



EAST TENNESSEE STATE
UNIVERSITY

2023 Appalachian Student Research Forum

April 25, 2023

D.P. Culp Student Center on the ETSU Campus
Johnson City, Tennessee

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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 2022 Forum will host over 150 participants from East Tennessee State University 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 Dr. Derek H. Alderman a distinguished researcher. Past presenters include Dr. Shilpa Buch, a leading researcher in the connection between HIV and drug abuse; Dr. Richard Ignace, an ETSU professor in the Department of Physics and Astronomy; Dr. Karl H. Hasenstein, whose research into the use of high-gradient magnetic fields as surrogate for gravity resulted in a successful space experiment onboard a Space-X3 flight.

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: <https://www.etsu.edu/studentresearch/default.php>.

Schedule of Events

ASRF Monday April 24, 2023

TIME	LOCATION	ACTIVITY
1:00 pm - 4:00 pm	3rd Floor, Ballroom	Poster Registration and Setup

ASRF Tuesday, April 25, 2023

TIME	LOCATION	ACTIVITY
8:30 am – 9:00 am	Room 272 (East Tennessee Room)	Poster Judge Briefing
8:30 am – 2:00 pm	Room 272 (East Tennessee Room)	Oral Judge Briefing (30 mins. prior to start of each session)
9:00 am - 11:00 am	3rd Floor, Ballroom	Poster Presentations
9:00 - 4:30 pm	Rooms 217, 303, 304, 311 and 366 (see Appendix for specific presenters, rooms, and times)	Oral Presentations

ASRF Judges

We gratefully acknowledge the following faculty and staff for giving their time and expertise to serve as ASRF Judges

Dr. Jennifer Adler	Dr. Nick Hagemeyer	Dr. Brooks Pond
Dr. Walid Alali	Dr. Jill Hayter	Dr. Jennifer Price
Dr. Eric Beaumont	Dr. Scott Jeffress	Dr. Ashana Puri
Dr. Sharon Bigger	Dr. Cuihong Jia	Dr. Megan Quinn
Dr. Greg Bishop	Dr. Kiana Johnson	Dr. Ron Roach
Ms. Emily Weyant Blevins	Dr. Michelle Johnson	Dr. David Roane
Dr. Patrick Bradshaw	Dr. Charles Jones	Dr. Diego Rodriguez-Gil
Dr. Stacey Brown	Dr. Jeff Knisley	Dr. Marina Vitalyevna Roginskaya
Dr. Debbie Byrd	Dr. Bert Lampson	Dr. Darshan Shah
Dr. Regenia Campbell	Dr. Alissa Lange	Dr. Candice Short
Dr. Myra Carew	Dr. Justin Ledogar	Dr. Sanjay Singh
Dr. Liedson Carneiro	Dr. Ingrid Luffman	Dr. Mike Smith
Dr. Michelle Chandley	Dr. Reza Maihami	Dr. Robert Standaert
Dr. Allie Chroust	Dr. Jeffrey Marchessault	Dr. Jill Stinson

Dr. Brian Cross	Dr. Erin Mauck	Dr. Kendrea Todt
Dr. Suman Dalal	Dr. Susan McCracken	Ms. Rebecca Tolley
Dr. Joel Danisi	Dr. Alex Melkonian	Dr. Jessica Turner
Dr. Aubrey Dueueke	Dr. Christen Minnick	Ms. Rachel Walden
Dr. Cassandra Eagle	Dr. Kristen Montgomery	Dr. Melissa Whitaker
Dr. Eileen Ernenwein	Dr. Darrell Moore	Mr. Jonathan Wilson
Dr. Ruth Facun-Granadozo	Dr. Suzanne Moore	Dr. Mary Ellen Wright
Dr. Bill Flora	Dr. Arpita Nandi	Dr. Valentin Yakubenko
Dr. Sean Fox	Dr. Rob Pack	Dr. Pi-Ming Yeh
Dr. Amanda Frasier	Dr. Lisa Perry	Dr. Mostafa Zahed
Mr. Mark Fulks	Dr. Erik Petersen	Dr. Jinyu Zhang
Dr. Daniel Gahreman	Dr. Jodi Polaha	Dr. Shimin Zheng

ASRF Advisory Committee

John Bossaer
Professor, Pharmacy Practice

Kwangman Ko
Assoc. Professor, Counseling & Human Services

Candace Bright,
Asst. Professor of Sociology

Sharon McGee
Dean, College Graduate Continuing Studies

Russell Brown
Professor, Biomedical Sciences

Ashana Puri
Asst. Professor, Pharmaceutical Sciences

Wendy Eckert
Director, Research & Sponsored Programs

Ashley Sergiadis
Asst. Professor, Library Administration

Cerrone Foster
Assoc. Professor Biology and Assoc. Director,
Undergraduate Research & Creative Activities

Anca Traian
Asst. Professor, Economics & Finance

Nick Hagemeyer
Vice Provost for Research

Kendrea Todt
Asst. Professor, Nursing Undergraduate Programs

Advisory Committee Administrative Support:
Ms. Kerriann Lane and the Office of Research & Sponsored Programs

Presentation Schedule

Location	Time	Presenter Group, Name, Presentation Title & Link to Abstract
Doctoral Students - BioSciences		
<u>Room 311</u>	1:00 PM - 1:20 PM	<p>Casteel, Jared <i>Modification of extracellular matrix by the product of DHA oxidation promotes retention of macrophages and progression of chronic inflammation</i> https://dc.etsu.edu/asrf/2023/schedule/185</p>
	1:20 PM - 1:40 PM	<p>Tijani, Akeemat <i>Development of an Iontophoresis-Coupled Microneedle Skin Patch of Naloxone for Emergency Treatment of Opioid Overdose</i> https://dc.etsu.edu/asrf/2023/schedule/126</p>
	1:40 PM - 2:00 PM	<p>Toitole, Kusse <i>Uptake of Eye Screening Services Among People Living with Diabetes in the US; Examining the Role of Health Insurance Coverage in Access to Care</i> https://dc.etsu.edu/asrf/2023/schedule/139</p>
	2:00 PM - 2:20 PM	<p>Owens, Misty <i>Differential activation of brainstem neurons with transcutaneous auricular vagus nerve stimulation and its comparability to cervical vagus nerve stimulation</i> https://dc.etsu.edu/asrf/2023/schedule/73</p>
	2:20 PM - 2:40 PM	<p>Aldridge, Jessa <i>In a mouse model of Dravet Syndrome, mitochondrial dysfunction may contribute to SUDEP.</i> https://dc.etsu.edu/asrf/2023/schedule/116</p>

