2026

Dennis Dean Undergraduate Research & Creative Scholarship Conference

Office of Undergraduate Research / April 24, 2026

research.undergraduate.vt.edu/symposium

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Welcome

Jill C. Sible, Ph.D.

Associate Vice Provost for Undergraduate Education Professor of Biological Sciences

Welcome to Virginia Tech's 2026 Spring Undergraduate Research and Creative Scholarship Symposium. This event celebrates the creative and scholarly accomplishments of undergraduate students' campus- wide. Our program reflects the quality and diversity of undergraduate research at Virginia Tech. Many of the projects are the result of collaborations among several students.

Undergraduate research is recognized as one of the high impact practices in undergraduate education. Students who participate in undergraduate research are more likely to thrive and persist in their education. They become co-creators of knowledge, makers of objects that are useful and beautiful. At the heart and soul of these projects are collaborations between undergraduates and their mentors. Many thanks to the faculty, graduate students, and others who commit to these scholarly endeavors with undergraduate students. Undergraduate researchers are well positioned with the skills needed to enter the workforce or continue their education upon graduation.

We have a record number of posters this year – 302! Students who participated in service learning will be among our presenters. Thank you for sharing what you have learned with our community partners.

We also welcome 17local high school students who have engaged in research, many under the mentorship of Virginia Tech faculty. We hope that your experience has sparked a passion for research and a lifetime of curiosity.

Many thanks to Keri Swaby, Nicole Bottass, Truitt Elliott, and the entire the entire team in the Office of Undergraduate Research for hosting this event and supporting our undergraduate researchers throughout the year.

Thanks to the Fralin Life Sciences Institute, the Institute for Critical Technology and Applied Science, and to Dr. Dennis Dean for continuous support and advocacy for undergraduate research and to the many colleagues who have contributed to building an endowment for this symposium.

Enjoy the conference!

Jill

Office of Undergraduate Research

Keri Swaby

Assistant Vice Provost for Undergraduate Experiential Education

Welcome to the annual Dennis Dean Undergraduate Research and Creative Scholarship conference, hosted by Virginia Tech's Office of Undergraduate Research (OUR). We are particularly excited to welcome visitors from the *Ut Prosim Society.* It is hard to believe that this is our twelfth year (!) offering a campus-wide event that showcases the breadth of research and creative scholarship taking place across campus every day.

Presenting results of a research or creative project is an important part of a student's overall journey because it provides them with the opportunity to learn to effectively communicate to a broad audience, defend their work, exchange ideas, and be inspired for future directions. This year we feature the work of 574 students, including 17 students from Blacksburg High School, who will present 302 posters throughout the day. In addition, for the first time, we will include a special oral session- the Wayne Scales Undergraduate Research Session- which will showcase the work of 4 students who completed a rigorous iterative program of presentation training, feedback, and improvement. The symposium will also feature the second annual Undergraduate Nutshell Games, featuring students who completed the Theatre STEM program, a partnership between FLSI, the OUR, Center for Communicating Science, and School of Performing Arts. In this session, STEM undergraduate researchers will share their exciting research projects in an accessible and fun way in just 90 seconds! There is so much happening this year and so many opportunities to engage with student researchers in a variety of ways! I invite you to stay as long as you are able to engage with our amazing researchers and learn more about the many fascinating projects being presented. You will be impressed by the variety and high quality of the work on display and the students' ability to break down their work so that it is understandable to the broad audience at the conference.

In addition to sharing their work with the community, students will also be competing for 12 different awards. A special thanks to Dr. Wayne Scales, the Institutes and Colleges who sponsor and facilitate these awards and to the judges who are graciously giving their time to review, listen, and provide valuable feedback to our presenters.

The conference is only possible through the incredible hard work of the OUR Coordinator, Nicole Bottass, OUR Assistant Director, Truitt Elliott, and OUR faculty fellow, Dr. Debby Good from HNFE; the guidance of our active and insightful advisory board; and the army of amazing student Ambassadors who share their passion every day as they help students navigate undergraduate research. Without these dedicated people, the operations of the OUR would not be possible.

I must recognize and specially thank the Office of Undergraduate Academic Affairs, as well as the Fralin Life Sciences Institute and the Institute for Critical Technology and Applied Science, whose financial support allows us to celebrate undergraduate research and creative scholarship today and every day.

As always, I am humbled by the quality of work on show at this conference and invite you to marvel at the wealth of research and creative scholarships the university has to offer. I invite you to engage, to explore, to connect, and to have fun!

