2018 Appalachian Student Research Forum

April 4 - 5, 2018

Millennium Centre • Johnson City, TN
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Presenters List ........................................................................................................... A-1
About the ASRF

The Forum is an annual event in which undergraduate, graduate, medical and pharmacy students as well as post-doctoral fellows and medical residents present their research in a formal setting. The Forum is open to students from all colleges and universities within the southern Appalachian region.

The Forum hosts both poster and oral presentations. The poster presentation session is open to all participants (undergraduate, graduate and medical and pharmacy students, medical residents and post-doctoral fellows). Graduate, medical and pharmacy students, medical residents and post-doctoral fellows only are eligible to participate in the oral sessions. Participation is limited only by time and space constraints.

Throughout its history, East Tennessee State University has placed emphasis on research and the mission to conduct scholarship that improves the human condition. ETSU held its first student research forum on March 8, 1985 with 19 students participating. What began as program only for the College of Medicine has expanded to become a major region-wide event which attracts over 200 undergraduate, graduate, pharmacy and medical student, resident physician, and post-doctoral fellow participants.

A task force of ETSU faculty members oversees this annual event. Students from all fields of study have presented their work at the Forum. Many of these students have gone on to present their research findings at regional, state, and national meetings in their field.

The Appalachian Student Research Forum has brought several nationally recognized individuals to campus as keynote speakers for the event. Noted 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.

To learn about past Appalachian Student Research Forum events dating back to 2004, visit http://www.etsu.edu/studentresearch/aboutasrf.php.
## Event Schedule – Day 1

### Wednesday, April 4, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Oral Presentations</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00am – 3:15pm</td>
<td><strong>Oral Presentations</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Doctoral Students</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biomedical Science</td>
<td>9:00am – 11:00am</td>
<td>Ripshin Mtn. Room 130</td>
</tr>
<tr>
<td>Natural Sciences</td>
<td>1:00pm – 3:00 pm</td>
<td>Ripshin Mtn. Room 130</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences – A</td>
<td>9:00am – 11:15am</td>
<td>Auditorium Room 137B</td>
</tr>
<tr>
<td>Social &amp; Behavioral Sciences – B</td>
<td>1:00pm – 3:15pm</td>
<td>Auditorium Room 137B</td>
</tr>
<tr>
<td><strong>Masters Students</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biomedical Science</td>
<td>11:00am – 12:15pm</td>
<td>Ripshin Mtn. Room 130</td>
</tr>
<tr>
<td>Education, Social &amp; Behavioral Sciences - A</td>
<td>9:00am – 1:00pm</td>
<td>Auditorium Room 137A</td>
</tr>
<tr>
<td>Education, Social &amp; Behavioral Sciences - B</td>
<td>1:00pm – 3:00pm</td>
<td>Auditorium Room 137A</td>
</tr>
<tr>
<td>Natural Sciences – A</td>
<td>9:00am – 11:00am</td>
<td>Bays Mtn. Room 125</td>
</tr>
<tr>
<td>Natural Sciences - B</td>
<td>1:00pm – 3:00pm</td>
<td>Bays Mtn. Room 125</td>
</tr>
<tr>
<td>12:00pm – 4:30pm</td>
<td><strong>Poster Check-in &amp; Set-up</strong></td>
<td>Ballroom, 2nd Floor</td>
</tr>
</tbody>
</table>
Event Schedule – Day 2

Thursday, April 5, 2018

8:00am – 2:00pm  Poster Viewing  2nd Floor
Ballroom
WhiteTop Mtn Room 225
Mt. Mitchell Room 220
Clinch Mtn Room 215

8:30am – 12:00pm  Poster Judging  2nd Floor
Ballroom
WhiteTop Mtn Room 225
Mt. Mitchell Room 220
Clinch Mtn Room 215

12:00pm – 1:00pm  Lunch (ticket required)  1st Floor Atrium

1:00pm – 2:00pm  Keynote Address  Auditorium Room
137B

2:15 pm – 3:00 pm  Awards Ceremony  Auditorium Room
137B
Keynote Presentation

2018 Keynote Speaker

Dr. Richard Ignace

Dr. Richard Ignace is a professor in the Department of Physics and Astronomy and the Director of Undergraduate Research and Creative Activities at East Tennessee State University. His research interests include the theoretical, from radiative transfer, magnetic fields, to exoplanets, and the observational, including x-ray, ultraviolet, infrared, and radio astronomy. In his role as Director of the Office of Undergraduate Research & Creative Activities he oversees student-faculty collaborative grants, summer fellowships, travel grants, and the annual Boland Undergraduate Research Symposium.

Keynote Address Abstract:
“Mapping the Environments of Massive Stars: A chapter in the story of the interrelated cosmos"

Scientists are curious people. One of the things that most fascinates me is how we know the things that we claim to know. Astronomical study is an excellent subject in which to explore this fascination, since in the effort to understand the history of the universe and its future trajectory, humans are limited to surveying the heavens from only the Earth. Consequently, astronomers employ methods that involve multi-wavelength and temporal approaches for piecing together the story of the cosmos. One aspect of this is the disproportionate impact that massive stars have for cosmic evolution. In particular, many outstanding questions regarding the impacts of mass-loss for this chapter of cosmic history remain. I discuss recent efforts at discerning the environments of mass stars - winds, shells, clumps, disks, and other structures - for resolving these outstanding issues.
ASRF Task Force

Dr. Aruna Kilaru, Task Force Chair
Biological Sciences

Dr. Karin Bartoszuk
School of Graduate Studies

Ms. Dinah DeFord
McNair Program

Ms. Wendy Eckert
Research and Sponsored Programs

Dr. Scott Honeycutt
Literature and Language

Dr. Richard Ignace
Undergraduate Research and Physics & Astronomy

Dr. Dhirendra Kumar
Biological Sciences

Dr. Mike Ramsey
Sports, Exercise, Recreation and Kinesiology

Dr. Ranjan Chakraborty
Health Sciences

Dr. William R. Duncan
Vice Provost for Research

Dr. Lee Glenn
College of Nursing

Dr. David Hurley
Pharmaceutical Sciences

Dr. John King
Communication

Dr. Cecilia McIntosh
School of Graduate Studies and Biological Sciences

ASRF Logistical Team

Office of Research & Sponsored Programs
Ms. Angela Clark
Ms. Cynthia Hardin
Ms. Lindsay Keitzer
Mr. Morgan Taylor
ASRF Judges

Many thanks to the following faculty and staff members who are giving their time and effort to serve as Judges for the poster and oral competitions.

POSTER PRESENTATIONS

Arsham Alamian
Karin Bartoszuk
Eric Beaumont
Patrick Bradshaw
Candace Bright
Russell Brown
Regenia Campbell
Michelle Chandley
Donna Cherry
Alyson Chroust
Karen Cummings-Lilly
Suman Dalal
Heather Dye
Eileen Ernenwein
Jim Fox
Retha Gentry
Jean Hemphill
Yong Jiang
Andrew Joyner
Michael Kruppa
Alissa Lange
Janice Lazear
Ingrid Luffman

ORAL PRESENTATIONS

Greta Marek
Catherine McCusker
Pamela Mims
Darrell Moore
Diana Morelen
Lisa Ousley
Tammy Ozment
Jodi Polaha
Aaron Polichnowski
Brooks Pond
Victoria Pope
Diego Rodriguez-Gil
Antonio Rusinol
Dane Scott
Candice Short
Katherine Silva
Krishna Singh
Sanjay Singh
Douglas Thewke
Carol Trivette
Moin Uddin
Liang Wang
Qian Xie

Stacy Brown
Brittany Butler
Andrea Clements
Ivy Click
Karen Cummings-Lilly
Suman Dalal
Mohamed Elgazzar
Allan Forsman
Michael Kruppa
Ying Li
Sharon Loury
Aaron Polichnowski
Megan Quinn
Abbas Shilabin
Katherine Silva
Michael Smith
Jennifer Treece
Florence Weierbach
Faustine Williams
Valentin Yakubenko

Alternate Judges

Kate Beatty
Andy Clark
Myra Clark

Gerald Deehan
William R. Duncan
Gary Henson

Aruna Kilaru
Hana Mikdachi
Alex Sargsyan
ASRF 2018 Partners

Gold

The East Tennessee State University Research Foundation

Silver

The Center for Community Outreach and Applied Research
The Office of the President of East Tennessee State

Bronze

Sarstedt Inc.

East Tennessee State University’s:

- Office of the VP for Academic Affairs
- Office of the VP for Student Affairs
- Center for Nursing Outreach
- Continuing Studies and Academic Outreach
- Dept of Biological Sciences
- Dept of Biomedical Sciences
- Dept of Chemistry
- Dept of Geosciences
- Dept of Internal Medicine
- Dept of Pediatrics
- Dept of Psychology
- The Graduate School
- The Honors College
- Office of the Dean for Public Health
- Office of the Dean of the College of Arts & Sciences
- Office of the Dean of the College of Education
- Office of the VP for Health Affairs
- SERK
- The Sherrod Library
ASRF 2018 Contributors

- College of Business and Technology
- College of Pharmacy
- Dept of Audiology & Speech-Language Pathology
- Dept of Biostatistics and Epidemiology
- Dept of Communication & Performance
- Dept of Community & Behavioral Health
- Dept of Computing
- Dept of Engineering, Tech, Surveying & Dig. Media
- Dept of Environmental Health
- Dept of Health Sciences
- Dept of Health Services Management and Policy
- Dept of Literature & Language
- Dept of Obstetrics & Gynecology
- Dept of Pharmaceutical Sciences
- Dept of Pharmacy Practice
- Dept of Philosophy & Humanities
- Dept of Physics & Astronomy
- Dept of Sociology & Anthropology
- Dept of Surgery
- The McNair Program
- Office of the Dean of the College of Medicine
- Office of Equity and Diversity
- The Roan Scholars Leadership Program

Special Thanks
to the Students of the McNair Program
In Honor of Ten Years of Service to the Appalachian Student Research Forum
2007 - 2017

In memory of
Loretta “Carole” Thomason
1961 - 2017
## 2018 Appalachian Student Research Forum Award Winners