2:40 PM - 3:00 PM **Behera, Jyoti**
A multigene approach towards oil enhancement in plants
<https://dc.etsu.edu/asrf/2023/schedule/26>

3:00 PM - 3:20 PM **Barker, Daniel**
Pollinator visitation patterns influence plant-nectar microbiome network properties in a diverse co-flowering community
<https://dc.etsu.edu/asrf/2023/schedule/53>

Doctoral Students - Psychology & Social Sciences

Room 303 1:00 PM - 1:20 PM **Hardgrave, Aaron**
*Comparative Osteology of the Eastern Newt (*Notophthalmus viridescens*) Between the Terrestrial Eft and Adult Stage*
<https://dc.etsu.edu/asrf/2023/schedule/133>

1:20 PM - 1:40 PM **Jones, Marissa**
Correction of sleep disturbances during abstinence following hypocretin-receptor antagonism in fentanyl-dependent rats.
<https://dc.etsu.edu/asrf/2023/schedule/144>

1:40 PM - 2:00 PM **Mahan, Kristin**
ACE Risk Bands and Health Outcomes Among a Group of Adults in Secure Forensic Care
<https://dc.etsu.edu/asrf/2023/schedule/97>

2:00 PM - 2:20 PM **Parigger, John**
Implicit Theories of Emotion and Disruptive Behaviors in Adolescence: Pathways Through Emotion Dysregulation
<https://dc.etsu.edu/asrf/2023/schedule/63>

2:20 PM - 2:40 PM **O'Neill, Hope**
A Systematic Review of Intergenerational Transmission of Risk from Maternal ACEs to Child Behavioral Outcomes
<https://dc.etsu.edu/asrf/2023/schedule/36>

2:40 PM - 3:00 PM

Topyurek, Mehmet

Caffeine intake and its relationship to cognitive functioning and symptomatology in schizophrenia patients

<https://dc.etsu.edu/asrf/2023/schedule/99>

Doctoral Students - Public Health Group A

Room 217

1:40 PM - 2:00 PM

Thomas, Jewel

Colon cancer screening among respondents of the 2021 Behavioral Risk Factors Surveillance Survey

<https://dc.etsu.edu/asrf/2023/schedule/163>

2:00 PM - 2:20 PM

Schoenberg, Benjamin

Positive Childhood Experiences and Socio-Economic Association

<https://dc.etsu.edu/asrf/2023/schedule/61>

2:20 PM - 2:40 PM

Cimilluca, Johanna

Experiences, Perceptions, and Usage of Telehealth Services Among Mental Healthcare Providers and Non-Mental Healthcare Providers

<https://dc.etsu.edu/asrf/2023/schedule/34>

2:40 PM - 3:00 PM

Leslie, Haleigh

Racial and Ethnic Representation of Local county-level Health Departments and the Jurisdictions Served based on Urban or Rural Classification in HHS Regions 5 and 10

<https://dc.etsu.edu/asrf/2023/schedule/161>

3:00 PM - 3:20 PM

Carrier, Whitney

The Differences of Low Birth Weight Infants Among Sub-regions of Appalachia

<https://dc.etsu.edu/asrf/2023/schedule/110>

3:20 PM - 3:40 PM

Dahal, Kajol

Primary Care Visits by the Postpartum Women with Gestational Diabetes and Hypertension: Analysis of Medicaid Claims Data in South Carolina

<https://dc.etsu.edu/asrf/2023/schedule/162>

Doctoral Students - Public Health Group B

Room 366

1:00 PM - 1:20 PM

Adebayo-Abikoye, Esther

Counseling for Long-Acting Reversible Contraception in the U.S. South: Findings from Statewide Surveys of Family Physicians

<https://dc.etsu.edu/asrf/2023/schedule/159>

1:20 PM - 1:40 PM

Olomofe, Charles

Routine Childhood Immunization in Appalachia: A 5-year review of the prevalence, pattern, and predictors of vaccine exemptions in Northeast Region Tennessee

<https://dc.etsu.edu/asrf/2023/schedule/40>

1:40 PM - 2:00 PM

Adelli, Rakesh

Examining Components of Collective Impact across the South Carolina Choose Well Contraceptive Access Initiative

<https://dc.etsu.edu/asrf/2023/schedule/177>

2:00 PM - 2:20 PM

Frye-Clark, Opal

The Effectiveness of Continuums of Care (CoCs) in Addressing Homelessness

<https://dc.etsu.edu/asrf/2023/schedule/47>

2:20 PM - 2:40 PM

Surles, Kristen

Do adolescents receive youth-friendly, person-centered contraceptive care at safety-net clinics in the U.S. South?: An examination of youths' perspectives

<https://dc.etsu.edu/asrf/2023/schedule/165>

2:40 PM - 3:00 PM

Sullivan, Olivia

Community Health Workers' COVID-19 Vaccine Status and Concerns for Client Welfare in Appalachia

<https://dc.etsu.edu/asrf/2023/schedule/58>

Master's Students - Biological & Chemical Sciences

Room 304

10:00 AM - 10:20 AM

Musa, Abdulafiz

Cyclic-di-GMP Regulates Salmonella Typhimurium Infection of Epithelial Cells and Macrophages

<https://dc.etsu.edu/asrf/2023/schedule/48>

9:00 AM - 9:20 AM

Snipes, Chelsie

Vibroacoustic response of the tympanic membrane to hydro-borne sound generated during echolocation in bats

<https://dc.etsu.edu/asrf/2023/schedule/28>

9:20 AM - 9:40 AM

Onabanjo, Mariam

Understanding the role of SABP2-interacting proteins (SIP) 428: an NAD⁺-Dependent Deacetylase Enzyme in Abiotic Stress Signaling of Nicotiana tabacum

<https://dc.etsu.edu/asrf/2023/schedule/111>

9:40 AM - 10:00 AM

Ilesanmi, Ajibola

Comparative characteristics of integrin α D β 2 binding to native fibrinogen and fibrinogen modified by DHA oxidation during inflammation