Sincerely, Keri

ACC Meeting of the Minds

The 2026 ACC Meeting of the Minds (ACC MOM) was held at in Florida State University. The scheduled conference dates were April 10-12, 2026. The Office of Undergraduate Research would like to recognize the students who presented.

Each year, 5-10 outstanding undergraduate researchers (accompanied by a faculty/staff member) from each ACC university gather at a host institution to present their research, either orally or as a poster. Virginia Tech representatives are selected by a competitive refereed process. It is truly an honor to be invited to participate in this conference. Student name, academic major, title of presentation, and faculty mentor listed below alphabetically.

Shirin Mohammadian, Computational and Systems Neuroscience and Psychology
Facial Features Outperform Cardiovascular Variables for Motivational Dimension Prediction
Dr. Bruce Friedman

Hannah Pertersen, Electrical Engineering
The Influence of Jet-A-to-HEFA-SPK Fuel Switching on Young's Modulus, Dimensional Change, and Degradation Behavior in Fluorocarbon Elastomer O-Rings
Dr. David Gray

Nolan Platt, Computer Science
Multimodal GPU Optimized Pipeline for Scalable Classroom Behavior Analytics with LLM Synthesis
Dr. Sehrish Nizamani

Kiara Rawlings-Cole, Animal & Poultry Sciences
Sequence Variation in Toll-Like Receptor-13 Gene of the Turkey Meleagris Gallopavo
Dr. Edward Smith

Quinn Smith, Chemistry and Chemical Engineering
Optimization of the Ionic Conductivity of Ru-UiO-67 for Enhanced Electrochemical Activity in the Water Oxidation Reaction
Dr. Amanda Morris

NCUR

The 2026 National Conference on Undergraduate Research (NCUR) was held in Pittsburg, Pennsylvania. The scheduled conference dates were April 13-15, 2026. The Office of Undergraduate Research would like to recognize the students who were selected to present.

The National Conference on Undergraduate Research (NCUR), established in 1987, is dedicated to promoting undergraduate research, scholarship, and creative activity in all fields of study by sponsoring an annual conference for students. Unlike meetings of academic professional organizations, this gathering of young scholars welcomes presenters from all institutions of higher learning and from all corners of the academic curriculum. Through this annual conference, NCUR creates a unique environment for the celebration and promotion of undergraduate student achievement, provides models of exemplary research and scholarship, and helps to improve the state of undergraduate education.

Zoe Altizer
Manasi Badrinarayanan
Liam Bantasan
Tara Blue
Nicholas Burtless
Shoshana Chueca
Emma Cook
Kathryn Curran
Samanvitha Dammalapati
Caroline DeDecker
Cassanda Freedlander
Tvisha Gala
Yuvi Gawande
Neil George
Michael Gerges
Maya Gosai
Ezra Gosman
Samuel Gowel
Anyshka Jain
Ian Jeong
Thiviya Karuppasamy

Bharath Kashyap
Morgan Lundberg
Samartha Madhyastha
Anya Merriman-Mix
William Morrison
Melina Nejadian
Enzo Nunez
Jack Parmeley
Neelam Patel
Sami Shelkh
Brooke Struyk
Gabriel Townsend
Ellie Townsend
Brad Tran
Rishita Valluru
Emile Whittle-Hage
Pooja Yedavalli
Matthew Yanez

Informational Booths

We invite you to visit and talk with representatives from several graduate programs, from across Virginia Tech's Blacksburg, Roanoke, and National Capital Region campuses.

OUR Ambassadors

Office of Scholarly Integrity and Research Compliance

Environmental Health and Safety

Virginia Tech Graduate School

Mentorship & Academic Outreach Programs (MAOP)

Institute for Critical Technology and Applies Science (ICTAS)

2025-26 Travel Grant Awards

The Virginia Tech Office of Undergraduate Research encourages students to present their research at conferences. OUR travel support program will cover expenses related to presenting at a conference. This rolling review process is designed to assist undergraduate students who have had their research or creative scholarship accepted for presentation at a regional, national, or international conference. This program will provide travel funding to students who, without this support, may not be able to attend a conference to present their work. Current undergraduates from any discipline are eligible to apply for travel support.