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Title</th>
<th>Advisor</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affadu-Danful, George</td>
<td>First Place, Masters Natural Sciences Group A Oral Presentation</td>
<td>Immobilization Of Gold Nanoparticles On Nitrided Carbon Fiber Ultramicroelectrodes By Direct Reduction As A Platform For Measuring Electrocatalytic Properties</td>
<td>Dr. Gregory Bishop</td>
<td>East Tennessee State University</td>
</tr>
<tr>
<td>Alabdulwaheed, Abdulhameed</td>
<td>First Place, Masters Natural Sciences Group B Poster Presentation</td>
<td>3D-Printed Fluidic Devices And Incorporated Graphite Electrodes For Electrochemical Immunoassay Of Biomarker Proteins</td>
<td>Dr. Gregory Bishop</td>
<td>East Tennessee State University</td>
</tr>
<tr>
<td>Alharbi, Helal</td>
<td>First Place, Masters Natural Sciences Group A Poster Presentation</td>
<td>Synthesis Of Diazonium N-(Perfluoroalkyl) Benzenesulfonimide Zwitterionic Polymers For Proton Exchange Membrane Fuel Cells</td>
<td>Dr. Hua Mei</td>
<td>East Tennessee State University</td>
</tr>
<tr>
<td>Ameen, Muhammad</td>
<td>Second Place, Masters Biomedical Sciences Poster Presentation</td>
<td>Vitamin B2 Reduces Amyloid-Beta Proteotoxicity And Improves Health In A Caenorhabditis Elegans Alzheimer’S Disease Model</td>
<td>Dr. Patrick Bradshaw</td>
<td>East Tennessee State University</td>
</tr>
<tr>
<td>Andrews, Shantaya</td>
<td>First Place, Masters Natural Sciences Group B Oral Presentation</td>
<td>Characterization Of Sip470, A Plant Lipid Transfer Protein, And Its Role In Plant Defense Signaling</td>
<td>Dr. Dhirendra Kumar</td>
<td>East Tennessee State University</td>
</tr>
<tr>
<td>Birchfield, Aaron</td>
<td>Second Place, Masters Natural Sciences Group A Poster Presentation</td>
<td>Crystallization And Analysis Of Tag Effects Using A Flavonol Specific Glucosyltransferase From Grapefruit</td>
<td>Dr. Cecilia McIntosh</td>
<td>East Tennessee State University</td>
</tr>
<tr>
<td>Bishop, Kaelyn</td>
<td>Second Place, Undergraduate Social &amp; Behavioral Sciences Group B Poster Presentation</td>
<td>Perception And Acceptability Of Violence In Video Games, Movies, And News</td>
<td>Dr. Andrea Clements</td>
<td>East Tennessee State University</td>
</tr>
<tr>
<td>Blosser, Peter</td>
<td>Second Place, Medical Students Social, Behavioral, Biomedical &amp; Health Sciences Group A Poster</td>
<td>Differential Diagnosis Of Pan-Uveitis: Behçet’S Disease</td>
<td>Dr. Tiffany Lasky</td>
<td>East Tennessee State University</td>
</tr>
<tr>
<td>Bowles, Alicia</td>
<td>First Place, Residents &amp; Clinical Fellows Case Studies Group C Poster Presentation</td>
<td>Gi Bleed In A Hemodialysis Patient With Calciphylaxis And Paroxysmal Atrial Fibrillation: Should Warfarin Therapy Be Continued?</td>
<td>Dr. Jennifer Treece</td>
<td>East Tennessee State University</td>
</tr>
</tbody>
</table>
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<tr>
<th>Name</th>
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<th>Advisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridges, Christopher MD</td>
<td>Second Place, Residents &amp; Clinical Fellows Case Studies Group A Poster Presentation</td>
<td>Overcoming Barriers To End Of Life Planning For Residents In Primary Care</td>
<td>Dr. Jodi Polaha, Advisor, Department of Family Medicine, East Tennessee State University</td>
</tr>
<tr>
<td>Carr, Laura</td>
<td>First Place, Undergraduate Humanities &amp; Education Poster Presentation</td>
<td>Cleopatra: Perceptions And Reality</td>
<td>Dr. Joel Van Amberg, Advisor, Department of History, Tusculum College</td>
</tr>
<tr>
<td>Chambers, Jessica</td>
<td>Second Place, Undergraduate Social &amp; Behavioral Sciences Group A Poster Presentation</td>
<td>Internalizing Symptoms Associated With Emotional Abuse: An Examination Of Religious Social Support As A Moderating Variable</td>
<td>Dr. Diana Morelen, Advisor, Department of Psychology, East Tennessee State University</td>
</tr>
<tr>
<td>Chapman, Rudy</td>
<td>First Place, Doctoral Biomedical Sciences Poster Presentation</td>
<td>Axonal Regrowth Of Olfactory Sensory Neurons After Chemical Ablation With Methimazole</td>
<td>Dr. Diego Rodriguez-Gil, Advisor, Department of Biomedical Science, East Tennessee State University</td>
</tr>
<tr>
<td>Cox, Taylor</td>
<td>First Place, Masters Education &amp; Learning Poster Presentation</td>
<td>Promoting Health Education And Literacy In Rural Tennessee: The Go-Packs Pilot Project</td>
<td>Dr. Anthony DeLucia, Advisor, Department of Surgery, East Tennessee State University</td>
</tr>
<tr>
<td>Daniels, Jesse</td>
<td>Second Place, Masters Natural Sciences Group B Oral Presentation</td>
<td>Direct And Indirect Effects Of Invasive Cirsium Arvense On Pollination In Southern Appalachian Floral Communities</td>
<td>Dr. Gerardo Arceo-Gomez, Advisor, Department of Biological Sciences, East Tennessee State University</td>
</tr>
<tr>
<td>Dempsey, Brian</td>
<td>First Place, Undergraduate Natural Sciences &amp; Engineering Group A Poster Presentation</td>
<td>Small Mammal Mortality Caused By Roadside Containers On A Heavily Trafficked Forest Service Road In The Cherokee National Forest</td>
<td>Dr. Tom Laughlin, Department of Biology, College of Arts and Sciences, East Tennessee State University</td>
</tr>
<tr>
<td>Fasanello, Nicholas</td>
<td>First Place, Undergraduate Social &amp; Behavioral Sciences Group B Poster Presentation</td>
<td>Self-Esteem As A Mediator Of Internalized Stigma And Health In Sexual Minority Women</td>
<td>Dr. Stacey Williams, Advisor, Department of Psychology, East Tennessee State University</td>
</tr>
<tr>
<td>Gardner, Austin</td>
<td>Second Place, Masters Pharmacy Poster Presentation</td>
<td>Metabolic Targets Of Gnaphalin Mediated Apoptosis In Colon And Pancreatic Cancer Cell Lines</td>
<td>Dr. Victoria Palau, Advisor, Department of Internal Medicine, East Tennessee State University</td>
</tr>
<tr>
<td>Garner, Chris</td>
<td>First Place, Residents &amp; Clinical Fellows Biomedical Sciences Group A Poster Presentation</td>
<td>Improving Male Vaccine Uptake For Human Papilloma Virus In A Family Medicine Residency Program</td>
<td>Dr. Amanda Stoltz, Advisor, Department of Family Medicine, East Tennessee State University</td>
</tr>
<tr>
<td>Name</td>
<td>Category</td>
<td>Title</td>
<td>Advisor</td>
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<tr>
<td>Gauck, Megan</td>
<td>First Place, Undergraduate Natural Sciences &amp; Engineering Group B Poster Presentation</td>
<td>Evaluation Of Circadian Regulated Behavior In The Southern Black Widow, Latrodectus Mactans</td>
<td>Dr. Thomas Jones, Advisor, Department of Biological Sciences, East Tennessee State University</td>
</tr>
<tr>
<td>Grimsley, Christina</td>
<td>First Place, Residents &amp; Clinical Fellows Case Studies Group B Poster Presentation</td>
<td>Case Report: Tension Pneumothorax Complicated By Massive Subcutaneous Emphysema</td>
<td>Dr. Stephen Blankenship, Advisor, Center for Experiential Learning, East Tennessee State University</td>
</tr>
<tr>
<td>Harris, Joseph</td>
<td>First Place, Doctoral Natural Sciences Oral Presentation</td>
<td>The Impact Of Subsidence On Industrial Complexes In The Lower Mississippi River Industrial Corridor</td>
<td>Dr. T. Andrew Joyner, Advisor, Department of Geosciences, East Tennessee State University</td>
</tr>
<tr>
<td>Harrison, Matthew</td>
<td>Second Place, Masters Natural Sciences Group A Oral Presentation</td>
<td>Self-Organized Structures: Modeling Polistes Dominula Nest Construction With Simple Rules</td>
<td>Dr. Christopher Wallace, Advisor, Department of Computing, East Tennessee State University</td>
</tr>
<tr>
<td>Job, Sarah</td>
<td>First Place, Masters Education, Social &amp; Behavioral Sciences Group A Oral Presentation</td>
<td>A Path Analysis Approach To Proximal Minority Stress And Problematic Drinking</td>
<td>Dr. Stacey Williams, Advisor, Department of Psychology, East Tennessee State University</td>
</tr>
<tr>
<td>Kamran, Beenish</td>
<td>First Place, Masters Education, Social &amp; Behavioral Sciences Group B Oral Presentation</td>
<td>Identifying Motivators And Barriers For Wellness Programs To Inform Recruitment And Retention Of Diabetes Prevention Programs (DPPS)</td>
<td>Dr. Deborah Slawson, Advisor, Department of Community and Behavioral Health, East Tennessee State University</td>
</tr>
<tr>
<td>Keith, Sydney</td>
<td>Second Place, Undergraduate Biomedical Sciences Group B Poster Presentation</td>
<td>Experimental Protocol For The Production Of Bacterial Expressed Ctrp3</td>
<td>Dr. Jonathan Peterson, Advisor, Department of Health Sciences, East Tennessee State University</td>
</tr>
<tr>
<td>Ketchem, Shannon</td>
<td>First Place, Masters Pharmacy Poster Presentation</td>
<td>Dopamine Cell Loss Within The Nigrostriatal Pathway Due To Oxidative Stress From Chronic Methylphenidate</td>
<td>Dr. Brooks Pond, Advisor, Department of Pharmaceutical Sciences, East Tennessee State University</td>
</tr>
<tr>
<td>Khalaf, Rossa</td>
<td>First Place, Residents &amp; Clinical Fellows Biomedical Sciences Group B Poster Presentation</td>
<td>Marginal Zone Lymphoma With Hyper Viscosity Syndrome Responding To Plasmapheresis And Chemo Immunotherapy</td>
<td>Dr. De Jaishankar, Advisor, Department of Internal Medicine, East Tennessee State University</td>
</tr>
<tr>
<td>Name</td>
<td>Category</td>
<td>Title</td>
<td>Advisor(s)</td>
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<tr>
<td>Kuku, Olubunmi</td>
<td>Second Place, Masters Social &amp; Behavioral Sciences Poster Presentation</td>
<td>Association Between Depression And Physical Health Among College Adults: The Mediating Roles Of Physical Activity And Diet</td>
<td>Dr Julia Dodd, Advisor, Department of Psychology, East Tennessee State University</td>
</tr>
<tr>
<td>LeMay, Carrie</td>
<td>First Place, Doctoral Social &amp; Behavioral Sciences Poster Presentation</td>
<td>The Relationship Between Adverse Childhood Experiences, Mental Health Outcomes, And Polypharmacy Among Psychiatric Inpatients In Secure Forensic Care</td>
<td>Dr. Jill Stinson, Advisor, Department of Psychology, East Tennessee State University</td>
</tr>
<tr>
<td>Magno, Melissa</td>
<td>Second Place, Undergraduate Natural Sciences &amp; Engineering Group B Poster Presentation</td>
<td>Spatial Interpolation Of Heavy Metal Concentrations In Soils Of Bumpus Cove, Tn</td>
<td>Dr. Ingrid Luffman &amp; Dr. Arpita Nandi, Advisors, Department of Geosciences, East Tennessee State University</td>
</tr>
<tr>
<td>Maguire, Joseph</td>
<td>First Place, Residents &amp; Clinical Fellows Case Studies Group A Poster Presentation</td>
<td>A Rare Case Of Tolosa-Hunt Syndrome</td>
<td>Dr. Thad Snyder, Advisor, Department of Internal Medicine, East Tennessee State University</td>
</tr>
<tr>
<td>McKinney, Jessica</td>
<td>First Place, Doctoral Social &amp; Behavioral Sciences Group A Oral Presentation</td>
<td>Self-Compassion And Suicide Risk In Veterans: Serial Effects Of Shame, Guilt, And PTSD</td>
<td>Dr. Jameson Hirsch, Advisor, Department of Psychology, East Tennessee State University</td>
</tr>
<tr>
<td>Miller, Brandon</td>
<td>First Place, Medical Students Social, Behavioral, Biomedical &amp; Health Sciences Group A Poster Presentation</td>
<td>Effects Of Pododcyte Dysfunction On The Susceptibility To Hypertensive Glomerulosclerosis</td>
<td>Dr. Aaron Polichnowski, Advisor, Department of Biomedical Science, East Tennessee State University</td>
</tr>
<tr>
<td>Moka, Nagaishwarya</td>
<td>First Place, Residents &amp; Clinical Fellows Case Studies Group D Poster Presentation</td>
<td>Delta-Tocotrienol And Simvastatin Induces Differential Cytotoxicity And Synergy In Braf Wild-Type Sk-Mel-2 And Mutant Braf Sk-Mel-28 Melanoma Cancer Cells</td>
<td>Dr. Koyamangalath Krishnan, Advisor, Department of Internal Medicine, East Tennessee State University</td>
</tr>
<tr>
<td>Mwirigi, Kiriinya</td>
<td>Second Place, Doctoral Social &amp; Behavioral Sciences Group A Oral Presentation</td>
<td>Increasing Fruits And Vegetable Consumption Among Snap Recipients Through An Innovative Prescription Program: Appalachian Farmacy</td>
<td>Dr. Deborah Slawson, Advisor, Department of Community and Behavioral Health, East Tennessee State University</td>
</tr>
<tr>
<td>Neighbor, Rebecca</td>
<td>Second Place, Medical Students Social, Behavioral, Biomedical &amp; Health Sciences Group B Poster Presentation</td>
<td>Gojoco Trail Awareness</td>
<td>Dr. Karen Schetzina, Advisor, Department of Pediatrics, East Tennessee State University</td>
</tr>
</tbody>
</table>
# 2018 Appalachian Student Research Forum Award Winners