<https://dc.etsu.edu/asrf/2023/schedule/87>

Master's Students - Environmental Sciences

Room 304

1:00 PM - 1:20 PM

Moore, Emma

Co-flowering community effects on the relative contribution of pollen quantity and quality limitation to the reproductive success of four Clarkia species

<https://dc.etsu.edu/asrf/2023/schedule/200>

1:20 PM - 1:40 PM

Horton, Jody

Impact of urbanization on plant-frugivore interaction networks in the Southern Appalachians

<https://dc.etsu.edu/asrf/2023/schedule/1>

- 1:40 PM - 2:00 PM **Maden, Shay**
An Early Pliocene Fish Assemblage from the Southern Appalachians: Ichthyofauna of the Gray Fossil Site
<https://dc.etsu.edu/asrf/2023/schedule/64>
- 2:00 PM - 2:20 PM **Pierce, Briar**
Extracting Topography from Historic Topographic Maps Using GIS-Based Deep Learning
<https://dc.etsu.edu/asrf/2023/schedule/22>
- 2:20 PM - 2:40 PM **Gunnin, Davis**
Testing paleohistological assumptions using a large-scale study of Alligator mississippiensis with application to a fossil alligator from the southern Appalachians
<https://dc.etsu.edu/asrf/2023/schedule/11>
- 2:40 PM - 3:00 PM **Rockow, David**
*Moderate Levels of Urbanization Increase Insect Abundance and Pollen Removal in Common Milkweed (*Asclepias syriaca*)*
<https://dc.etsu.edu/asrf/2023/schedule/190>

Medical Students - Healthcare & Medicine

- Room 303** 3:00 PM - 3:20 PM **Peddibhotla, Venu**
Radial Artery Dominance in the Forearm- A Case Report and Review of the literature
<https://dc.etsu.edu/asrf/2023/schedule/172>
- 3:20 PM - 3:40 PM **Ahmed, Aws**
Minimally Invasive Approach to Vascular Compression of The Duodenum
<https://dc.etsu.edu/asrf/2023/schedule/92>
- 3:40 PM - 4:00 PM **Elahi, Muhammad**
Assessing the Prevalence of Age-Related Vision Loss and Access to Vision Care in Underserved Rural Counties of Northeast TN
<https://dc.etsu.edu/asrf/2023/schedule/83>

4:00 PM - 4:20 PM **Martin, Chassidy Sumler**
A Case Report of Catastrophic Antiphospholipid Syndrome with Libman-Sacks Presenting as Interstitial Pneumonia
<https://dc.etsu.edu/asrf/2023/schedule/166>

Master's Students - Psychology & Social Sciences

Room 311

10:00 AM - 10:20 AM **Karki, Arpana**
Examining substance use and mental health problems among veterans in Tennessee.
<https://dc.etsu.edu/asrf/2023/schedule/24>

10:20 AM - 10:40 AM **Walston, Kynah**
Exploration of the Primary Reinforcers and Behaviors that are Enhanced by Delta-9-tetrahydrocannabinol (THC) in Male and Female Rats
<https://dc.etsu.edu/asrf/2023/schedule/151>

10:40 AM - 11:00 AM **Anazor, Sandra**
Prevalence and Predictors of Human Immunodeficiency Virus (HIV) Testing Amongst Women of Reproductive Age in Zimbabwe
<https://dc.etsu.edu/asrf/2023/schedule/62>

11:00 AM - 11:20 AM **Bennett, Savannah**
Susannah and Cold Mountain: Examining the Portrayal of Appalachian Culture in Opera
<https://dc.etsu.edu/asrf/2023/schedule/189>

9:00 AM - 9:20 AM **Albert, Benjamin**
Early Birds Avoid Burnout: Instilling Self-Care Practices in Social Work Students
<https://dc.etsu.edu/asrf/2023/schedule/2>

9:20 AM - 9:40 AM **Evans, Krystiane**
Soundhikes and Oral Histories from Appalachian Protected Lands: Implications for Equitability and Access
<https://dc.etsu.edu/asrf/2023/schedule/33>

9:40 AM - 10:00 AM

Dodson, Kayla

Examining Social Isolation and Loneliness: Cross-Sectional Needs Assessment among Community-Dwelling Older Adults

<https://dc.etsu.edu/asrf/2023/schedule/69>

Presenter	Poster Number	Presenter Group, Presentation Title & Link to Abstract
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Doctoral Students - Biological & Life Sciences

Boshears, Allison	3	<i>Age-Related Effects on Impedances of Cochlear Implant Internal Electrodes</i> https://dc.etsu.edu/asrf/2023/schedule/30
Eicher, Sierra	2	<i>Hear for You - Educational Resources</i> https://dc.etsu.edu/asrf/2023/schedule/186
Giulian, Joseph	5	<i>Models Predict Niche Flexibility and Widespread Habitat Suitability for Recently Introduced Joro Spider (<i>Trichonephila clavata</i>)</i> https://dc.etsu.edu/asrf/2023/schedule/42
Lyons, Alexandria	4	<i>Evaluation of Pure-Tone Thresholds and Distortion Product Otoacoustic Emissions Measured in the Extended High Frequency Region</i> https://dc.etsu.edu/asrf/2023/schedule/31
Mahmud, Fateh Ali	6	<i>Analysis of SIP68: A UDP Glucosyltransferase for Its Role in Plant Growth and Immunity</i> https://dc.etsu.edu/asrf/2023/schedule/106
Shook, Paige	7	<i>Exogenous ubiquitin: role in macrophage phenotype and function</i> https://dc.etsu.edu/asrf/2023/schedule/50
Turpin, Breanna	1	<i>Video Intervention on Hearing Loss Management Skills in Middle-School Aged Children</i> https://dc.etsu.edu/asrf/2023/schedule/123

Doctoral Students - Child Development & Health

Craven, Amie	12	<i>Initial Impacts of a STEM Professional Learning Institute for Preschool Educators</i> https://dc.etsu.edu/asrf/2023/schedule/29
Ejiwumi, Abdulrasak	13	<i>A pattern of health insurance policy among smokers in the United States</i> https://dc.etsu.edu/asrf/2023/schedule/100
Nicholson, Jason	11	<i>A Residency Program for Family Nurse Practitioner</i> https://dc.etsu.edu/asrf/2023/schedule/150