Sarayu Buchireddygari, Architecture, College of Arts, Architecture and Design

Faculty Mentor: Dr. Edward Becker
Re-City Conference, Finland, October 30-31, 2025

Radha Trivedi, Biomedical Engineering, College of Engineering

Faculty Mentor: Dr. Carolina Tallon
MS&T 2025 Material Science & Technology, Ohio, September 28-October 1, 2025

Nolan Platt, Computer Science, College of Engineering

Faculty Mentor: Dr. Sehrish Basir Nizam
IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC) 2025, North Carolina, October 6-10, 2025

Ethan Luchs, Computer Science, College of Engineering

Faculty Mentor: Dr. Sehrish Basir Nizam
IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC) 2025, North Carolina, October 6-10, 2025

Sunggyeol Oh, Computer Science, College of Engineering

Faculty Mentor: Dr. Scott McCrickard
IEEE Frontiers in Education Conference, Tennessee, November 2-5, 2025

Annabel Bass, Sociology, College of Liberal Arts and Human Sciences

Faculty Mentor: Dr. David Gray
First Year Engineering Experience hosted by the American Society for Engineering Education, Maryland, July 27-29, 2025

Rowan Martnishn, Computational Modeling and Data Analytics, College of Science

Faculty Mentor: Dr. Lisa McNair
Recent Advances in Natural Processing, Bulgaria, September 8-11, 2025

Renee Sarmiento, Biochemistry, College of Agriculture and Life Sciences
Faculty Mentor: Dr. Scott Johnstone
The 2025 LMSA National Conference, Illinois, September 5-7, 2025

Sydney Luff, Biochemistry, College of Agriculture and Life Sciences
Faculty Mentor: Dr. Clement Vinauger
Entomological Society of America, Oregon, November 9-12, 2025

Shirin Mohammadian, Computational and Systems Neuroscience & Psychology, College of Science
Faculty Mentor: Bruce Friedman
Society for Psychophysiological Research, Canada, October 15-18, 2025

Samantha Sciortino, Hospitality and Tourism Management and Marketing Management, Pamplin College of Business
Faculty Mentor: Dr. Andy Muelanaer
World Food Forum Flagship Event, Italy, October 12-17, 2025

Akhila Wills, Biomedical Engineering, College of Engineering
Faculty Mentor: Dr. Scott Gayzik and Dr. Andrea Robinson
BMES 2025 Annual Meeting, California, October 8-12, 2025

Kilee Pearson, Psychology, College of Science
Faculty Mentor: Dr. Lavinia Carnen
Mid-Atlantic Regional Conference for Undergraduate Research, Virginia, November 8, 2025

Varun Budati, Computer Science, College of Science
Faculty Mentor: Dr. Cara Spicer
Undergraduate Commodities Competition 2025, Texas, October 10-11, 2025

Adrian Urquiza Font, Industrial & Systems Engineering, College of Engineering
Faculty Mentor: Dr. Cara Spicer
Undergraduate Commodities Competition 2025, Texas, October 10-11, 2025

Kiara Rawlings-Cole, Animal and Poultry Science, College of Agriculture and Life Sciences
Faculty Mentor: Dr. Ed Smith
Annual Biomedical Research Conference for Minority Students (ABRCMS), Texas
November 19-22, 2025

Shlok Rajeev, Financial Technology and Big Data Analytics, Pamplin College of Business
Faculty Mentor: Dr. Olga Iselgildna Massa and Shamar Stewart
Undergraduate Commodities Competition 2025, Texas, October 10-11, 2025

Tommy Ayers, Computer Science, College of Engineering
Faculty Mentor: Dr. Olga Iselgildna Massa and Shamar Stewart
Undergraduate Commodities Competition 2025, Texas, October 10-11, 2025

Brooke Spens, Cybersecurity Management and Analytics, Pamplin College of Business
Faculty Mentor: Dr. Aaron Brantly
International Studies Association Annual Convention, Ohio, March 22-25, 2026

Ryder Jackson, Human Nutrition, Foods, and Exercise, College of Agricultural and Life Sciences
Faculty Mentor: Dr. Yuba Gautam and Dr. Andre Muelenaer
Consortium of Universities for Global Health, Washington, DC, April 9-12, 2026

Fir Takacs, Physics, College of Sciences
Faculty Mentor: Dr. Sophia Economou
APS Global Physics Summit, Colorado, March 15-20, 2026

Boning Yang, Computer Science, College of Engineering
Faculty Mentor: Dr. Alexey Onufriev
ACS Spring 2026, Georgia, March 22-26, 2026

Rashda Choudhary, Biological Sciences, College of Science
Faculty Mentor: Dr. Rosa Isela Gallagher
2026 AAP/ASCI/APSA Joint Meeting, Illinois, April 17-19, 2026