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Title</th>
<th>Advisor and Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oliver, Joe</td>
<td>Second Place, Undergraduate Biomedical Sciences Group A Poster Presentation</td>
<td>Inhibition Of Focal Adhesion Kinase Promotes Adult Olfactory Stem Cell Self-Renewal And Neuroregeneration Via Ciliary Neurotrophic Factor</td>
<td>Dr. Cuihong Jia, Advisor, Department of Biomedical Sciences, East Tennessee State University</td>
</tr>
<tr>
<td>Orimaye, Sylvester</td>
<td>Second Place, Masters Education, Social &amp; Behavioral Sciences Group B Oral Presentation</td>
<td>Association Between Alzheimer’S Disease And Rural Northeast Tennessee Region Between 2013 And 2015</td>
<td>Dr. Jodi Southerland, Advisor, Department of Community and Behavioral Health, East Tennessee State University</td>
</tr>
<tr>
<td>Patel, Amit</td>
<td>Second Place, Residents &amp; Clinical Fellows Biomedical Sciences Group A Poster Presentation</td>
<td>Addressing Gaps In Immunization Rates In A Family Medicine Residency Clinic</td>
<td>Dr. Leigh Johnson, Advisor, Department of Family Medicine, East Tennessee State University</td>
</tr>
<tr>
<td>Pathak, Asmit</td>
<td>First Place, Doctoral Biomedical Sciences Oral Presentation</td>
<td>C-Reactive Protein Is An Atheroprotective Molecule</td>
<td>Dr. Alok Agrawal, Advisor, Department of Biomedical Sciences, East Tennessee State University</td>
</tr>
<tr>
<td>Pugh, Kelley</td>
<td>First Place, Masters Social &amp; Behavioral Sciences Poster Presentation</td>
<td>Self-Forgiveness And Suicide Risk In Veterans: Examining Serial Linkages Of Shame And Interpersonal Needs</td>
<td>Dr. Jameson Hirsch, Advisor, Department of Psychology, East Tennessee State University</td>
</tr>
<tr>
<td>Puszkiewicz, Kelcey</td>
<td>Second Place, Doctoral Social &amp; Behavioral Sciences Poster Presentation</td>
<td>Early Childhood Adversity, Socioecological Influences, And Delinquent Behaviors In A Treatment Sample Of Male Adolescents</td>
<td>Dr. Jill Stinson, Advisor, Department of Psychology, East Tennessee State University</td>
</tr>
<tr>
<td>Rahimi-Saber, Anahita</td>
<td>First Place, Medical Students Social, Behavioral, Biomedical &amp; Health Sciences Group B Poster Presentation</td>
<td>Transgender Medicine Integrated Grand Rounds: Are Medical Students Receiving Enough Education To Competently Care For Our Patients?</td>
<td>Dr. Ivy Click, Advisor, Department of Family Medicine, East Tennessee State University</td>
</tr>
<tr>
<td>Rahman, Mahbubur</td>
<td>Second Place, Doctoral Natural Sciences Oral Presentation</td>
<td>Transient Expression Of Avocado Dgat1 And Pdat1 In N. Benthamiana Leaves</td>
<td>Dr. Aruna Kilaru, Advisor, Department of Biological Sciences, East Tennessee State University</td>
</tr>
<tr>
<td>Roden, John III</td>
<td>Second Place, Undergraduate Natural Sciences &amp; Engineering Group A Poster Presentation</td>
<td>Determining The Physiological And Behavioral Methods Of Salinity Tolerance In Corbicula Fluminea</td>
<td>Dr. Joseph Bidwell, Advisor, Department of Biological Sciences, East Tennessee State University</td>
</tr>
<tr>
<td>Name</td>
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<td>Title</td>
<td>Advisor(s)</td>
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<tr>
<td>Rotimi, Oluyemi</td>
<td>Second Place, Masters Education, Social &amp; Behavioral Sciences Group A Oral Presentation</td>
<td>Factors That Affect Early Sexual Initiation In A Sample Of College Students In North-East Tennessee: The Role Of Adverse Childhood Experiences, Economic Hardship, Family Structure And Religiosity</td>
<td>Dr Mildred Maisonet, Advisor, Department of Biostatistics and Epidemiology, East Tennessee State University</td>
</tr>
<tr>
<td>Ryan, Chelsea</td>
<td>First Place, Doctoral Social &amp; Behavioral Sciences Group B Oral Presentation</td>
<td>Human Papillomavirus Vaccine Uptake, Knowledge, And Acceptance For Youth: A Systematic Review Of Appalachia</td>
<td>Dr. Kiana Johnson &amp; Dr. David Wood, Advisors, Department of Pediatrics, East Tennessee State University</td>
</tr>
<tr>
<td>Scruggs, Kent</td>
<td>First Place, Masters Biomedical Sciences Poster Presentation</td>
<td>Analysis Of Neuroinflammatory Markers In The Btbr T+Tf/J Mouse Model Of Autism Spectrum Disorder</td>
<td>Dr. Michelle Chandley, Advisor, Department of Health Sciences, East Tennessee State University</td>
</tr>
<tr>
<td>Sriramoju, Vindhya M.D.</td>
<td>Second Place, Residents &amp; Clinical Fellows Biomedical Sciences Group B Poster Presentation</td>
<td>Elizabethkingia Meningoseptica Bacteremia Associated With Infective Endocarditis In An Intravenous Drug Abuser</td>
<td>Dr. Christopher Cook, Advisor, Department of Internal Medicine, East Tennessee State University</td>
</tr>
<tr>
<td>Stuffle, Derek</td>
<td>First Place, Masters Biomedical Sciences Oral Presentation</td>
<td>A C. Albicans Two Component Pathway Regulates The Cdr4 And Ssu1 Transport Genes Involved In Quorum Sensing And Response To Bacterial Signaling Molecules</td>
<td>Dr. Michael Kruppa, Advisor, Department of Biomedical Sciences, East Tennessee State University</td>
</tr>
<tr>
<td>Tanner, Katie</td>
<td>First Place, Undergraduate Social &amp; Behavioral Sciences Group A Poster Presentation</td>
<td>Insomnia And Suicide Risk In Veterans: Conditional Indirect Effects Of Perceived Burdensomeness And Self-Compassion</td>
<td>Dr. Jameson Hirsch, Advisor, Department of Psychology, East Tennessee State University</td>
</tr>
<tr>
<td>Tedder, Amanda</td>
<td>Second Place, Masters Natural Sciences Group B Poster Presentation</td>
<td>Impact Of Viviparity On Skeletal Development In A Reproductively Bimodal Squamate Species</td>
<td>Dr. Rebecca A. Pyles, Advisor, Department of Biological Sciences, East Tennessee State University</td>
</tr>
<tr>
<td>Thode, Madison</td>
<td>Second Place, Doctoral Biomedical Sciences Poster Presentation</td>
<td>A Comparison Of Word Recognition Performance For Young Adults With Normal Hearing When Listening To Two Speakers</td>
<td>Dr. Richard Wilson, Advisor, Department of Audiology &amp; Speech Pathology, East Tennessee State University</td>
</tr>
<tr>
<td>Wanamaker, Salem</td>
<td>First Place, Undergraduate Biomedical Sciences Group A Poster Presentation</td>
<td>Visualizing The Inhibitory Power Of A Novel Protein Against Citrobacter And Enterobacter Biofilms</td>
<td>Dr. Sean Fox, Advisor, Department of Health Sciences, East Tennessee State University</td>
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<tr>
<td>Winner</td>
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<td>Advisor</td>
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<tr>
<td>White, Grayson</td>
<td>First Place, Undergraduate Biomedical Sciences Group B Poster Presentation</td>
<td><em>The Effects Of Simulated Spaceflight Conditions On The Mucin Lining Of The Mouse Uterine Tube</em></td>
<td>Dr. Allan Forsman, Advisor, Department of Health Sciences</td>
</tr>
<tr>
<td>Yadav, Ruby</td>
<td>Second Place, Doctoral Social &amp; Behavioral Sciences Group B Oral Presentation</td>
<td><em>Preferences In Timing Of Sex Education Instruction Among Tennessee Sex Education Providers And Etsu College Students</em></td>
<td>Dr. Mildred Maisonet, Advisor, Department of Biostatistics and Epidemiology</td>
</tr>
<tr>
<td>Zaver, Himesh</td>
<td>Second Place, Doctoral Biomedical Sciences Oral Presentation</td>
<td><em>Ledipasvir/Sofosbuvir Induced Nephrotic Syndrome: A Challenging Case Of Hepatitis C Management</em></td>
<td>Dr. Chakradhar Reddy, Advisor, Department of Internal Medicine</td>
</tr>
</tbody>
</table>
**APPENDIX A: 2018 Appalachian Student Research Forum**