Sealey, Hallie	9	<i>Assessing Self-Efficacy in Families of Children with Hearing Concerns through an Audiological Early Intervention Training</i> https://dc.etsu.edu/asrf/2023/schedule/192
Simpson, Tess	14	<i>Testing Assumptions about Laboratory Protocol Fidelity</i> https://dc.etsu.edu/asrf/2023/schedule/102
Tchoua, Phoebe	10	<i>Exploring the Food Parenting Practices Among Black Immigrant Mothers in Metro Atlanta, GA</i> https://dc.etsu.edu/asrf/2023/schedule/140
Thomas, Kristy	8	<i>Maternal body composition and its impact on short chain fatty acid and microbiome profiles of breast milk in Caucasian women of Northeast Tennessee</i> https://dc.etsu.edu/asrf/2023/schedule/196

Doctoral Students - Neuroscience & Psychology

Blackwelder, Amanda	21	<i>Relationship of Sexual Violence on Youth Suicidal Contemplation</i> https://dc.etsu.edu/asrf/2023/schedule/104
Cuozzo, Anthony	16	<i>Modulation of Metabotropic Glutamate Receptor Type 5 (mGlu5) Reduces the Enhanced Rewarding Effects of Nicotine in a Neonatal Quinpirole Model of Psychosis</i> https://dc.etsu.edu/asrf/2023/schedule/178
Gautam, Deepshila	22	<i>Prefrontal cortex is more vulnerable than primary auditory cortex to NMDA antagonism</i> https://dc.etsu.edu/asrf/2023/schedule/169
Huffcutt, Galen	20	<i>Insomnia Treatment Drug Lemborexant Rescues Sleep Dysfunction Associated with Methamphetamine Vapor Withdrawal</i> https://dc.etsu.edu/asrf/2023/schedule/52
McGuffin, Bailey	18	<i>The effect of cannabidiol (CBD) on behavioral and neuroinflammatory consequences of comorbid AUD and PTSD in a rat model</i> https://dc.etsu.edu/asrf/2023/schedule/142
Peeters, Loren	15	<i>Reinstatement of nicotine conditioned place preference in a transgenerational model of drug abuse vulnerability in psychosis: Impact of BDNF on the saliency of drug associations</i> https://dc.etsu.edu/asrf/2023/schedule/198

Schwartz, Britta	19	<i>Behavioral and Neuroinflammatory Sex Differences in Comorbid Posttraumatic Stress Disorder and Alcohol Use Disorder</i> https://dc.etsu.edu/asrf/2023/schedule/143
Zarin, Tyler	17	<i>Reduced methamphetamine self-administration following single or dual hypocretin-receptor blockade or viral vector hypocretin-knockdown in adult male rats</i> https://dc.etsu.edu/asrf/2023/schedule/164

Master's Students - Biological & Life Sciences

Barati, Zahra	23	<i>Characterize the role of tobacco deacetylase enzyme SIP-428 in mediating environmental stress</i> https://dc.etsu.edu/asrf/2023/schedule/109
Giri, Bikram	24	<i>Arabidopsis LTP12, A Homolog of SIP470 as a Key Player in Biotic and Abiotic Stress Response Signaling Pathway</i> https://dc.etsu.edu/asrf/2023/schedule/108
Holden, Sara	27	<i>Comparing the Rates of Circadian Re-Entrainment Between Araneoid and Non-Araneoid Spiders</i> https://dc.etsu.edu/asrf/2023/schedule/113
Jones, Caitlin	28	<i>The Old Family Clock: Exploring Heritability of Chronotype in the Common House Spider <i>Parasteatoda tepidariorum</i></i> https://dc.etsu.edu/asrf/2023/schedule/147
Regan, Jake	26	<i>Neuronal or Intestinal Knockdown of <i>C. elegans</i> nadk-1 Decreases Oxygen Consumption and Reactive Oxygen Species.</i> https://dc.etsu.edu/asrf/2023/schedule/90
Williams, Jessica	25	<i>Effects of population size on the survival and reproduction of a rare carnivorous plant (<i>Drosera rotundifolia</i>)</i> https://dc.etsu.edu/asrf/2023/schedule/66

Master's Students - Biostatistics

Aderinwale, Oluseyi	31	<i>Diarrhea and its Determinants in Under-five Children in Chad Republic</i> https://dc.etsu.edu/asrf/2023/schedule/85
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Ekwebene, Onyeka	29	<i>Effect of the Golden Liquid from Honeybees and Refined Granulated Sugar on the Blood Glucose and Serum Iron Levels of Albino Rats.</i> https://dc.etsu.edu/asrf/2023/schedule/156
Kireta, Janet	33	<i>Unsupervised Dimension Reduction Techniques for Lung Cancer Diagnosis Based on Radiomics</i> https://dc.etsu.edu/asrf/2023/schedule/23
Magacha, Hezborn	35	<i>A Comorbidity Model to Predict Inpatient Mortality Using Clinical Classifications Software with National Inpatient Sample Data 2020.</i> https://dc.etsu.edu/asrf/2023/schedule/59
Nwaneki, Chisom	30	<i>Predictors of HIV/AIDS comprehensive knowledge among Nigerian women: a cross-sectional study.</i> https://dc.etsu.edu/asrf/2023/schedule/118
Okeke, Francis	36	<i>The Impact of Time in Doctor-Patient Encounters on Perceived Health Status of Children with Diabetes: Potential Mediating Roles of Shared Decision Making and Resilient Parents</i> https://dc.etsu.edu/asrf/2023/schedule/174
Omenuko, Nnamdi	34	<i>Socioeconomic Factors Affecting HIV Prevalence in Women of Reproductive Age in Zambia</i> https://dc.etsu.edu/asrf/2023/schedule/27
Ugwu, Chidiebube	32	<i>Predictors of HIV testing among reproductive-aged women in South Africa – The Demographic and Health Survey (DHS) 2016</i> https://dc.etsu.edu/asrf/2023/schedule/41