Evan Linderman, Medicinal Chemistry, College of Science
Faculty Mentor: Dr. Michael Schulz
American Chemical Society Spring 2026, Georgia, March 22-26, 2026

Miné Potgieter, Biology, College of Science

Faculty Mentor: Dr. Michael Schulz
American Chemical Society Spring 2026, Georgia, March 22-26, 2026

Mason Szczesniak, Computer Engineering, College of Engineering
Faculty Mentor: Dr. Doug Bowman
IEEE VR 2026, Korea, March 21-25, 2026

Quin Campbell, Environmental Data Science, College of Natural Resources and Environment
Faculty Mentor: Dr. JP Gannon
Geologic Society of America; Joint Southeastern, North-Central, and South-Central Section Meeting, Tennessee, March 8-11, 2026

Azalfa Noor, Biochemistry, College of Agriculture and Life Sciences
Faculty Mentor: Dr. Andy Muelenaer
Consortium of Universities for Global Health (CUGH), Washington, DC, April 9-12, 2026

Elizabeth Schneider, Materials Science and Engineering, College of Engineering
Faculty Mentor: Dr. David Gray
2026 Virginia State University (VSU) Annual Undergraduate Research Conference, Virginia, April 3, 2026

Mark Stanfield, Cybersecurity, Management and Analytics, Pamplin College of Business
Faculty Mentor: Dr. Eric Burger
Commonwealth Cyber Initiative Symposium, Virginia, April 13-14, 2026

Reiss Triantis, Cybersecurity Management and Analytics, Pamplin College of Business
Faculty Mentor: Dr. Eric Burger
CCI Symposium, Virginia, April 13-15, 2026

Jenna Mason, Multimedia Journalism and English PEDU, College of Liberal Arts and Human Sciences
Faculty Mentor: Dr. Stefon Flego
Acoustical Society of America, Pennsylvania, May 12, 2026

Jamin Ni, Biomedical Engineering, College of Engineering

Faculty Mentor: Dr. Christopher Arena
2026 Design of Medical Devices Conference, Minnesota, April 20-22, 2026

Office of Undergraduate Research Ambassadors

Annabel Bass (Graduation: Spring 2026)
Sociology – Engineering Education

Brianna Reilly (Graduation: Spring 2026)
Clinical Neuroscience – Concussion Science, Biomechanics & Sports Safety Engineering

CJ Rufe (Graduation: Spring 2026)
Plant Science – Soil Sciences

Grayson Ryan (Graduate Student)
Architecture – Cognitive neuroscience and the built environment

Hannah Beasey (Graduation: Spring 2026)
Biological Sciences and Microbiology - Brain cancer, T-cell engineering, and fluid flow

Jaden Minnick (Graduation: Spring 2026)
Chemical Engineering & Physics – Nuclear Physics

Lindsay Smith (Graduation: Spring 2026)
Microbiology – Phage drug delivery and gut microbiome research

Mackenzie Woolls (Graduate Student)
FBRI – Translational Biology Medicine and Health program at the FBRI campus in Roanoke

Nicole deFoor (Graduate Student)
Computer Science – Machine learning, natural language processing, theoretical condensed matter physics, computer science education

Nolan Platt (Graduation: 2026)
Psychology And Human Development – Child and Clinical Psychology

Reagan Scherer (Graduate Student)
Physics – Astrophysics, Radio Astronomy & Data Analytics -

Shirin Mohammadian (Graduation: Spring 2026)
Dual Degree in Computational and Systems Neuroscience and Psychology – Physiological Psychology, Mind-Body Interactions, Neural Movement and Coordination

Shruthi Ramani (Graduation: Spring 2026)
Political Science – Government and politics with a focus on data science

Thiviya Karuppasamy (Graduation: Spring 2026)
Microbiology and Public Health – Plant pathology & environmental, aerosol and plant microorganisms

Zacarya Elbash (Graduate Student)
Neuroscience – Clinical Neuroscience (nicotine and alcohol addiction)

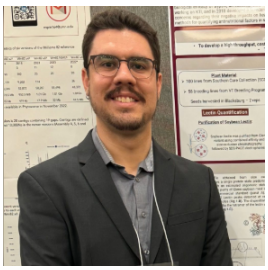
2025-26 Outstanding Undergraduate Research Mentor Award

An often overlooked, unrecognized and unrewarded mode of teaching is mentoring undergraduate students in research. Four years ago, the Office of Undergraduate Research launched the Outstanding Undergraduate Research Mentor Award - for a Faculty and a Graduate Student - to recognize the hard work, time, dedication, and guidance that research mentors provide to undergraduate students.