**Oral Presentations**

### Natural Sciences & Engineering

#### Post-doctoral Fellow

**Shinde, Suhas**

https://dc.etsu.edu/asrf/2018/schedule/111  
Ripshin Mtn. Room 130  
4/4/2018 1:40 PM  
*Novel Polyunsaturated N-Acylethanolamines And Their Implications In Physcomitrella Patens*

#### Master's Student

**Affadu-Danful, George**

https://dc.etsu.edu/asrf/2018/schedule/13  
Bays Mtn. Room 125  
4/4/2018 10:40 AM  

**Albright, Mark**

https://dc.etsu.edu/asrf/2018/schedule/36  
Bays Mtn. Room 125  
4/4/2018 1:40 PM  
*Dietary Fatty Acids And Temperature Effects On The Reproduction Of Daphnia Magna*

**Coggins, Bret L.**

https://dc.etsu.edu/asrf/2018/schedule/108  
Bays Mtn. Room 125  
4/4/2018 2:40 PM  
*Escaping The Arrhenius Tyranny: Metabolic Compensation During Exposure To High Temperature In Daphnia*

**Daniels, Jesse**

https://dc.etsu.edu/asrf/2018/schedule/124  
Bays Mtn. Room 125  
4/4/2018 2:20 PM  
*Direct And Indirect Effects Of Invasive Cirsium Arvense On Pollination In Southern Appalachian Floral Communities.*

**Grant, Annie**

https://dc.etsu.edu/asrf/2018/schedule/115  
Bays Mtn. Room 125  
4/4/2018 9:40 AM  
*Is Water Quality In Boone Lake A Dam Problem? An Assessment Of Water Quality Pre- And Post- Drawdown*

**Harrison, Matthew**

https://dc.etsu.edu/asrf/2018/schedule/93  
Bays Mtn. Room 125  
4/4/2018 10:00 AM  
*Self-Organized Structures: Modeling Polistes Dominula Nest Construction With Simple Rules*
APPENDIX A: 2018 Appalachian Student Research Forum

Lohani, Saroj Chandra
https://dc.etsu.edu/asrf/2018/schedule/78
Bays Mtn. Room 125
4/4/2018 2:00 PM  *Sip68, A Glucosyltransferase Protein And Its Role In Plant Defense Mechanism*

Neequaye, Theophilus
https://dc.etsu.edu/asrf/2018/schedule/12
Bays Mtn. Room 125

Reeves, Ashleigh
https://dc.etsu.edu/asrf/2018/schedule/25
Bays Mtn. Room 125

Shrestha, Sujan
https://dc.etsu.edu/asrf/2018/schedule/152
Bays Mtn. Room 125
4/4/2018 1:00 PM  *Biochemical Characterization Of Tomato Fatty Acid Amide Hydrolase*

Andrews, Shantaya B.
https://dc.etsu.edu/asrf/2018/schedule/44
Bays Mtn. Room 125
4/4/2018 1:20 PM  *Characterization Of Sip470, A Plant Lipid Transfer Protein, And Its Role In Plant Defense Signaling*

Adesoba, Taiwo P.
https://dc.etsu.edu/asrf/2018/schedule/38
Bays Mtn. Room 125
4/4/2018 9:00 AM  *Frequency And Intensity Of Heat Waves In East Tennessee: Measurements Using Various Heat Wave Definitions*

Doctoral Student

Chand Thakuri, Bal Krishna
https://dc.etsu.edu/asrf/2018/schedule/208
Ripshin Mtn. Room 130
4/4/2018 1:00 PM  *Sir2 Deacetylase Enzyme And Its Possible Role In Pathogen Infection*

Haq, Imdadul MD
https://dc.etsu.edu/asrf/2018/schedule/199
Ripshin Mtn. Room 130
4/4/2018 1:20 PM  *Fatty Acid Amide Hydrolase In Nae Metabolic Pathway In Physcomitrella Patens*

Harris, Joseph B.
https://dc.etsu.edu/asrf/2018/schedule/40
Ripshin Mtn. Room 130
4/4/2018 2:20 PM  *The Impact Of Subsidence On Industrial Complexes In The Lower Mississippi River Industrial Corridor*
APPENDIX A: 2018 Appalachian Student Research Forum

**Kusi, Joseph**
Ripshin Mtn. Room 130
4/4/2018 2:40 PM  
*Silver Nanoparticles: Emerging Environmental Contaminants In The Aquatic System*

**Rahman, Md Mahbubur**
https://dc.etsu.edu/asrf/2018/schedule/8
Ripshin Mtn. Room 130
4/4/2018 2:00 PM  
*Transient Expression Of Avocado Dgat1 And Pdat1 In N. Benthamiana Leaves*

**Biomedical & Health Sciences**

**Medical Resident or Clinical Fellow**

**Miller, Rachel MD**
https://dc.etsu.edu/asrf/2018/schedule/133
Ripshin Mtn. Room 130
4/4/2018 10:40 AM  
*Virulent Bacteria In Appalachian Tennessee Waters*

**Medical Student**

**Bowers, Hannah E.**
https://dc.etsu.edu/asrf/2018/schedule/98
Ripshin Mtn. Room 130
4/4/2018 10:00 AM  
*The Effects Of Estrogen-Induced Stromal Cell Effectors, Osteopontin And Vimentin, On Chlamydia Infections In A Non-Polarized Cell Culture Model*

**Zaver, Himesh**
https://dc.etsu.edu/asrf/2018/schedule/80
Ripshin Mtn. Room 130
4/4/2018 10:20 AM  
*Ledipasvir/Sofosbuvir Induced Nephrotic Syndrome: A Challenging Case Of Hepatitis C Management*

**Master's Student**

**Ajani, Iretioluwa**
https://dc.etsu.edu/asrf/2018/schedule/125
Ripshin Mtn. Room 130
4/4/2018 12:00 PM  
*Association Between Smoking And Functional Outcome In Acute Ischemic Stroke Population Treated With Tissue Plasminogen Activator*

**Fapo, Olushola**
https://dc.etsu.edu/asrf/2018/schedule/74
Auditorium Room 137A
4/4/2018 2:00 PM  
*Assessing And Improving Maternal Child Health Behaviors With Readnplay For A Bright Future*

**Hughes, Abigail**
https://dc.etsu.edu/asrf/2018/schedule/142
Ripshin Mtn. Room 130
4/4/2018 11:00 AM  
*Identification Of Algz Regulator, Pa2771, And Effects On Motility And Virulence In P. Aeruginosa*
APPENDIX A: 2018 Appalachian Student Research Forum

Miller, Ian
https://dc.etsu.edu/asrf/2018/schedule/76
Ripshin Mtn. Room 130

Nwabueze, Christian
https://dc.etsu.edu/asrf/2018/schedule/16
Auditorium Room 137A
4/4/2018 10:40 AM  Injurious Suicide Attempts Among Middle And High School Students

Stuffle, Derek A
Ripshin Mtn. Room 130
4/4/2018 11:20 AM  A C. Albicans Two Component Pathway Regulates The Cdr4 And Ssu1 Transport Genes Involved In Quorum Sensing And Response To Bacterial Signaling Molecules.

Doctoral Student
Jones, Rowdy
https://dc.etsu.edu/asrf/2018/schedule/123
Ripshin Mtn. Room 130
4/4/2018 9:40 AM  Striking Differences In Uromodulin Excretion And Expression, Salt-Sensitive Hypertension, And Renal Injury In Dahl Ss Vs. Bn And Ss.Bn1 Consomic Rats

Pathak, Asmita
https://dc.etsu.edu/asrf/2018/schedule/139
Ripshin Mtn. Room 130
4/4/2018 9:20 AM  C-Reactive Protein Is An Atheroprotective Molecule

Ngwa, Donald N.
https://dc.etsu.edu/asrf/2018/schedule/136
Ripshin Mtn. Room 130
4/4/2018 9:00 AM  C-Reactive Protein, Antibiotics, And Treatment Of Pneumococcal Infection In Mice

Education & Social, Behavioral Sciences

Medical Student
Ryan, Chelsea N.
https://dc.etsu.edu/asrf/2018/schedule/15
Auditorium Room 137B
4/4/2018 2:40 PM  Human Papillomavirus Vaccine Uptake, Knowledge, And Acceptance For Youth: A Systematic Review Of Appalachia

Schultz, Abby
https://dc.etsu.edu/asrf/2018/schedule/112
Auditorium Room 137B
APPENDIX A: 2018 Appalachian Student Research Forum

<table>
<thead>
<tr>
<th>Master's Student</th>
<th>Title</th>
<th>Time</th>
<th>Room</th>
<th>Link</th>
</tr>
</thead>
</table>
# APPENDIX A: 2018 Appalachian Student Research Forum

**Rotimi, Oluyemi R.**  
https://dc.etsu.edu/asrf/2018/schedule/59  
Auditorium Room 137A  
4/4/2018 10:20 AM  
*Factors That Affect Early Sexual Initiation In A Sample Of College Students In North-East Tennessee: The Role Of Adverse Childhood Experiences, Economic Hardship, Family Structure And Religiosity.*

**Uyamasi, Kido**  
https://dc.etsu.edu/asrf/2018/schedule/23  
Auditorium Room 137A  
4/4/2018 2:40 PM  
*Associations Between Family And Parental Factors And Childhood Obesity*

**Doctoral Student**

**Clingensmith, Rachel M.**  
https://dc.etsu.edu/asrf/2018/schedule/193  
Auditorium Room 137B  
4/4/2018 1:00 PM  
*Link Between Parenting Style And Offspring Empathy As Mediated By A Relationship Of Familial Emotional Climate And Emotional Regulation*

**Dreves, Parker A.**  
https://dc.etsu.edu/asrf/2018/schedule/107  
Auditorium Room 137B  
4/4/2018 10:00 AM  
*Thinking Into The Future: Motivational Consequences Of Time Perspective*

**Eisenbrandt, Lydia**  
https://dc.etsu.edu/asrf/2018/schedule/129  
Auditorium Room 137B  
4/4/2018 9:20 AM  
*Adolescents In Residential Care With Major Mental Illness*

**Gretak, Alyssa P.**  
https://dc.etsu.edu/asrf/2018/schedule/172  
Auditorium Room 137B  
4/4/2018 9:40 AM  
*Straight From Clinicians' Mouths: A Qualitative Exploration Of Barriers To Rural Reentry*

**Loudermilk, Elaine**  
Auditorium Room 137B  
4/4/2018 1:20 PM  
*Impact Of Adverse Childhood Experiences On Hiv Risk Behaviors Using A Nationally Representative Sample From 2011 And 2012*