Master's Students - Chemical Sciences

Addo, Michael	39	<i>A Low-Cost, Compact Electrochemical Analyzer Based on an Open-Source Microcontroller</i> https://dc.etsu.edu/asrf/2023/schedule/37
Agbakpo, Andy	37	<i>Extraction, purification, and characterization of potential bioactive metabolites produced by <i>Janthinobacterium lividum</i> TAJX1901</i> https://dc.etsu.edu/asrf/2023/schedule/65
Arije, Amonah	38	<i>Isolation and Structural Determination of Bioactive Metabolites Produced by a Soil Bacterium, <i>Arthrobacter</i> sp. TAJX1902</i> https://dc.etsu.edu/asrf/2023/schedule/18

Ehigiator, Sandra	40	<i>Electrochemiluminescence using Pencil Graphite Electrodes Interfaced with a Simple Imaging System</i> https://dc.etsu.edu/asrf/2023/schedule/44
Osei Addae, Sarah	41	<i>Analysis of Novel Intermediate of Guanine-Guanine Crosslink Produced in Reactions of One-Electron Oxidation of Guanine Derivatives by Using 8-Substituted 2'-Deoxyguanosines as Analog Compounds</i> https://dc.etsu.edu/asrf/2023/schedule/152
Tindi, Martin	42	<i>Investigating Phytosulfokine Trafficking: Insights into the Role of Phytohormones in Plant Signaling</i> https://dc.etsu.edu/asrf/2023/schedule/17

Master's Students - Environmental Sciences

Afriyie, Emmanuel	47	<i>Spatiotemporal analysis of flooding in Tennessee counties: 1996-2021</i> https://dc.etsu.edu/asrf/2023/schedule/114
Collins, Amy	46	<i>Geophysical and Archaeological Investigations of Enslaved Peoples at Cannons Point Preserve, Georgia</i> https://dc.etsu.edu/asrf/2023/schedule/8
Holmes, Tristan	43	<i>Suitability Layers for Mesonet Stations in Tennessee</i> https://dc.etsu.edu/asrf/2023/schedule/76
McSweeney, Robert	48	<i>Preliminary site assessment for ground monitoring of a complex landslide along I-40 in Roane County, Tennessee</i> https://dc.etsu.edu/asrf/2023/schedule/35
Palmer, Megan	44	<i>Analyzing landslide hotspots and susceptibility in East Tennessee transportation corridors</i> https://dc.etsu.edu/asrf/2023/schedule/80
Xu, Ziqi	45	<i>Early Pliocene Mice and Rats (Rodentia: Cricetidae) from the Gray Fossil Site of Eastern Tennessee</i> https://dc.etsu.edu/asrf/2023/schedule/132

Master's Students - Health Services Management & Policy Group A

Griffin, Blakeley	57	<i>Comparing Perceived Barriers to Breastfeeding among Patients and Providers in East Tennessee</i> https://dc.etsu.edu/asrf/2023/schedule/51
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Lashaoda, Oluwatosin	58	<i>Development of a Sustained Transdermal Delivery System of Amiloride for Management of Resistant Hypertension</i> https://dc.etsu.edu/asrf/2023/schedule/129
Mamudu, Saudikatu	54	<i>Association between Poor physical health and Depression among Blacks in Tennessee</i> https://dc.etsu.edu/asrf/2023/schedule/38
Pons, Amanda	56	<i>The association between substance use, mental health and e-cigarette use in Tennessee</i> https://dc.etsu.edu/asrf/2023/schedule/93
Tafesse, Yordanos	59	<i>Intent to Vaccinate Children Against COVID-19 by Caregiver Vaccination Status in Northeast Tennessee</i> https://dc.etsu.edu/asrf/2023/schedule/20
Ubah, Nneoma	55	<i>Association of Alcohol Use, Depression, and Pain among Cancer Patients</i> https://dc.etsu.edu/asrf/2023/schedule/78

Master's Students - Health Services Management & Policy Group B

Ghimire, Achala	51	<i>Association between Coronary Heart Disease and Depression in Tennessee</i> https://dc.etsu.edu/asrf/2023/schedule/46
Nriagu, Valentine	50	<i>Comorbidities Predict Length of Stay Among Patients Admitted with Peripheral Artery Disease—An Analysis of The National Inpatient Sample.</i> https://dc.etsu.edu/asrf/2023/schedule/15
Ogunmefun, Memunat	52	<i>Gender differences in substance use and depression among caregivers</i> https://dc.etsu.edu/asrf/2023/schedule/70
Olagunju, Olajide	53	<i>Depression and Other Associated Risk Factors with Hypercholesterolemia Among Adults in Tennessee (findings from BRFSS 2021)</i> https://dc.etsu.edu/asrf/2023/schedule/81
Onakpoma, Francis	49	<i>Factors That Determine The Outcome of Valvular Disease Among Patients, Based On The Type Of Hospital, Location Of Patient, And Type Of Insurance.</i> https://dc.etsu.edu/asrf/2023/schedule/7

Master's Students - Healthcare & Medicine

Adenusi, Adedeji	64	<i>Risk Factors Associated with Pulmonary Disease Among Hospitalized Patients in The United States</i> https://dc.etsu.edu/asrf/2023/schedule/84
Asifat, Olamide	63	<i>Risk factors associated with Obesity among hospitalized patients in the United States</i> https://dc.etsu.edu/asrf/2023/schedule/136
Azizi, Ava	62	<i>Pharmacological effects of Crocus Sativus (Saffron) on Memory and Anxiety</i> https://dc.etsu.edu/asrf/2023/schedule/155
Berry, Andrew	65	<i>Assessing Virtual Versus In-Person Experiential Learning in Medical Student Pediatric Clerkship Training</i> https://dc.etsu.edu/asrf/2023/schedule/145
Biragbara, Dornu	61	<i>The Effects of Delta-8-tetrahydrocannabinol on Danio rerio</i> https://dc.etsu.edu/asrf/2023/schedule/154
Pham, Alice	60	<i>Gastrointestinal Issues in Infants with Prenatal Substance Exposure</i> https://dc.etsu.edu/asrf/2023/schedule/180

Master's Students - Social & Behavioral Health

Day, Leona	67	<i>The Indirect Link Between ACEs and Imposter Phenomenon</i> https://dc.etsu.edu/asrf/2023/schedule/201
Ijitade, Grace	69	<i>Best Practices to Improve Social Media Use Among Non-Profits Organizations in Rural Appalachia</i> https://dc.etsu.edu/asrf/2023/schedule/199
Jordan, Megan	68	<i>An Examination of Factory Farming in North Carolina: the Hidden Costs and Harms to Vulnerable Groups in Appalachia</i> https://dc.etsu.edu/asrf/2023/schedule/195
Neis-Eldridge, Abraham	66	<i>Follow the Algorithm: Assessing Facebook's Group Recommendation Behavior Regarding Conspiracy Theories and Echo Chambers</i> https://dc.etsu.edu/asrf/2023/schedule/49

