallization of a Flavonol-Specific 3-O Glucosyltransferase and Site-Directed Mutants from Grapefruit

Miller, Madeleine
https://dc.etsu.edu/asrf/2019/schedule/173
Lights, Clock, Action! Circadian Rhythms of Locomotor Activity in Larinioides cornutus Indicate Extreme Flexibility in Photo-entrainment

Wingard, Mary
https://dc.etsu.edu/asrf/2019/schedule/54
Ataxia-Telangiectasia Mutated Kinase Deficiency Alters the Autophagic Response During Chronic Myocardial Infarction

**Undergraduate Students**

Abens, Ryan
https://dc.etsu.edu/asrf/2019/schedule/2
Gene Expression of Cytokines and Oxidative Stress Markers in CTRP3 Transgenic Mice with Chronic Ethanol Exposure
<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reburying a Mastodon: A Digitization Workflow for Vertebrate Paleontological Spatial Data</td>
<td>Bushell, Matthew</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/189">https://dc.etsu.edu/asrf/2019/schedule/189</a></td>
</tr>
<tr>
<td>The Effects of Simulated Space Flight on Ovarian Tissue</td>
<td>Cavin, Kaylyn</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/115">https://dc.etsu.edu/asrf/2019/schedule/115</a></td>
</tr>
<tr>
<td>The Effects of Simulated Spaceflight Conditions on the Myometrium of the Mouse Uterus</td>
<td>Elgazzar, Ahmed</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/92">https://dc.etsu.edu/asrf/2019/schedule/92</a></td>
</tr>
<tr>
<td>Developing a C. elegans Co-infection Model for Assessing Bacterial-Fungal Interactions</td>
<td>Foster, Dylan</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/128">https://dc.etsu.edu/asrf/2019/schedule/128</a></td>
</tr>
<tr>
<td>Effects of Non-photic Zeitgebers on the Circadian Clock in the Common House Spider, Parasteatoda tepidariorum</td>
<td>Garmany, Mattea</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/149">https://dc.etsu.edu/asrf/2019/schedule/149</a></td>
</tr>
<tr>
<td>The Role of CTRP3 in Preventing Testicular Lesions in an Alcoholic Mouse Model</td>
<td>Goebel, Carleigh</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/78">https://dc.etsu.edu/asrf/2019/schedule/78</a></td>
</tr>
<tr>
<td>Aging And Kinase Kinetics Of Y77E11.A And Y17G7B.10 In C. Elegans</td>
<td>Goodlaxson, Jacob</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/40">https://dc.etsu.edu/asrf/2019/schedule/40</a></td>
</tr>
<tr>
<td>A New Genus Of Desmognathan Salamander (Plethodontidae) From The Early Pliocene Gray Fossil Site Of Northeast Tennessee</td>
<td>James, Caytlin</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/104">https://dc.etsu.edu/asrf/2019/schedule/104</a></td>
</tr>
<tr>
<td>Lack of Osteopontin Decreases Systolic and Diastolic Functional Parameters of the Heart Following Myocardial Ischemia/Reperfusion Injury</td>
<td>Gunnin, R.</td>
<td><a href="https://dc.etsu.edu/asrf/2019/schedule/65">https://dc.etsu.edu/asrf/2019/schedule/65</a></td>
</tr>
</tbody>
</table>
Kosky, Madison
https://dc.etsu.edu/asrf/2019/schedule/110
Alcohol Enhances Economic Demand For Nicotine In Rats Selectively Bred For Alcohol Preference.

Majors, Chloe
https://dc.etsu.edu/asrf/2019/schedule/119
Nicotine-Enhanced Sign Tracking Results In Greater Cocaine Demand In Rats Using A Behavior Economic Analysis Approach.

McHale, Leah
https://dc.etsu.edu/asrf/2019/schedule/177
A Novel Compound to Combat Invasive Staphylococcal Species in Human and Animal Medicine & Diseases

Rauhuff, Hannah
https://dc.etsu.edu/asrf/2019/schedule/152
The Effects of a Novel Anti-inflammatory on Behavioral Tests of Cognition and Anxiety in a Mouse Model of Alzheimer's Disease

Root, Callie
https://dc.etsu.edu/asrf/2019/schedule/206
Food Intake and Body Weight Gain in Male and Female Mice

Scott, Kyla
https://dc.etsu.edu/asrf/2019/schedule/42
Short-Chain Fatty Acid Profiles for Mouse Models of Autism Spectrum Disorder

Shields, Andrew
https://dc.etsu.edu/asrf/2019/schedule/4
Anticipation vs. Opportunism: A Test Of An Ecological Hypothesis Regarding The Diel Distribution Of Locomotor Activity In Spiders.