**Mauck, Erin E.**  
https://dc.etsu.edu/asrf/2018/schedule/26  
Auditorium Room 137B  
4/4/2018 10:20 AM  
*Oregon'S Death With Dignity Act: An Evidenced-Based Approach To Improving End-Of-Life Healthcare In Tennessee*

**Mckinney, Jessica**  
https://dc.etsu.edu/asrf/2018/schedule/92  
Auditorium Room 137B  
4/4/2018 9:00 AM  
*Self-Compassion And Suicide Risk In Veterans: Serial Effects Of Shame, Guilt, And Ptsd*
APPENDIX A: 2018 Appalachian Student Research Forum

**Mwirigi, Kiriinya**
https://dc.etsu.edu/asrf/2018/schedule/213
Auditorium Room 137B
4/4/2018 11:00 AM  *Increasing Fruits And Vegetable Consumption Among Snap Recipients Through An Innovative Prescription Program: Appalachian Farmacy*

**Otwell, Rebecca**
https://dc.etsu.edu/asrf/2018/schedule/79
Auditorium Room 137B
4/4/2018 1:40 PM  *Mom Power: Replanting The Seed*

**Peluso, Anthony**
https://dc.etsu.edu/asrf/2018/schedule/145
Auditorium Room 137B
4/4/2018 2:20 PM  *Dual Method Use In A Sample Of College-Aged Women*

**Yadav, Ruby**
https://dc.etsu.edu/asrf/2018/schedule/57
Auditorium Room 137B
4/4/2018 2:00 PM  *Preferences In Timing Of Sex Education Instruction Among Tennessee Sex Education Providers And Etsu College Students*
<table>
<thead>
<tr>
<th>Title</th>
<th>Presenter</th>
<th>URL</th>
<th>Room</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>Angioimmunoblastic T-Cell Lymphoma, A Rare Disease Causing Recurrent Chylothorax.</td>
<td>Alawoki, Mariam</td>
<td><a href="https://dc.etsu.edu/asrf/2018/schedule/83">Link</a></td>
<td>Clinch Mtn. Room 215</td>
<td>4/5/2018 8:00 AM</td>
</tr>
<tr>
<td>Streptococcus Pneumoniae Bacteremia In A Late Preterm Infant</td>
<td>Anibal, Brittany</td>
<td><a href="https://dc.etsu.edu/asrf/2018/schedule/84">Link</a></td>
<td>Clinch Mtn. Room 215</td>
<td>4/5/2018 8:00 AM</td>
</tr>
<tr>
<td>Overcoming Barriers To End Of Life Planning For Residents In Primary Care</td>
<td>Bridges, Christopher MD</td>
<td><a href="https://dc.etsu.edu/asrf/2018/schedule/117">Link</a></td>
<td>Clinch Mtn. Room 215</td>
<td>4/5/2018 8:00 AM</td>
</tr>
<tr>
<td>Complete Pacemaker Lead Fracture After A Theme Park Ride</td>
<td>Khalid, Muhammad</td>
<td><a href="https://dc.etsu.edu/asrf/2018/schedule/176">Link</a></td>
<td>Clinch Mtn. Room 215</td>
<td>4/5/2018 8:00 AM</td>
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<tr>
<td>Peeling Away The Layers To Anemia</td>
<td>Luo, Alice</td>
<td><a href="https://dc.etsu.edu/asrf/2018/schedule/95">Link</a></td>
<td>Clinch Mtn. Room 215</td>
<td>4/5/2018 8:00 AM</td>
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<tr>
<td>A Rare Case Of Tolosa-Hunt Syndrome</td>
<td>Maguire, Joseph</td>
<td><a href="https://dc.etsu.edu/asrf/2018/schedule/96">Link</a></td>
<td>Clinch Mtn. Room 215</td>
<td>4/5/2018 8:00 AM</td>
</tr>
<tr>
<td>Delta-Tocotrienol And Simvastatin Induces Differential Cytotoxicity And Synergy In Braf Wild-Type Sk-Mel-2 And Mutant Braf Sk-Mel-28 Melanoma Cancer Cells</td>
<td>Moka, Nagaishwarya</td>
<td><a href="https://dc.etsu.edu/asrf/2018/schedule/59">Link</a></td>
<td>Clinch Mtn. Room 215</td>
<td>4/5/2018 8:00 AM</td>
</tr>
</tbody>
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APPENDIX A: 2018 Appalachian Student Research Forum

Panta, Utsab R.
https://dc.etsu.edu/asrf/2018/schedule/170
Clinch Mtn. Room 215
4/5/2018 8:00 AM
_Pantoea Agglomerans Bacteremia: A Rare Case Of Spontaneous Human Infection By A Plant Pathogen In An Immunocompromised Host._

Rao, Nandita S.
https://dc.etsu.edu/asrf/2018/schedule/138
Clinch Mtn. Room 215
4/5/2018 8:00 AM
_Ischemic Colitis As A Result Of Abdominal Aortic Aneurysmorrhaphy_

Singh, Kanwardeep
https://dc.etsu.edu/asrf/2018/schedule/77
Clinch Mtn. Room 215
4/5/2018 8:00 AM
_A Case Of Progressive Glomerulonephritis With Monoclonal Immunoglobulin Lambda Light Chain Deposition (Lcdd)_

Tawadros, Fady
https://dc.etsu.edu/asrf/2018/schedule/75
Clinch Mtn. Room 215
4/5/2018 8:00 AM
_Systemic Mastocytosis With Associated Cmml_

Vedantam, Venkata S.H.
https://dc.etsu.edu/asrf/2018/schedule/49
Clinch Mtn. Room 215
4/5/2018 8:00 AM
_Vitamin B12 Deficiency Anemia-Associated Malignancy Accelerated By Supplementation_

Finniss, Mathew C. MD
https://dc.etsu.edu/asrf/2018/schedule/179
Clinch Mtn. Room 215
4/5/2018 8:00 AM
_Sumatriptan Induced Coronary Vasospasm_

Medical Student

Bowles, Alicia
https://dc.etsu.edu/asrf/2018/schedule/147
Clinch Mtn. Room 215
4/5/2018 8:00 AM
_Gi Bleed In A Hemodialysis Patient With Calciphylaxis And Paroxysmal Atrial Fibrillation: Should Warfarin Therapy Be Continued?_

Carey, Andrew J
https://dc.etsu.edu/asrf/2018/schedule/140
Clinch Mtn. Room 215
4/5/2018 8:00 AM
_A Classic Presentation Of Infective Endocarditis_

Grimsley, Christina
https://dc.etsu.edu/asrf/2018/schedule/113
Clinch Mtn. Room 215
4/5/2018 8:00 AM
_Case Report: Tension Pneumothorax Complicated By Massive Subcutaneous Emphysema_
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Obeng, George
https://dc.etsu.edu/asrf/2018/schedule/45
Clinch Mtn. Room 215
4/5/2018 8:00 AM  \textit{Therapeutic Misadventure With A Beta Blocker During A Thyroid Storm In An Undiagnosed Hyperthyroid Patient.}

Simon, Remil BS
https://dc.etsu.edu/asrf/2018/schedule/165
Clinch Mtn. Room 215
4/5/2018 8:00 AM  \textit{Treatment Of Cmv Vitritis In A Preterm Newborn}

Wilhoite, David
https://dc.etsu.edu/asrf/2018/schedule/73
Clinch Mtn. Room 215
4/5/2018 8:00 AM  \textit{Life Threatening Gi Bleeding From Stomal Varices Managed By Tips And Amplatzer Plug Embolization}

Humanities & Education

Undergraduate Student

Carr, Laura
https://dc.etsu.edu/asrf/2018/schedule/118
Ballroom
4/5/2018 8:00 AM  \textit{Cleopatra: Perceptions And Reality}

Dinsmore, Kimberly
https://dc.etsu.edu/asrf/2018/schedule/103
Ballroom
4/5/2018 8:00 AM  \textit{Factor And Cluster Analysis Of Learning Orientation Questionnaire}

Gilmer, Dustin
https://dc.etsu.edu/asrf/2018/schedule/41
Ballroom
4/5/2018 8:00 AM  \textit{Factors That Influence Success In Research Funding A Quantitative Study}

Voiles, Rebekah
https://dc.etsu.edu/asrf/2018/schedule/6
Ballroom
4/5/2018 8:00 AM  \textit{Greed And Parrots: Examining The Emergence Of Pirate Tropes In Treasure Island}

Natural Sciences & Engineering

Undergraduate Student

Anderson, Victoria
https://dc.etsu.edu/asrf/2018/schedule/37
Ballroom
4/5/2018 8:00 AM  \textit{Geostatistical Approach To Delineate Wetland Boundaries In The Cutshaw Bog, Tennessee}
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**Cox, Isaiah**
- https://dc.etsu.edu/asrf/2018/schedule/100
- Ballroom
- 4/5/2018 8:00 AM  
  *Multi-Wavelength Statistics Of Clumpy Galaxies*

**Dempsey, Brian**
- https://dc.etsu.edu/asrf/2018/schedule/207
- Ballroom
- 4/5/2018 8:00 AM  
  *Small Mammal Mortality Caused By Roadside Containers On A Heavily Trafficked Forest Service Road in The Cherokee National Forest*

**Dennis, Taylor**
- Ballroom
- 4/5/2018 8:00 AM  
  *Clumps And Clusters In Ring Galaxies*

**Dunn, Brianne**
- https://dc.etsu.edu/asrf/2018/schedule/180
- Ballroom
- 4/5/2018 8:00 AM  
  *Hot, Cold, And Warm Interstellar Gas In Galaxy Mergers*

**Gauck, Megan**
- https://dc.etsu.edu/asrf/2018/schedule/110
- Ballroom
- 4/5/2018 8:00 AM  
  *Evaluation Of Circadian Regulated Behavior In The Southern Black Widow, Latrodectus Mactans*

**Magno, Macon**
- https://dc.etsu.edu/asrf/2018/schedule/150
- Ballroom
- 4/5/2018 8:00 AM  
  *A Study Of The H-Alpha Emission Line Shape In Beta Lyrae*

**Magno, Melissa A.**
- https://dc.etsu.edu/asrf/2018/schedule/126
- Ballroom
- 4/5/2018 8:00 AM  
  *Spatial Interpolation Of Heavy Metal Concentrations In Soils Of Bumpus Cove, Tn*

**Mcconnell, Nicholas**
- https://dc.etsu.edu/asrf/2018/schedule/137
- Ballroom
- 4/5/2018 8:00 AM  
  *Time-Lapse Monitoring Of Sidewall Mass-Wasting Events In A Northeast Tennessee Gully*

**Musrock, Henry**
- https://dc.etsu.edu/asrf/2018/schedule/141
- Ballroom
- 4/5/2018 8:00 AM  
  *Superacidic Materials Based On Immobilized Phosphotungstic Acid*