Summers, Olivia	70	<i>Apocalypticism as a Predictor of Conspiracism Among American Adults</i> https://dc.etsu.edu/asrf/2023/schedule/32
Templeton, Jessica	71	<i>Associations Between Temperamental Negative Affectivity and Parental Anxiety Across Childhood</i> https://dc.etsu.edu/asrf/2023/schedule/75

Medical Residents or Clinical Fellows - Internal Medicine Group A

Erpenwar, Sohan	85	<i>Transient Global Amnesia Secondary to Sexual Intercourse</i> https://dc.etsu.edu/asrf/2023/schedule/134
Kim, Do Young	87	<i>Complete Response in a Hodgkin's Lymphoma with a Non-Hodgkin's Lymphoma regimen! - R-CHOP chemotherapy in Stage IV Nodular Lymphocyte Predominant Hodgkin's Lymphoma</i> https://dc.etsu.edu/asrf/2023/schedule/179
Ramineni, Srivyshnavi	86	<i>A case of Durable Complete Response with Venetoclax and Azacytidine in Myelodysplastic Syndrome transformed to Acute Myeloid Leukemia</i> https://dc.etsu.edu/asrf/2023/schedule/153
Roman, Erica	88	<i>An expected culprit in an improbable location: Metastatic breast cancer found in a thyroid nodule</i> https://dc.etsu.edu/asrf/2023/schedule/6
Sanku, Koushik	84	<i>Crystal Coronaries: A Rare Case of Methamphetamine Induced Coronary Thrombosis and Acute Myocardial Infarction</i> https://dc.etsu.edu/asrf/2023/schedule/173

Medical Residents or Clinical Fellows - Internal Medicine Group B

Berry, David	79	<i>Norovirus Gastroenteritis Leading to Partial Small Bowel Obstruction</i> https://dc.etsu.edu/asrf/2023/schedule/183
Kommineni, Sai Karthik	83	<i>Ceftriaxone-Induced Acute Reversible Chorea</i> https://dc.etsu.edu/asrf/2023/schedule/148
Mohammadi, Oranus	78	<i>A Case of Blastic Plasmacytoid Dendritic Cell Neoplasm</i> https://dc.etsu.edu/asrf/2023/schedule/184
Nagpal, Sagar	82	<i>A Path Difficult to Tread: Pure Autonomic Failure, A Case Report</i> https://dc.etsu.edu/asrf/2023/schedule/124

Natarajan, Arjun	81	<i>Hemolysis and Methemoglobinemia due to Rasburicase in the setting of Glucose-6-Phosphate Dehydrogenase deficiency</i> https://dc.etsu.edu/asrf/2023/schedule/131
Sadiq, Madeeha	80	<i>A Case report of Asymptomatic Presentation of Spontaneous Intrahepatic Biloma</i> https://dc.etsu.edu/asrf/2023/schedule/9

Medical Residents, Clinical or Post-Doctoral Fellows - Healthcare & Medicine

Feathers, Jessie	72	<i>Using Follow Up Cards to Improve Workflow in an Outpatient Residency Clinic</i> https://dc.etsu.edu/asrf/2023/schedule/188
Hall, Luke	73	<i>Improving Bristol FM Resident Knowledge of Durable Medical Equipment Documentation Requirements</i> https://dc.etsu.edu/asrf/2023/schedule/182
Jenkins, Rebecca	76	<i>Contraceptive Counseling Among Family Medicine Residents</i> https://dc.etsu.edu/asrf/2023/schedule/117
Lucas, Logan	75	<i>Learning Osteopathic Manipulative Treatment in the Residency Setting</i> https://dc.etsu.edu/asrf/2023/schedule/160
Thompson, Jeff	77	<i>Empagliflozin Induced Pancreatitis</i> https://dc.etsu.edu/asrf/2023/schedule/128
Wills, Liza	74	<i>CDPPB attenuates risky behavior in a rodent model of PTSD/AUD comorbidity</i> https://dc.etsu.edu/asrf/2023/schedule/54

Medical Students - Healthcare & Medicine

Condra, Alex	98	<i>Mask Adherence to Mask Mandate: College Campus Versus the Surrounding Community</i> https://dc.etsu.edu/asrf/2023/schedule/157
Dodson, Kirsten	104	<i>Assessing Mental Health and Coping Skills in a Rural Middle School in South Central Appalachia</i> https://dc.etsu.edu/asrf/2023/schedule/60
Gillespie, Blanton	97	<i>Addressing Mental Health Needs in a Rural K-8 School</i> https://dc.etsu.edu/asrf/2023/schedule/14

Hankins, Kaley	102	<i>Assessing the Patient Perspective on Marijuana Use During Pregnancy</i> https://dc.etsu.edu/asrf/2023/schedule/158
Innes, Trystan	105	<i>Designing a Survey Instrument to Evaluate K-12 Educators Perception of Well-being</i> https://dc.etsu.edu/asrf/2023/schedule/12
Knoll, Olivia	101	<i>Association Between Buprenorphine Use and Weight Gain in Pregnancy</i> https://dc.etsu.edu/asrf/2023/schedule/89
Ramirez, Andrea	103	<i>Examining Factors Associated with Unintended Pregnancies in a Rural Resident Clinic</i> https://dc.etsu.edu/asrf/2023/schedule/191
Roberts, Nicholas	99	<i>Predisposition of Suicide Among Active-Duty and Transitioning Members of the US Military</i> https://dc.etsu.edu/asrf/2023/schedule/138
Yang, Cindy	100	<i>Response and Impact of COVID-19 Pandemic on Faith Communities in Johnson City, Tennessee</i> https://dc.etsu.edu/asrf/2023/schedule/146