**Chemical Sciences**

**Graduate Students - Master's**

Afolaju, Wasiu
https://dc.etsu.edu/asrf/2019/schedule/52
Dada, Samson
https://dc.etsu.edu/asrf/2019/schedule/13
Theranostic Nanoparticles for Simultaneous Detection and Treatment of Cancer

Fatunwase, Akintayo
https://dc.etsu.edu/asrf/2019/schedule/163
Simple Pretreatment of Arundo Donax and Enzymatic Hydrolysis of Cellulosic Materials

Fobi, Kwabena
https://dc.etsu.edu/asrf/2019/schedule/188
Extraction, Purification, and Characterization of Radioprotective Agent gamma-Tocotrienol Isomer in Palm Oil

Kuvayskaya, Anastasia
https://dc.etsu.edu/asrf/2019/schedule/162
Use of Suzuki Coupling Reaction for Synthesis of Functionalized Materials

Oladiran, Oladun
https://dc.etsu.edu/asrf/2019/schedule/186
Computational Studies of the Spin Trapping Behavior of Melatonin and its Derivatives

Pharmacy Students
Archibald, Timothy
https://dc.etsu.edu/asrf/2019/schedule/161
One Year Monitoring Of Potency Change In Commercial Ibuprofen Products Stored In A Household Setting Exposed To Normal Day-To-Day Temperature And Humidity Fluctuations

Jackson, Remonica
https://dc.etsu.edu/asrf/2019/schedule/238
Development and validation of a liquid chromatography-tandem mass spectrometric method for quantification of nicotine in e-cigarette liquids

Undergraduate Students
Delsorbo, Carter
https://dc.etsu.edu/asrf/2019/schedule/156
Ruthenium Compounds for Photodynamic Chemotherapeutics and Solar Fuel Generation

Peters, Jeffery
https://dc.etsu.edu/asrf/2019/schedule/117
Effects of Nicotinamide Riboside and Beta-Hydroxybutyrate on C. elegans Lifespan
**Education**

**Graduate Students - Master’s**
Ballone, Haley
https://dc.etsu.edu/asrf/2019/schedule/226
*Listener Attitudes Towards Individuals with Voice Disorders*

**Engineering & Technology**

**Graduate Students - Master’s**
Nanto, Darack
https://dc.etsu.edu/asrf/2019/schedule/185
*The Eco-Smart Can*

**Undergraduate Students**

Gillenwater, Jacob
https://dc.etsu.edu/asrf/2019/schedule/27
*Combining Fitts’s Law with Angular Size*

**Healthcare**

**Graduate Students-Doctoral**

Aula, Mercy
https://dc.etsu.edu/asrf/2019/schedule/150
*Evaluation of Tomato Farmworker Ergonomics using Electromyography*

Bailey, Sam
https://dc.etsu.edu/asrf/2019/schedule/148
*Patient Choice to Opt-In or Opt-Out of Telephonic Health-Related Social Need Navigation Program*

Chan, Adam
https://dc.etsu.edu/asrf/2019/schedule/72
*Medical Student Burnout in a Small-Sized Medical School*

Davenport, Brandy
https://dc.etsu.edu/asrf/2019/schedule/63
*Public Knowledge and Opinions on Differences Between Hearing Professionals*
Elangovan, Saravanan
https://dc.etsu.edu/asrf/2019/schedule/164
Examining the Effectiveness of Training Protocols of Universal Newborn Hearing Screeners in the Appalachia region of the United States

Gagnon, Kristy
https://dc.etsu.edu/asrf/2019/schedule/88
Perceptions of Community-dwelling Patients and Caregivers of Patient-Centered Care in Central Appalachia: An Exploratory Study

Griffin, Cayce
https://dc.etsu.edu/asrf/2019/schedule/181
Comparisons of the VA and Auditec Versions of NU-6 on Older Listeners with SNHL