**Patel, Cheril**
- https://dc.etsu.edu/asrf/2018/schedule/158
- Ballroom
- 4/5/2018 8:00 AM  
  *Understanding Variation In The Effects Of Heterospecific Pollen Receipt: The Effect Of Pollen And Recipient Traits*
APPENDIX A: 2018 Appalachian Student Research Forum

Roden, John W. III
https://dc.etsu.edu/asrf/2018/schedule/87
Ballroom
4/5/2018 8:00 AM *Determining The Physiological And Behavioral Methods Of Salinity Tolerance In Corbicula Fluminea*

Master's Student

Akande, Sodiq
https://dc.etsu.edu/asrf/2018/schedule/58
Ballroom
4/5/2018 8:00 AM *Investigating Different Modeling Techniques For Quantifying Heat Transfer Through Building Envelopes*

Alabdulwaheed, Abdulhameed
https://dc.etsu.edu/asrf/2018/schedule/175
Ballroom
4/5/2018 8:00 AM *3D-Printed Fluidic Devices And Incorporated Graphite Electrodes For Electrochemical Immunoassay Of Biomarker Proteins*

Alenazi, Mohrah
https://dc.etsu.edu/asrf/2018/schedule/71
Ballroom
4/5/2018 8:00 AM *Extraction And Purification Of Biologically Active Metabolites From The Rhodococcus Sp. Mtm3W5.2*

Alharbi, Helal
https://dc.etsu.edu/asrf/2018/schedule/197
Ballroom
4/5/2018 8:00 AM *Synthesis Of Diazonium N-(Perfluoroalkyl) Benzenesulfonimide Zwitterionic Polymers For Proton Exchange Membrane Fuel Cells*

Ametsetor, Ebenezer
https://dc.etsu.edu/asrf/2018/schedule/64
Ballroom
4/5/2018 8:00 AM *Synthesis Of Hydroxytyrosol Derivatives*

Barker, Daniel A
https://dc.etsu.edu/asrf/2018/schedule/188
Ballroom
4/5/2018 8:00 AM *The Effects Of Invasive Plant Species On Pollen Transfer Networks In Southern Appalachian Floral Communities*

Birchfield, Aaron
https://dc.etsu.edu/asrf/2018/schedule/167
Ballroom
4/5/2018 8:00 AM *Crystallization And Analysis Of Tag Effects Using A Flavonol Specific Glucosyltransferase From Grapefruit*

Fasesin, Kingsley
https://dc.etsu.edu/asrf/2018/schedule/30
Ballroom
4/5/2018 8:00 AM *Improving Sinkhole Mapping Using Lidar Data And Assessing Road Infrastructure At Risk In Johnson City, Tn.*
APPENDIX A: 2018 Appalachian Student Research Forum

Kalu, Chimdi
https://dc.etsu.edu/asrf/2018/schedule/121
Ballroom
4/5/2018 8:00 AM  *Synthesis And Biological Significance Of 1,2,4-Oxadiaxolidin-5-One*

Mingle, David
https://dc.etsu.edu/asrf/2018/schedule/130
Ballroom
4/5/2018 8:00 AM  *Synthesis Of Pyrrolo[2,1-C] [1,4] Benzodiazepine -11- Hydrazinyl Derivatives As A Potential Antimicrobial Agent*

Nanto, Darack B.
https://dc.etsu.edu/asrf/2018/schedule/39
Ballroom
4/5/2018 8:00 AM  *The Eco-Smart Can V2.0*

Omadoko, Ovuokenye
https://dc.etsu.edu/asrf/2018/schedule/169
Ballroom
4/5/2018 8:00 AM  *Simple Photochemical Reduction Of Carbon Dioxide To Formate Under Mild Acidic Conditions*

Peers, Justin
https://dc.etsu.edu/asrf/2018/schedule/4
Ballroom
4/5/2018 8:00 AM  *Improving Volcano Risk Communication At The Long Valley Caldera And Mono-Inyo Craters Volcanic System, Eastern California, Usa*

Ragsdale, Raven
https://dc.etsu.edu/asrf/2018/schedule/195
Ballroom
4/5/2018 8:00 AM  *Temperature Entrainment Of Two Different Circadian Rhythms In The Flesh Fly Sarcophaga Crassipalpis*

Stanley, Amber
https://dc.etsu.edu/asrf/2018/schedule/155
Ballroom
4/5/2018 8:00 AM  *The Effects Of Urbanization On Avian Seed Dispersal Success Of Toxicodendron Radicans (Anacardiaceae)*

Tedder, Amanda
https://dc.etsu.edu/asrf/2018/schedule/53
Ballroom
4/5/2018 8:00 AM  *Impact Of Viviparity On Skeletal Development In A Reproductively Bimodal Squamate Species*

Wang, Haiyu
https://dc.etsu.edu/asrf/2018/schedule/178
Ballroom
4/5/2018 8:00 AM  *Synthesis Of 2-Carbamoyl-4-Oxo-1,5-Diazacyclo [3.2.1] Octane Derivatives As A Possible Inhibitors Of Serine B-Lactamases*
## APPENDIX A: 2018 Appalachian Student Research Forum

<table>
<thead>
<tr>
<th>Social &amp; Behavioral Sciences</th>
<th>Undergraduate Student</th>
</tr>
</thead>
</table>

### Bailey, Benjamin
- [Schedule](https://dc.etsu.edu/asrf/2018/schedule/202)
- Ballroom
- 4/5/2018 8:00 AM
- The Relationship Among Prenatal Drug Exposure And Social Fear, Inhibitory Control, And Head Circumference

### Bishop, Kaelyn
- [Schedule](https://dc.etsu.edu/asrf/2018/schedule/203)
- Ballroom
- 4/5/2018 8:00 AM
- Perception And Acceptability Of Violence In Video Games, Movies, And News

### Carlisle, Makaila
- [Schedule](https://dc.etsu.edu/asrf/2018/schedule/5)
- Ballroom
- 4/5/2018 8:00 AM
- Outcomes Of Tennessee Youth As They Age Out Of Fostercare

### Chambers, Jessica M.
- [Schedule](https://dc.etsu.edu/asrf/2018/schedule/101)
- Ballroom
- 4/5/2018 8:00 AM
- Internalizing Symptoms Associated With Emotional Abuse: An Examination Of Religious Social Support As A Moderating Variable

### Clark, Emily A.
- [Schedule](https://dc.etsu.edu/asrf/2018/schedule/134)
- Ballroom
- 4/5/2018 8:00 AM
- Ptsd Symptoms And Military-Specific Stigma In United States Veterans

### Cobb, Teliyah
- [Schedule](https://dc.etsu.edu/asrf/2018/schedule/186)
- Ballroom
- 4/5/2018 8:00 AM
- Mentally Ill Caregivers And Differential Patterns Of Substance Abuse In A Sample Of University Students

### Fasanello, Nicholas A.
- [Schedule](https://dc.etsu.edu/asrf/2018/schedule/153)
- Ballroom
- 4/5/2018 8:00 AM
- Self-Esteem As A Mediator Of Internalized Stigma And Health In Sexual Minority Women

### Ford, Emily E.
- [Schedule](https://dc.etsu.edu/asrf/2018/schedule/91)
- Ballroom
- 4/5/2018 8:00 AM
- Taking The Risk: Insufficient Communication Concerning Risky Driving Behaviors Among Young Drivers In Central Appalachia

### Gardner, Aaron
- [Schedule](https://dc.etsu.edu/asrf/2018/schedule/32)
- Ballroom
- 4/5/2018 8:00 AM
- An Examination Of Erps Produced By Images Of Locations And Graspable Objects In An Oddball Task
APPENDIX A: 2018 Appalachian Student Research Forum

Hale, Elizabeth
https://dc.etsu.edu/asrf/2018/schedule/1
Ballroom
4/5/2018 8:00 AM
Relationship Of Military Service Branch To Rates Of Post-Traumatic Stress Disorder And Substance Use Disorder Among Appalachian Veterans

Long, Kelsey B.
https://dc.etsu.edu/asrf/2018/schedule/210
Ballroom
4/5/2018 8:00 AM
Effects Of Birth Order On Temperament And Language

Lunceford, Angel
https://dc.etsu.edu/asrf/2018/schedule/22
Ballroom
4/5/2018 8:00 AM
The Importance Of Baseline Analysis For Establishing Replicable, Evidence-Based Behavior Analytic Interventions: Implications For Researchers And Practitioners

Mcnair, Ragen D.
https://dc.etsu.edu/asrf/2018/schedule/120
Ballroom
4/5/2018 8:00 AM
Siblicide: Offender Patterns And Typologies.

Noe, Megan
https://dc.etsu.edu/asrf/2018/schedule/151
Ballroom
4/5/2018 8:00 AM
Appalachian Tennessee And Virginia Schools: A Role In Suicide Prevention Using Activity Involvement And Adult Connectedness As Key Markers.

Simpson, Zakery
https://dc.etsu.edu/asrf/2018/schedule/192
Ballroom
4/5/2018 8:00 AM
Adolescent Alcohol-Drinking Leads To Long Lasting Changes In The Medial Prefrontal Cortex

Stone, Samantha A.
https://dc.etsu.edu/asrf/2018/schedule/156
Ballroom
4/5/2018 8:00 AM
Indirect Effects Of Concealment On Health In Sexual Minority Women

Tanner, Katie J.
https://dc.etsu.edu/asrf/2018/schedule/54
Ballroom
4/5/2018 8:00 AM
Insomnia And Suicide Risk In Veterans: Conditional Indirect Effects Of Perceived Burdensomeness And Self-Compassion

Master's Student

Dubasi, Hima Bindu
https://dc.etsu.edu/asrf/2018/schedule/52
Ballroom
4/5/2018 8:00 AM
A Pilot Study On The Knowledge Of Sex- Trafficking In The United States Among A Sample Of College Students At A University In North- East Tennessee.
APPENDIX A: 2018 Appalachian Student Research Forum

**Hawkins, Sarah**
https://dc.etsu.edu/asrf/2018/schedule/21
Ballroom
4/5/2018 8:00 AM  
*Beliefs And Knowledge Regarding Hiv Transmission In Swaziland: A Comparison Between The Sexes*

**Kuku, Olubunmi**
https://dc.etsu.edu/asrf/2018/schedule/159
Ballroom
4/5/2018 8:00 AM  
*Association Between Depression And Physical Health Among College Adults: The Mediating Roles Of Physical Activity And Diet*

**Liegel, Mckenzie**
https://dc.etsu.edu/asrf/2018/schedule/206
Ballroom
4/5/2018 8:00 AM  
*Health Communication Strategies Among Non-Profit Organizations In Appalachia*

**Oke, Adekunle**
https://dc.etsu.edu/asrf/2018/schedule/27
Ballroom
4/5/2018 8:00 AM  
*Recent Incidences And Trends Of The Top Five Cancers In Northeast Appalachian Tennessee*

**Oseedeme, Fenose**
https://dc.etsu.edu/asrf/2018/schedule/55
Ballroom
4/5/2018 8:00 AM  
*Individual And Contextual Factors Associated With Subclinical Atherosclerosis In Diabetes Patients In Rural Central Appalachia*