Medical Students - Internal Medicine

DeBerry, Robert	96	<i>A Case Report of Treatment of Hyperkalemia Secondary to Rhabdomyolysis in the Emergent Perioperative Setting</i> https://dc.etsu.edu/asrf/2023/schedule/91
Helmey, Nancy	93	<i>Double Bubble Trouble: Misdirection in the Diagnosis of Pyloric Stenosis</i> https://dc.etsu.edu/asrf/2023/schedule/112
Jagadish, Ashwin	89	<i>Fibrillary Glomerulonephritis in a Patient with a History of Vulvar Squamous Cell Carcinoma</i> https://dc.etsu.edu/asrf/2023/schedule/194
Keelty, Kylie	94	<i>Non-Congenital Cytomegalovirus Infection in an Infant</i> https://dc.etsu.edu/asrf/2023/schedule/107
Martin, Taylor	95	<i>Modern Technology Applied to Classic Technique: Virtual Surgical Planning for Design of Split-Calvarial Bone Graft for Frontal Reconstruction after Osteoma Resection in a Fifteen-Year-Old Male</i> https://dc.etsu.edu/asrf/2023/schedule/43
Smith, Andrea	91	<i>Melanosis Vesicae found in Female with Urinary Retention, Case Report</i> https://dc.etsu.edu/asrf/2023/schedule/167

Sundin, Ashley	92	<i>Pulmonary Embryonal Rhabdomyosarcoma: A differential in pulmonary masses</i> https://dc.etsu.edu/asrf/2023/schedule/187
Wike, Samuel	90	<i>Iron Ulcers, an Uncommon Phenomena</i> https://dc.etsu.edu/asrf/2023/schedule/94

Pharmacy Students - Pharmaceutical Sciences

Cifelli, Kathryn	112	<i>Development of HPLC-UV method for quantification of Kratom compounds mitragynine and its 7-hydroxy metabolite</i> https://dc.etsu.edu/asrf/2023/schedule/55
Harding, Jeanna	107	<i>CT1 Cytotoxic Effects Against MDA-MB-231 Evasion</i> https://dc.etsu.edu/asrf/2023/schedule/57
Lefevers, Kacey	106	<i>The Prescription for a Diagnosis & Treatment Formulary in Short-Term Medical Missions</i> https://dc.etsu.edu/asrf/2023/schedule/10
Locke, Autumn	113	<i>CT1 and CT3 Mediated Apoptosis of MCF7 and SKBr3 Breast Cancer Cells via Extrinsic Apoptotic Pathway</i> https://dc.etsu.edu/asrf/2023/schedule/103
Morris, Samantha	108	<i>Stability of Lorazepam Oral Solution Stored in Syringes at Room and Refrigerated Temperatures</i> https://dc.etsu.edu/asrf/2023/schedule/121
Sergent, Sophia	110	<i>Compatibility of Intravenous N-acetylcysteine and Ondansetron</i> https://dc.etsu.edu/asrf/2023/schedule/137
Tubolino, Michelle	109	<i>Stability Indicating HPLC-UV Method for Quantification of Lorazepam in Oral Solution</i> https://dc.etsu.edu/asrf/2023/schedule/39
Verana, Gabrielle	111	<i>Development of a Skin Patch of Baclofen for Sustained Management of Multiple Sclerosis Associated Spasticity</i> https://dc.etsu.edu/asrf/2023/schedule/120

Undergraduate Students - Biological & Life Sciences Group A

Burnett, Noah	117	<i>Syntheses and Purification of Cannabinoid Derivatives</i> https://dc.etsu.edu/asrf/2023/schedule/171
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Cope, Malachi	116	<i>Synthesis and Characterization of Potentially Catalytic Tolunitrile Adducts of Rhodium(II) Acetate</i> https://dc.etsu.edu/asrf/2023/schedule/119
Hickerson, Noah	115	<i>Slope Stability Risk Assessment in Urban Development, Eastern Tennessee Hillslope</i> https://dc.etsu.edu/asrf/2023/schedule/202
Jacinto Ramirez, Mirna	120	<i>Microplastic Pollution in East Tennessee Freshwater Streams Surveillance Through Water Sampling</i> https://dc.etsu.edu/asrf/2023/schedule/170
James, Dalton	114	<i>Determining the Effect of Maternal Adiposity on Preterm Neonatal Microbiome and Short Chain Fatty Acid Profiles</i> https://dc.etsu.edu/asrf/2023/schedule/193
Keenan, Ash	119	<i>Comparative Analysis of Freshwater Mussels on the Effects of Impoundment on the S. Fork Holston River</i> https://dc.etsu.edu/asrf/2023/schedule/88
Marshall, Alexandria	118	<i>Catalytic Investigations of Rhodium Acetate Derivatives to Develop Sturdier Insecticides</i> https://dc.etsu.edu/asrf/2023/schedule/86

Undergraduate Students - Biological & Life Sciences Group B

Fowler, Donald	123	<i>Characterization of a Potential Klebsiella Bacteriocin that Works Synergistically with Antibiotics</i> https://dc.etsu.edu/asrf/2023/schedule/197
Hargrave, Aly	122	<i>Transposon Mutagenesis Identification of Polymicrobial Interaction Mechanisms Between Prokaryotic and Eukaryotic Microorganisms</i> https://dc.etsu.edu/asrf/2023/schedule/105
Johnson, Isaac	121	<i>Gradual and Instantaneous Dusk have Mixed Results on Spider Entrainment and Activity Patterns in Two Web-Building Species of Spiders</i> https://dc.etsu.edu/asrf/2023/schedule/130
Lucas, Brynne	125	<i>Characterizing the Appalachian Microbiome and Identifying Potential Antimicrobial Producers</i> https://dc.etsu.edu/asrf/2023/schedule/95
Pelletier, M. Amelia	124	<i>Use of a Wound-like Synthetic Media for Screening of Antimicrobial Treatments for Burn Wound Infections & Investigation of Gene Expression Post Treatment</i> https://dc.etsu.edu/asrf/2023/schedule/67

Satterly, Alaina	127	<i>Circadian Rhythm of the Black Tiger Hissing Cockroach Gromphadorhina grandidieri</i> https://dc.etsu.edu/asrf/2023/schedule/74
Upham, Jessica	126	<i>Vastly Differing Circadian Rhythms of the Spiders Cyrtophora citricola and Allocyclosa bifurca Suggest Short Clocks Pair with Diurnal Crypsis</i> https://dc.etsu.edu/asrf/2023/schedule/122