Kerrins, Ryan
https://dc.etsu.edu/asrf/2019/schedule/12
Screening, Brief Intervention and Referral to Treatment (SBIRT): Process Improvement in a Nurse-Managed Clinic Serving the Homeless

McCartt, Paezha
https://dc.etsu.edu/asrf/2019/schedule/131
The Effects of the Patient-Provider Interaction During Contraceptive Counseling on the Satisfaction with and Confidence Using the Selected Birth Control Method Among Southern Women

Menozi, Lucia
https://dc.etsu.edu/asrf/2019/schedule/237
Objective Measurement of Cognitive Systems During Effortful Listening

Nwabueze, Christian
https://dc.etsu.edu/asrf/2019/schedule/134
Association Between Substance Use And Weapon-Related Injuries Among Middle And High School Students In The United States

Okwori, Glory
https://dc.etsu.edu/asrf/2019/schedule/130
Geographic Differences in Contraception Access and Utilization Within Family Planning Organizations in South Carolina

Pettyjohn, Samuel
https://dc.etsu.edu/asrf/2019/schedule/24
Generational Differences in Support for Syringe Service Programs in Tennessee
Ratliff, Brady
https://dc.etsu.edu/asrf/2019/schedule/33
Count It! Lock It! Drop It!: A Descriptive Analysis Of The Intentions And Behaviors Of College Students

**Medicine & Diseases**

**Graduate Students - Master's**
Awujoola, Adeola
https://dc.etsu.edu/asrf/2019/schedule/80
Association Between Multiple Cardiovascular Comorbidities And The Prevalence Of Heart Attack Among Peripheral Arterial Disease Patients In Rural Central Appalachia.

Fain, Misty
https://dc.etsu.edu/asrf/2019/schedule/43
NTRK2 Gene Expression Levels in Laser Captured Glutamatergic Neurons From Animal Models of Social Behavior Deficits

Horstman, Emily
https://dc.etsu.edu/asrf/2019/schedule/195
Infants with Neonatal Abstinence Syndrome: Who Receives SLP Services in the NICU?

Mokikan, Moboni
https://dc.etsu.edu/asrf/2019/schedule/71
The Influence Of Diabetes On Peripheral Arterial Disease Comorbidities In The Central Appalachian Region Between 2008 And 2018.

Odebunmi, Olufeyisayo
https://dc.etsu.edu/asrf/2019/schedule/221
Identifying Multiple Risk Factors of Hypertension For Reducing The Prevalence of Peripheral Arterial Disease in Rural Central Appalachia

**Graduate Students-Doctoral**
Alkhateeb, Tuqa
https://dc.etsu.edu/asrf/2019/schedule/187
S100A9 Sustains Myeloid-Derived Suppressor Expansion and Immunosuppression During Chronic Murine Sepsis
Cui, Kui
https://dc.etsu.edu/asrf/2019/schedule/210
The Prevention Of Adβ2-Mediated Macrophage Adhesion To Inflamed Extracellular Matrix Thwarts Macrophage Retention During Chronic Inflammation

Pharmacy Students
Lawson, Sarah
https://dc.etsu.edu/asrf/2019/schedule/121
Quantification of Acetylcholine Release from Splenocytes for Exploration of the Cholinergic Anti-Inflammatory Pathway

Natural Resources & Environmental Sciences

Graduate Students - Master's
Bledsoe, April
https://dc.etsu.edu/asrf/2019/schedule/64
Ecological Niche Modeling and Sustainable Agroforestry: Climate Change Mitigation for Guatemalan Coffee
Mosher, Danika
https://dc.etsu.edu/asrf/2019/schedule/30
Analyzing Winter Weather and Climate Trends of the Ski Resorts in North Carolina Through the Use of Community Collaborative Rain, Hail & Snow Network (CoCoRaHS) Stations

Undergraduate Students
Southerland, Megan
https://dc.etsu.edu/asrf/2019/schedule/69
The Distribution and Diversity of Plethodontid Salamanders in Southern Greene County, Tennessee

Physical Science

Graduate Students - Master's
Kruske, Montana
https://dc.etsu.edu/asrf/2019/schedule/74
Paleochannel Or Palisade? Preliminary Geophysical Investigations Of A Linear Feature At The Runion Archaeological Site, Washington County, Tennessee
Undergraduate Students
Cox, Isaiah
https://dc.etsu.edu/asrf/2019/schedule/105
EDGES: Radial Star Formation Histories in Nearby Galaxies NGC4102 and UGC07608