**Ouedraogo, Youssoufou**
https://dc.etsu.edu/asrf/2018/schedule/131
Ballroom
4/5/2018 8:00 AM  
*Motivating Factors Of Blood Donation Among South Central Appalachian Adolescents*

**Pugh, Kelley C.**
https://dc.etsu.edu/asrf/2018/schedule/34
Ballroom
4/5/2018 8:00 AM  
*Self-Forgiveness And Suicide Risk In Veterans: Examining Serial Linkages Of Shame And Interpersonal Needs*

**Treaster, Morgan K.**
https://dc.etsu.edu/asrf/2018/schedule/33
Ballroom
4/5/2018 8:00 AM  
*Social Support And Psychological Distress In Cancer: Stress As A Mediator*

**Doctoral Student**

**Collins, Candice**
https://dc.etsu.edu/asrf/2018/schedule/191
Whitetop Mountain Room 225
4/5/2018 8:00 AM  
*The Prevalence And Trend Of Depression Among U.S. Veterans*
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Gilley, Rebecca
https://dc.etsu.edu/asrf/2018/schedule/171
Whitetop Mountain Room 225
4/5/2018 8:00 AM  
Crime In Tennessee: Differences In Perpetrator Gender And The Impact Of Rurality

Hall, Benjamin B.
https://dc.etsu.edu/asrf/2018/schedule/174
Whitetop Mountain Room 225
4/5/2018 8:00 AM  
Guilt And Ptsd Among Injured Combat Veterans: Implications Of Self-Compassion And Posttraumatic Growth

Lemay, Carrie
https://dc.etsu.edu/asrf/2018/schedule/168
Whitetop Mountain Room 225
4/5/2018 8:00 AM  
The Relationship Between Adverse Childhood Experiences, Mental Health Outcomes, And Polypharmacy Among Psychiatric Inpatients In Secure Forensic Care

Puszkiewicz, Kelcey
https://dc.etsu.edu/asrf/2018/schedule/163
Whitetop Mountain Room 225
4/5/2018 8:00 AM  
Early Childhood Adversity, Socioecological Influences, And Delinquent Behaviors In A Treatment Sample Of Male Adolescents

Weber, Amy J.
https://dc.etsu.edu/asrf/2018/schedule/125
Whitetop Mountain Room 225
4/5/2018 8:00 AM  
Differences In Access To Contraceptive Services Between Rural And Non-Rural Clinics In South Carolina

Biomedical & Health Sciences

Undergraduate Student

Adkins, Caleb
https://dc.etsu.edu/asrf/2018/schedule/35
Ballroom
4/5/2018 8:00 AM  
Neuroinflammation In The C1Q/Tnf-Related Over-Expression Mouse Model Of Chronic Ethanol Exposure

Carrasco, Tiffani
https://dc.etsu.edu/asrf/2018/schedule/65
Ballroom
4/5/2018 8:00 AM  
Vitamin D Receptor Gene Expression In Human And Mouse Cingulate Cortex

Coulthard, Jacob
https://dc.etsu.edu/asrf/2018/schedule/47
Ballroom
4/5/2018 8:00 AM  
Oxidative Stress Susceptibility Of Oligodendrocytes In Major Depressive Disorder Is Widespread In The Brain
APPENDIX A: 2018 Appalachian Student Research Forum

Crawford, Claire C.
https://dc.etsu.edu/asrf/2018/schedule/148
Ballroom
4/5/2018 8:00 AM  Deficiency Of Ataxia-Telangiectasia Mutated Kinase Affects Autophagy After Myocardial Infarction

Dillard, Cory
https://dc.etsu.edu/asrf/2018/schedule/143
Ballroom
4/5/2018 8:00 AM  Does Morphology Matter? The Fungal-Bacterial Inhibitory Interactions Of Candida Albicans And Alcaligenes Faecalis.

Dinsmore, Kristen
https://dc.etsu.edu/asrf/2018/schedule/146
Ballroom
4/5/2018 8:00 AM  Refrigerated Stability Of Diluted Cisatracurium, Rocuronium, And Vecuronium For Skin Testing After Perioperative Anaphylaxis

Drozdz, Mateusz
https://dc.etsu.edu/asrf/2018/schedule/161
Ballroom
4/5/2018 8:00 AM  Amphibians And Reptiles As A Source Of Salmonella – A Review Of Salmonella Outbreaks In A Period Of Last Ten Years

Hall, Alexis
https://dc.etsu.edu/asrf/2018/schedule/119
Ballroom
4/5/2018 8:00 AM  The Long Term Effects Of Methylphenidate On The Brain

Harness, Denise
https://dc.etsu.edu/asrf/2018/schedule/106
Ballroom
4/5/2018 8:00 AM  A Comparison Of Unsupervised Methods For Dna Microarray Leukemia Data

Keith, Sydney R
https://dc.etsu.edu/asrf/2018/schedule/182
Ballroom
4/5/2018 8:00 AM  Experimental Protocol For The Production Of Bacterial Expressed Ctrp3

Oliver, Joe
https://dc.etsu.edu/asrf/2018/schedule/97
Ballroom
4/5/2018 8:00 AM  Inhibition Of Focal Adhesion Kinase Promotes Adult Olfactory Stem Cell Self-Renewal And Neuroregeneration Via Ciliary Neurotrophic Factor

Singal, Sakshi
https://dc.etsu.edu/asrf/2018/schedule/11
Ballroom
4/5/2018 8:00 AM  Burkitt’S Lymphoma Masquerading As Acute Cholecystitis And Vaginal Bleeding
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**Trogen, Greta**
https://dc.etsu.edu/asrf/2018/schedule/72
Ballroom
4/5/2018 8:00 AM  *Analysis Of Oligomeric State Of Ctrp3 In Relation To Type 2 Diabetes*

**Wanamaker, Salem**
https://dc.etsu.edu/asrf/2018/schedule/132
Ballroom
4/5/2018 8:00 AM  *Visualizing The Inhibitory Power Of A Novel Protein Against Citrobacter And Enterobacter Biofilms.*

**Warren, Zachary C.**
https://dc.etsu.edu/asrf/2018/schedule/60
Ballroom
4/5/2018 8:00 AM  *Upregulating Of Cyp2E1 In Ethanol-Fed Mice With Transgenic Overexpression Of Ctrp3*

**White, Grayson D.**
https://dc.etsu.edu/asrf/2018/schedule/48
Ballroom
4/5/2018 8:00 AM  *The Effects Of Simulated Spaceflight Conditions On The Mucin Lining Of The Mouse Uterine Tube*

**Yuceer, Buse**
https://dc.etsu.edu/asrf/2018/schedule/157
Ballroom
4/5/2018 8:00 AM  *Does Alcaligenes Inhibit Other Staphylococcal Species?*

**Britt, Nicholas M.**
https://dc.etsu.edu/asrf/2018/schedule/205
Ballroom
4/5/2018 8:00 AM  *Immunodeficient R2G2 Mouse Strain Yields Spleens With Unusual Cytoarchitecture And Sympathetic Innervation*

**Master's Student**

**Ameen, Muhammad T.**
https://dc.etsu.edu/asrf/2018/schedule/24
Ballroom
4/5/2018 8:00 AM  *Vitamin B2 Reduces Amyloid-Beta Proteotoxicity And Improves Health In A Caenorhabditis Elegans Alzheimer’S Disease Model*

**Degroat, Ashley R.**
https://dc.etsu.edu/asrf/2018/schedule/66
Ballroom
4/5/2018 8:00 AM  *The Effect Of Alcohol Consumption On Female Inflammation*

**Elom, Hilary**
https://dc.etsu.edu/asrf/2018/schedule/116
Ballroom
4/5/2018 8:00 AM  *The Distribution Of Hepatitis C Virus Genotypes In Us Population. Data From Nhanes 2006-2016*
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Famojuro, Oluwaseun
https://dc.etsu.edu/asrf/2018/schedule/187
Ballroom
4/5/2018 8:00 AM  Association Of Substance Use And Obesity Among Adults In United States(Findings From Brfss 2016)

Hagood, Kendra L.
https://dc.etsu.edu/asrf/2018/schedule/42
Ballroom
4/5/2018 8:00 AM  Effect Of Ethanol On Autophagy Of Skeletal Muscle

Nowicki, Blake A.
https://dc.etsu.edu/asrf/2018/schedule/122
Ballroom
4/5/2018 8:00 AM  Young Adults With Cleft Lip And Palate: Are They Receiving Team Services?

Salamat, Julia
https://dc.etsu.edu/asrf/2018/schedule/189
Ballroom
4/5/2018 8:00 AM  The Role Of Cyp2A5 And Ppar-Alpha In Cadmium-Induced Liver Injury

Scruggs, Kent
https://dc.etsu.edu/asrf/2018/schedule/50
Ballroom
4/5/2018 8:00 AM  Analysis Of Neuroinflammatory Markers In The Btbr T+Tf/J Mouse Model Of Autism Spectrum Disorder

Shelton, Heath W.
https://dc.etsu.edu/asrf/2018/schedule/166
Ballroom
4/5/2018 8:00 AM  Inhibition Of Tnf-Alpha Decreases Microglia Activation In Rats Neonatally Treated With Poly I:C

Doctoral Student

Chapman, Rudy T.
https://dc.etsu.edu/asrf/2018/schedule/17
Whitetop Mountain Room 225
4/5/2018 8:00 AM  Axonal Regrowth Of Olfactory Sensory Neurons After Chemical Ablation With Methimazole

Gill, Wesley
https://dc.etsu.edu/asrf/2018/schedule/68
Whitetop Mountain Room 225
4/5/2018 8:00 AM  Epigenetic Transmission Of Nicotinic Effects Within The Neonatal Quinpirole Rodent Model Of Schizophrenia

Gong, Henry
https://dc.etsu.edu/asrf/2018/schedule/51
Whitetop Mountain Room 225
4/5/2018 8:00 AM  Importance Of Mitochondrial Nadph Generating Enzymes For Longevity
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Hicks, Courtney
https://dc.etsu.edu/asrf/2018/schedule/81
Whitetop Mountain Room 225
4/5/2018 8:00 AM  Medical Students’ Self-Perceived Preparedness In Managing Patients With Bppv

Madon, Katelyn
https://dc.etsu.edu/asrf/2018/schedule/127
Whitetop Mountain Room 225
4/5/2018 8:00 AM  Investigating Orphan Response Regulators In The Opportunistic Pathogen Pseudomonas Aeruginosa

Rahman, Abir
https://dc.etsu.edu/asrf/2018/schedule/3
Whitetop Mountain Room 225
4/5/2018 8:00 AM  Association Of E-Cigarette Use With Coronary Heart Disease Among U.S. Adults

Thode, Madison P.
https://dc.etsu.edu/asrf/2018/schedule/135
Whitetop Mountain Room 225
4/5/2018 8:00 AM  A Comparison Of Word Recognition Performance For Young Adults With Normal Hearing When Listening To Two Speakers