Undergraduate Students - Biomedical & Physio Sciences

Burke, Benjamin	133	<i>Maintaining Body Composition During a Peaking Phase in Powerlifters</i> https://dc.etsu.edu/asrf/2023/schedule/149
Eastman, Ashlee	135	<i>Sensory Stimulus-mediated Neural Synchrony in the Prefrontal Cortex: An Investigation into the Effects of Caffeine</i> https://dc.etsu.edu/asrf/2023/schedule/19
Elam, Brianna	136	<i>Dab2 correlates with ADAR1 in regulating cellular functions</i> https://dc.etsu.edu/asrf/2023/schedule/175
Grunstra, Lydia	132	<i>Validity and Test-Retest Reliability of a Digital Dynamic Visual Acuity Test of Vestibular Function</i> https://dc.etsu.edu/asrf/2023/schedule/141
Ivanich, Kira	134	<i>Analysis of the effects of a novel anti-inflammatory on anxiety, apathy, and cognition in a mouse model of Alzheimer's Disease</i> https://dc.etsu.edu/asrf/2023/schedule/115
Phipps, Madison	130	<i>A collaborative undergraduate research project to assess the effects of prolonged estrogen loss on cardiovascular structure and function in female mice</i> https://dc.etsu.edu/asrf/2023/schedule/16
Sosebee, Sarah	129	<i>The impact of ovariectomy on the sympathetic response following acute vs prolonged heart failure</i> https://dc.etsu.edu/asrf/2023/schedule/21
Thompson, William	131	<i>Hypersensitive and Circadian Effects of Acebutolol Administration in Scn1b^{-/-} Mice</i> https://dc.etsu.edu/asrf/2023/schedule/71
Wren, Noah	128	<i>Use of Adipophilin and Perilipin to Determine Fat Deposition in Renal and Hepatic Tissue in Mice Overexpressing CTRP3</i> https://dc.etsu.edu/asrf/2023/schedule/82

Undergraduate Students - Psychology & Sociology Group A

Ahmed, Cristal	153	<i>Pharmacological Characterization of the Reinforcement-Related Effects of THC in Male and Female Rats.</i> https://dc.etsu.edu/asrf/2023/schedule/68
Chung, Frances	155	<i>The Impact of COVID-19 on First-Year Medical Students as a Function of "Percentage At Risk" for Adverse Psychological Outcomes</i> https://dc.etsu.edu/asrf/2023/schedule/168
Escobedo, Wendy	154	<i>Born into the Struggle: The Relationship Between Witnessing Household Intimate Partner Violence and Latinx Adolescent Suicidal Ideation</i> https://dc.etsu.edu/asrf/2023/schedule/5
Johnson, Desiree	157	<i>My Jesus Vs. Yours: Morality Salience Increases Positivity in Implicit and Explicit Images of Christ</i> https://dc.etsu.edu/asrf/2023/schedule/79
Malibari, Jehad	151	<i>Exploratory research on predictors of conspiracy theory beliefs in younger generations</i> https://dc.etsu.edu/asrf/2023/schedule/45
Masiello, Angela	152	<i>The Hidden Opponent: A Quantitative Study of Stress and Support of Injured Collegiate Athletes.</i> https://dc.etsu.edu/asrf/2023/schedule/176
Perez, Rachel	156	<i>Quest religiosity and isolation</i> https://dc.etsu.edu/asrf/2023/schedule/77

Undergraduate Students - Psychology & Sociology Group B

Boyer, Thomas	149	<i>One step ahead: Minimizing clinician burnout via a supportive and reflective supervision model</i> https://dc.etsu.edu/asrf/2023/schedule/72
Inscore, Phylcia	150	<i>Exposure to Chronic Intermittent Ethanol Vapor in Adolescence Differentially Affects Consumatory and Appetitive Behavior in Response to a Non-Drug Reward in Adulthood</i> https://dc.etsu.edu/asrf/2023/schedule/56
Jenkins, Julianna	146	<i>Putting Policy into Practice: A Qualitative Analysis of Front-Line Care Work in Human Services</i> https://dc.etsu.edu/asrf/2023/schedule/3

Johnson, Ron	148	<i>An examination of coal mining versus renewable energy: How this "Just Transition" is starting to heal Southern Appalachia's land and people.</i> https://dc.etsu.edu/asrf/2023/schedule/125
Jovancevic, Lena	147	<i>Burnout in Human Services: Collaboration as a Prevention Strategy</i> https://dc.etsu.edu/asrf/2023/schedule/4
Ledford, Lauren	144	<i>Fostering a Trauma Informed Mindset in the Criminal Justice System: An Evaluation of the Take Care Delaware Program</i> https://dc.etsu.edu/asrf/2023/schedule/135
Salyer, Chloe	145	<i>Religiosity and Substance Use: The Moderating Effect of the COVID-19 Pandemic</i> https://dc.etsu.edu/asrf/2023/schedule/127

Undergraduate Students - Public Health & Healthcare

Chicco, Lillian	143	<i>The Increased Antioxidant Content in Grain and Dairy Free Banana Bread versus Regular Banana Bread while Considering the Acceptance of Texture and Taste</i> https://dc.etsu.edu/asrf/2023/schedule/96
Coleman, Callie	142	<i>Nutrition Needs Assessment for women of childbearing age with Polycystic Ovarian Syndrome</i> https://dc.etsu.edu/asrf/2023/schedule/98
Dockery, Nathan	137	<i>Statistical Analysis of diarrheal disease prevalence among children in households in Haiti</i> https://dc.etsu.edu/asrf/2023/schedule/181
Dos Santos Medeiros, Caroline	140	<i>Determining Changes in Fecal Fermentation Profile and Weight Gain in a Murine Model Consuming a Mediterranean Diet v. Western Diet</i> https://dc.etsu.edu/asrf/2023/schedule/13
Eastman, James	139	<i>Mental Health and Substance Use among Caregivers in Rural and Non-Metropolitan Areas</i> https://dc.etsu.edu/asrf/2023/schedule/25
Frye, Holly	138	<i>The Continuing Rise of the Opioid Epidemic in Appalachian Regions: A Public Health Analysis of Regional Programs and Potential Solutions</i> https://dc.etsu.edu/asrf/2023/schedule/101
Herrell, Ursula	141	<i>Type 1 Diabetes in the Classroom</i> https://dc.etsu.edu/asrf/2023/schedule/203