Jones, Mark
https://dc.etsu.edu/asrf/2019/schedule/166
Detached Tidal Dwarf Galaxies

Wagstaff, Peter
https://dc.etsu.edu/asrf/2019/schedule/165
Spatial Extent of Diffuse X-Ray Emitting Regions in Major Merging Galaxies

Social Sciences

Graduate Students - Master's
Altier, Heather
https://dc.etsu.edu/asrf/2019/schedule/107
Positive Future Time Perspective, PTSD, and Insomnia in Veterans: Do Anger and Shame Keep You Awake?

Ogden, Mitchell
https://dc.etsu.edu/asrf/2019/schedule/138
Observing Clusters and Point Densities in Johnson City, TN Crime Using Nearest Neighbor Hierarchical Clustering and Kernel Density Estimation

Tatro, Kathleen
https://dc.etsu.edu/asrf/2019/schedule/231
Quality of Life as a Protective Factor Against Substance Misuse Among Adults with a History of Adverse Childhood Experiences (ACEs)

Treaster, Morgan
https://dc.etsu.edu/asrf/2019/schedule/146
“I Forgive Myself and God:” Coping and Distress Among Parents of Children with Disabilities

Graduate Students-Doctoral
Barnet, Joseph
https://dc.etsu.edu/asrf/2019/schedule/85
Surrender to God Predicts Lower Levels of Substance Use Addiction
Clingensmith, Rachel  
https://dc.etsu.edu/asrf/2019/schedule/172  
*We All Need Somebody to Lean on: Social Support as a Protective Factor for Individuals with Childhood Adversity*

Gimlin, April  
https://dc.etsu.edu/asrf/2019/schedule/218  
*Exploring Faculty and Students' Attitudes About Consensual Sexual Relationships and Sexual Harassment on College Campuses*

Hall, Benjamin  
https://dc.etsu.edu/asrf/2019/schedule/26  
*Negative Religious Coping and Alcohol Misuse: Forgiveness and Humility among Religious Believers and Non-Believers*

**Undergraduate Students**

Barker, Morgan  
https://dc.etsu.edu/asrf/2019/schedule/87  
*Association Between Time Trying to Conceive and Self-Perceptions of Female Infertility*

Bishop, Kaelyn  
https://dc.etsu.edu/asrf/2019/schedule/220  
*Changes in Familiarity of Service Providers with Trauma Informed Care Over Time*

Bosse, Samantha  
https://dc.etsu.edu/asrf/2019/schedule/116  
*How Emotional Body Expressions Direct an Infant's First Look*

Brady, Emily  
https://dc.etsu.edu/asrf/2019/schedule/157  
*Physical Abuse in Pregnant Appalachian Mothers: Associations with Religious Values and Forgiveness*

Canini, Mariacristina  
https://dc.etsu.edu/asrf/2019/schedule/145  
*Investigating the EEG Error-Related Negativity in College Students with ADHD, Anxiety, and Depression*

Clark, Emily  
https://dc.etsu.edu/asrf/2019/schedule/144  
*Anticipated Stigma and Anxiety Symptoms: Does Concealment of Sexual Orientation Moderate this Relationship?*
Heineken, Kayla
https://dc.etsu.edu/asrf/2019/schedule/112
Mindfulness and Religiosity/Spirituality as Protecting Factors for Internalizing Symptoms Associated with Adverse Childhood Experiences: A Moderated Moderation Model

Hernandez, Daisy
https://dc.etsu.edu/asrf/2019/schedule/214
Let's get Personal: The Relationship between Rejection Sensitivity, True Self, and Self-Disclosure in Online Environments

Hillhouse, Linden
https://dc.etsu.edu/asrf/2019/schedule/84
Data Quality: Does Time of Semester Matter?