Education & Learning

Medical Student

Cox, Taylor
https://dc.etsu.edu/asrf/2018/schedule/86
Ballroom
4/5/2018 8:00 AM  Promoting Health Education And Literacy In Rural Tennessee: The Go-Packs Pilot Project

Master’s Student

Mensah-Bonsu, Patience
https://dc.etsu.edu/asrf/2018/schedule/149
Ballroom
4/5/2018 8:00 AM  Examining The Effects Of A Teacher Training System On Preschool Teachers’ Productive And Non-Productive Conversation With Children During The Free Play Time: Using A Multiple Baseline Experimental Design

Chavez Reyes, Denise A.
https://dc.etsu.edu/asrf/2018/schedule/20
Ballroom
4/5/2018 8:00 AM  An Assessment Of The Factors That Increase The Likeliness Of Hispanics Students To Attend Higher Education
# APPENDIX A: 2018 Appalachian Student Research Forum

## Doctoral Student

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>URL</th>
<th>Location</th>
<th>Date</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>Sareh, Narges</td>
<td>Gender Differences In Preschool Teachers' Math Talk With Children</td>
<td><a href="https://dc.etsu.edu/asrf/2018/schedule/82">Link</a></td>
<td>Ballroom</td>
<td>4/5/2018</td>
<td>8:00 AM</td>
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## Pharmacy

### Pharmacy Student

<table>
<thead>
<tr>
<th>Name</th>
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<th>URL</th>
<th>Location</th>
<th>Date</th>
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<tbody>
<tr>
<td>Archibald, Timothy</td>
<td>Refrigerated Stability Of Diluted Succinylcholine, Pancuronium, And Atracurium</td>
<td><a href="https://dc.etsu.edu/asrf/2018/schedule/88">Link</a></td>
<td>Ballroom</td>
<td>4/5/2018</td>
<td>8:00 AM</td>
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<td>Gardner, Austin</td>
<td>Metabolic Targets Of Gnaphalin Mediated Apoptosis In Colon And Pancreatic Cancer Cell Lines</td>
<td><a href="https://dc.etsu.edu/asrf/2018/schedule/63">Link</a></td>
<td>Ballroom</td>
<td>4/5/2018</td>
<td>8:00 AM</td>
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<td>Ketchem, Shannon</td>
<td>Dopamine Cell Loss Within The Nigrostriatal Pathway Due To Oxidative Stress From Chronic Methylphenidate</td>
<td><a href="https://dc.etsu.edu/asrf/2018/schedule/104">Link</a></td>
<td>Ballroom</td>
<td>4/5/2018</td>
<td>8:00 AM</td>
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<td>Lawson, Sarah</td>
<td>Stability Of Oral Vitamin K Solutions Stored In Amber Plastic Syringes</td>
<td><a href="https://dc.etsu.edu/asrf/2018/schedule/102">Link</a></td>
<td>Ballroom</td>
<td>4/5/2018</td>
<td>8:00 AM</td>
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<td>McGuire White, Kathleen</td>
<td>Interprofessional Transitional Care Teams Reduce Medications Needed Post-Discharge</td>
<td><a href="https://dc.etsu.edu/asrf/2018/schedule/181">Link</a></td>
<td>Ballroom</td>
<td>4/5/2018</td>
<td>8:00 AM</td>
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<td>Sondergaard, Jeffrey</td>
<td>Comparison Of Two Rat Somatotroph Cell Lines To Examine Tissue-Specific Transcription Of Growth Hormone</td>
<td><a href="https://dc.etsu.edu/asrf/2018/schedule/185">Link</a></td>
<td>Ballroom</td>
<td>4/5/2018</td>
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<td><strong>Yoo, Harrison</strong></td>
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<tr>
<td>4/5/2018 8:00 AM</td>
<td><em>Dissolution Analysis Of Otc Coenzyme Q10 Dietary Supplements</em></td>
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<thead>
<tr>
<th><strong>Social, Behavioral, Biomedical &amp; Health Sciences</strong></th>
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<tbody>
<tr>
<td><strong>Medical Resident or Clinical Fellow</strong></td>
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<tr>
<td><strong>Arif, Sarah  MD</strong></td>
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<tr>
<td>Whitetop Mountain Room 225</td>
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<tr>
<td>4/5/2018 8:00 AM</td>
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| **Dave, Havya** |
| https://dc.etsu.edu/asrf/2018/schedule/160 |
| Whitetop Mountain Room 225 |
| 4/5/2018 8:00 AM | *Spirometry And Improving Clinical Decision Making In Reactive Airway Diseases* |

| **Farmer, Cortney** |
| https://dc.etsu.edu/asrf/2018/schedule/162 |
| Whitetop Mountain Room 225 |
| 4/5/2018 8:00 AM | *Outpatient Evaluation & Management Billing And Coding: Development Of Enduring Curriculum For Pgy1 Resident Education In A Rural Family Medicine Practice* |

| **Gaddam, Sathvika** |
| https://dc.etsu.edu/asrf/2018/schedule/70 |
| Whitetop Mountain Room 225 |
| 4/5/2018 8:00 AM | *Critical Upper Limb Ischemia In A Patient With New-Onset Atrial Fibrillation* |

| **Garner, Chris** |
| https://dc.etsu.edu/asrf/2018/schedule/105 |
| Whitetop Mountain Room 225 |
| 4/5/2018 8:00 AM | *Improving Male Vaccine Uptake For Human Papilloma Virus In A Family Medicine Residency Program* |

| **Hollis, Jason** |
| https://dc.etsu.edu/asrf/2018/schedule/190 |
| Whitetop Mountain Room 225 |
| 4/5/2018 8:00 AM | *Improving Annual Screening For Lung Cancer In Targeted Adult Populations In A Rural Family Medicine Residency* |

| **Jones, Curry** |
| https://dc.etsu.edu/asrf/2018/schedule/183 |
| Whitetop Mountain Room 225 |
| 4/5/2018 8:00 AM | *Improving Knowledge Of Hepatitis C Screening Guidelines Among A Population Of Family Medicine Residents* |
APPENDIX A: 2018 Appalachian Student Research Forum

Khalaf, Rossa
https://dc.etsu.edu/asrf/2018/schedule/173
Whitetop Mountain Room 225
4/5/2018 8:00 AM  Marginal Zone Lymphoma With Hyper Viscosity Syndrome Responding To Plasmapheresis And Chemo Immunotherapy

Patel, Amit
https://dc.etsu.edu/asrf/2018/schedule/200
Whitetop Mountain Room 225
4/5/2018 8:00 AM  Addressing Gaps In Immunization Rates In A Family Medicine Residency Clinic

Reddy, Dheeraj MD
https://dc.etsu.edu/asrf/2018/schedule/211
Whitetop Mountain Room 225
4/5/2018 8:00 AM  Renal And Testicular Myeloid Sarcoma Defines Acute Myeloid Leukemia Even In The Absence Of Blood And Marrow Involvement

Sriramoju, Vindhya MD
https://dc.etsu.edu/asrf/2018/schedule/201
Whitetop Mountain Room 225
4/5/2018 8:00 AM  Elizabethkingia Meningoseptica Bacteremia Associated With Infective Endocarditis In An Intravenous Drug Abuser

Medical Student

Allred, Delayne
https://dc.etsu.edu/asrf/2018/schedule/164
Mt. Mitchell Room 220
4/5/2018 8:00 AM  Improving Coding Behaviors Among Physicians In A Rural Family Medicine Residency Program

Blosser, Peter
https://dc.etsu.edu/asrf/2018/schedule/2
Mt. Mitchell Room 220
4/5/2018 8:00 AM  Differential Diagnosis Of Pan-Uveitis: Behçet’S Disease

Chan, Adam Y.
https://dc.etsu.edu/asrf/2018/schedule/19
Mt. Mitchell Room 220
4/5/2018 8:00 AM  Mental Health Intervention Strategies For Youth In Rural Northeast Tn

Kolagatla, Sandhya
https://dc.etsu.edu/asrf/2018/schedule/89
Mt. Mitchell Room 220
4/5/2018 8:00 AM  Familial Polycythemia Likely Due To Novel Hemoglobin Variant- Hemoglobin Hyden

Kwak, Hakyong G.
https://dc.etsu.edu/asrf/2018/schedule/85
Mt. Mitchell Room 220
4/5/2018 8:00 AM  Knowledge And Perceptions Of Aces (Adverse Childhood Experiences) Among Parents And Providers In Northeast Tennessee
APPENDIX A: 2018 Appalachian Student Research Forum

Lee, Katie
https://dc.etsu.edu/asrf/2018/schedule/144
Mt. Mitchell Room 220
4/5/2018 8:00 AM
Determining The Efficacy For Training Medical Students On Domestic Violence And Sexual Assault Survivor Support

Miller, Brandon
https://dc.etsu.edu/asrf/2018/schedule/184
Mt. Mitchell Room 220
4/5/2018 8:00 AM
Effects Of Pododcyte Dysfunction On The Susceptibility To Hypertensive Glomerulosclerosis

Minhas, Ahmed
https://dc.etsu.edu/asrf/2018/schedule/212
Mt. Mitchell Room 220
4/5/2018 8:00 AM
When Imaging Predicts Aggressiveness Of Large B Cell Lymphoma Biology

Neighbor, Rebecca
https://dc.etsu.edu/asrf/2018/schedule/69
Mt. Mitchell Room 220
4/5/2018 8:00 AM
Gojoco Trail Awareness

Rahimi-Saber, Anahita
https://dc.etsu.edu/asrf/2018/schedule/128
Mt. Mitchell Room 220
4/5/2018 8:00 AM
Transgender Medicine Integrated Grand Rounds: Are Medical Students Receiving Enough Education To Competently Care For Our Patients?

Shipley, Lindsey C. BS
https://dc.etsu.edu/asrf/2018/schedule/154
Mt. Mitchell Room 220
4/5/2018 8:00 AM
15 Lox 1 Up-Regulation And Cytotoxicity With Γ-Tocotrienol In Hct-116 Colon Cancer Cells

Shoemaker, Griffin
https://dc.etsu.edu/asrf/2018/schedule/18
Mt. Mitchell Room 220
4/5/2018 8:00 AM
Prenatal Drug And Related Exposures In Infant Patients Of A Northeast Tennessee Pediatric Primary Care Clinic

Ververis, Megan
https://dc.etsu.edu/asrf/2018/schedule/67
Mt. Mitchell Room 220
4/5/2018 8:00 AM
A Case Report Of Krukenberg Tumor Arising From Small Bowel Adenocarcinoma

Whicker, Wyatt
https://dc.etsu.edu/asrf/2018/schedule/204
Mt. Mitchell Room 220
4/5/2018 8:00 AM
Discovery Of A Novel Anti-Neuroinflammatory Treatment For Auditory Sensorimotor Gating In Two Rodent Models Of Schizophrenia

Zalewski, Jacob T.
https://dc.etsu.edu/asrf/2018/schedule/29
Mt. Mitchell Room 220
4/5/2018 8:00 AM
Severity Of Acute Kidney Injury In Mice Associated With Ischemia Duration And Gender