Jones, Matthew
https://dc.etsu.edu/asrf/2019/schedule/127
Comparing Political Campaigns with Respect to Gender: The 2016 Senatorial Election Cycle

Manis, Hannah
https://dc.etsu.edu/asrf/2019/schedule/61
Relationship Between Joint Attention and Language in Multiparous and Uniparous Households

Meek, Rachel
https://dc.etsu.edu/asrf/2019/schedule/179
Psychache and Suicide Risk in the LGBTQ Community: Considering the Role of Time Perspective

Seymore, Candice
https://dc.etsu.edu/asrf/2019/schedule/48
Affect Intensity, Drug Motivations, And Polysubstance Use

Simerly, Gabriel
https://dc.etsu.edu/asrf/2019/schedule/193
Effects of Self-Care on Undergraduate Stress

Sluss, Tayla
https://dc.etsu.edu/asrf/2019/schedule/68
Observing the Connection Between the Religious Support Perceived by Children and the Number of Adverse Childhood Experiences Faced
BALLROOM ROOM 237
Taylor, Mckenzie
https://dc.etsu.edu/asrf/2019/schedule/235
The Enduring Effects of Conditioned Flavor Cues, Associated with Alcohol-Drinking During Adolescence, on Cue-Induced Alcohol-Drinking and –Seeking in Adulthood
Todd, Emerson
https://dc.etsu.edu/asrf/2019/schedule/82
Differences in the role of Anticipated Discrimination and Social Support in the Relationship with Depression for TGNC and non-TGNC sexual minorities
Townsend, Donald
https://dc.etsu.edu/asrf/2019/schedule/123
Political Backlash in Regards to the LGBTQ+ Community in the Past Twelve Years
Wilson, Elizabeth
https://dc.etsu.edu/asrf/2019/schedule/86
Does Engagement in Online Dating Lead to Greater Dating Success for Rejection Sensitive Individuals?

CLINCH MTN. ROOM 215

Biological Sciences
Pharmacy Students
Gregory, Taylor
https://dc.etsu.edu/asrf/2019/schedule/154
RNA-Seq to analyze two related rat Growth Hormone-producing somatotroph cell lines for tissue-specific transcript expression

Education
Graduate Students - Master’s
Alghamdi, Ashwag
https://dc.etsu.edu/asrf/2019/schedule/25
Effects Of An Electronic Schedule On Independence For A Student With Sever Disabilities
Musick, Katrina
https://dc.etsu.edu/asrf/2019/schedule/225
The Value in Adding Communal Value: Increasing Motivation in STEM Education
Shue, Winona
https://dc.etsu.edu/asrf/2019/schedule/222
Gender Differences in Spatial Language During Preschool Small Group Geometry Activities
CLINCH MTN. ROOM 215

**Undergraduate Students**

Anderson, Sarah  
https://dc.etsu.edu/asrf/2019/schedule/66  
*Intentional Learning Orientation According To Gender, Age, Rurality, and Program Type*

Webb, Lindsey  
https://dc.etsu.edu/asrf/2019/schedule/141  
*Determining the Validity and Reliability of a Preschool Nutrition Knowledge, Beliefs, and Behaviors Scale through a 6 Week Nutrition Intervention*

**Healthcare**

**Medical Students**

Cox, Taylor  
https://dc.etsu.edu/asrf/2019/schedule/194  
*Reopening Johnson County Hospital: The Beginning of Interprofessional Healthcare Education at ETSU*

Denton, Kacie  
https://dc.etsu.edu/asrf/2019/schedule/205  
*Social Determinants of Health in Belize Free Clinic*

Falodun, Ayotola  
https://dc.etsu.edu/asrf/2019/schedule/96  
*Assessing the Knowledge, Attitudes, and Perceptions of Parents and Caregivers Toward Healthy Lifestyles of Children Aged 0-2 years: ReadNPlay for a Bright Future*

Neighbor, Rebecca  
https://dc.etsu.edu/asrf/2019/schedule/196  
*Viral Hemorrhagic Conjunctivitis Outbreak in Rural Belize*

Pinkston, Justin  
https://dc.etsu.edu/asrf/2019/schedule/8  
*Perception of Cardiovascular Disease Among Adolescence in a Rural Community and the Effectiveness of a Risk Reduction Intervention*

Walker, Taylor  
https://dc.etsu.edu/asrf/2019/schedule/97  
*Association between Childhood Sexual Abuse and Risky Sexual Behavior among Adults in Munsieville Township, South Africa*
Pharmacy Students
Maloney, Rebecca
https://dc.etsu.edu/asrf/2019/schedule/111
*Completion of Type 2 Diabetes Comprehensive Care in a Federally Qualified Health Center in Rural Appalachia*

Vinh, Sean
https://dc.etsu.edu/asrf/2019/schedule/79
*Impact of Interprofessional Healthcare Student Teams at a Remote Area Medical Event in Rural Appalachia*

Medicine & Diseases

Medical Residents/Clinical Fellows
Towe, Aaron
https://dc.etsu.edu/asrf/2019/schedule/147
*Assessing Knowledge, Behavior, and Attitudes of Family Medicine & Diseases Residents toward Opioid Prescribing in Rural South Central Appalachia Residency Program*

Medical Students
Dawoud, Fakhry
https://dc.etsu.edu/asrf/2019/schedule/36
*ECMO Support for Pediatric Burn Patients: A Potential Life Saving Modality*

Donahue, Andrew
https://dc.etsu.edu/asrf/2019/schedule/102
*Ewing-like Sarcoma – Hiding in PA view*

Pharmacy Students
Dorjsuren, Delgerzul
https://dc.etsu.edu/asrf/2019/schedule/180
*Finding Novel and Synergistic Cytotoxic Agents for the Treatment of Multiple Myeloma*

Josey, Devin
https://dc.etsu.edu/asrf/2019/schedule/133
*Analysis of full-length transcripts of the Growth Hormone transcription factor ZNF2929 (Zn16) and circular RNA production*
Tran, Lily  
https://dc.etsu.edu/asrf/2019/schedule/139  
Dopaminergic Effects of major Bath Salt Constituents 3, 4-methylenedioxyxpyrovalerone (MDPV), Mephedrone, and Methylone are Enhanced Following Co-exposure

Trogin, Courtney  
https://dc.etsu.edu/asrf/2019/schedule/182  
Pharmacokinetics Of Individual Versus Combined Exposure To "Bath Salts" Compounds Mdpv, Mephedrone, And Methylone

Wade, Parker  
https://dc.etsu.edu/asrf/2019/schedule/228  
Additional Hydroxyl Group On Ct6 (3,4-Dihydroxy-5,7-Dimethoxyflavone), A Flavone Extracted From Chromolaena Tacotana Potentially Confers Additional Activity Against Pancreatic Cancer As Compared To Ct7 (4-Hydroxy-5,7-Dimethoxyflavone)

Social Sciences

Graduate Students - Master's

Parrish, Loni  
https://dc.etsu.edu/asrf/2019/schedule/126  
Serial Spatial Memory Performance and Physical Activity in Children 5-11 Years Old.

Simerly, Monica  
https://dc.etsu.edu/asrf/2019/schedule/45  
Examining the Impact of Art Therapy Related Activities and Emotional Well-being: Make & Take Mondays Program

Undergraduate Students

Daugherty, Abigail  
https://dc.etsu.edu/asrf/2019/schedule/204  
Perceived Physical Ability and Self-Perception of Adequacy and Enjoyment for Physical Activity in Elementary Students

Steffey, Brianna  
https://dc.etsu.edu/asrf/2019/schedule/167  
Attitudes towards Physical Activity Participation and School Engagement in Elementary School Children
**Education**

Medical Residents/Clinical Fellows
Khalid, Muhammad
https://dc.etsu.edu/asrf/2019/schedule/233
*High-Grade Renal Leiomyosarcoma: Rare Case Report*

**Healthcare**

Medical Residents/Clinical Fellows
Axelrad, Mary
https://dc.etsu.edu/asrf/2019/schedule/213
*Improving the Referral Process for Behavioral Health Using a Patient-Centered Approach*

Whitfield, Benjamin
https://dc.etsu.edu/asrf/2019/schedule/136
*Costs and Benefits of Patient Home Visits in a Family Medicine & Diseases Residency Program*

**Medicine & Diseases**

Graduate Students-Doctoral
Carey, Andrew
https://dc.etsu.edu/asrf/2019/schedule/234
*Asymptomatic Free Air: An Abnormal Presentation of Pneumatosis*

Medical Residents/Clinical Fellows
Appareddy, Nina
https://dc.etsu.edu/asrf/2019/schedule/56
*ATM Gene Deletion: A Rare Etiology for Hereditary Cancers*

Bokhari, Ali
https://dc.etsu.edu/asrf/2019/schedule/50
*A Case of Compensated Thyroid Hormone Resistance*

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Chowdhury, Nusrat Jahan
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Davis, Danisha
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