Undergraduates were asked to nominate one Virginia Tech faculty or graduate student research mentor from any discipline for this award. We received nominations for faculty members and for graduate students. It was extremely humbling and inspiring to review the thoughtful and passion-filled nominations. Many recognized the tireless and often unrewarded efforts of their mentors and indicated that their mentor made their Virginia Tech experience unique and overwhelmingly had a positive impact on their future plans.

Monet Roberts

The recipient of this year's **Outstanding Undergraduate Research FACULTY Mentor Award is Monet Roberts, Ph.D., Assistant Professor in the Department of Biomedical Engineering.**



Matheus Ogando do Granja

Tied for Outstanding Undergraduate Research GRADUATE STUDENT Mentor Award is Matheus Ogando do Granja (School of Plant and Environmental Sciences).

Tamalika Paul

Tied for Outstanding Undergraduate Research GRADUATE STUDENT Mentor Award is Tamalika Paul (Biomedical Sciences and Pathobiology).

Thank you to all undergraduate research mentors. Without mentors, students could not engage in research and without exceptional mentors, students would not gain as much out of the research experience!

Thank you to the Office of Undergraduate Research Advisory Board!

For sharing your knowledge, experience, advice, and hard labor with us and your fellow students, faculty, and staff at Virginia Tech. The Office of Undergraduate Research would not have near the impact or be able to provide near the opportunity without your incalculable dedication and support.

Advisory Board

Sherlyn Ball
Anne Brown
Caitlin Collins
Yancey Crawford
Debbie Day
Dennis Dean
Sarah Downer
JP Gannon
Hannah Glisson
Debby Good
Monica Hunter
Iris Jenkins
Carrie Kroehler
Stephanie (Nikki) Lewis
Amanda MacDonald
Adam Maxwell
Isabel Prochner
Rachel Reid
Joseph Simpson
Pam Van deVord
Abby Walker
Shuyu Zhang

Student Members:

Thiviya Karuppasamy

The Inaugural Undergraduate Nutshell Games

90-second research talks by Virginia Tech undergraduate students

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The games were made possible by the Dennis Dean Thatre STEM Program, a collaboration between the Office of Undergraduate Research, the Center for Communicating Science, and VT's theatre arts program.

UNDERGRADUATE NUTSHELL GAMES FO FROM
3:25 P.M. – 3:55 P.M.

- *The Obstacle Course of Learning Mathematics;* **Sean Clark**; Department of Mathematics; Mathematics (Applied & Computational)

- *Whodunit? Lack of Oxygen Killed the Kings of the Sea;* **Brooklyn Harris**; Department of Geoscience; Geoscience

- *The Mission for Cleaner Planes*; **Angela Jiang**; Department of Aerospace and Ocean Engineering; Aerospace Engineering

- *TRACE: Cracking the Seafood Trade Code;* **Nikhitha Khasnavis**; Department of Department of Computer Science; Computer Science

- *Small Particles, Powerful Reactions: Exploring Nanocatalysis in Rare Earth Metals;* **Jenna Kapp**; Department of Chemical Engineering; Chemical Engineer

- *4000 Years of Bat Poop: How sulfur reveals past climate and environments;* **Michael Loin**; Department of Geoscience; Geology

- *An Emerging Killer: Drug Resistant Fungi;* **Roman Matamoros**; Department of Chemistry; Biochemistry

- *Small Flies, Big Science: What Fruit Flies Teach Us About Temperature Sensing;* **Charlotte Monck**; School of Neuroscience; Clinical Neuroscience

- *SAF Happens: Why Your Aircraft Doesn't Believe in Climate Change Yet;* **Hannah Petersen**; Department of Electrical and Computer Engineering; Electrical Engineering

- *Can You Hear a Drone Before You See It?*; **Apple Zhou**; Department of Electrical and Computer Engineering; Electrical and Computer Engineering

Conference Schedule & Abstracts

Conference Schedule

Session 1 (8:00 - 8:50am)

Poster #	Primary Presenter Last Name	Poster Title
1	Akpinar	TEAM Malawi: Drone and GIS Technology GIS & Public Health
2	Albers	Tom's Creek Benthic Macroinvertebrate Abundance and Relations
3	Areeba	Virus-Mediated CRISPR Delivery for Genome Editing in Barley
4	Azar	Autumn Olive: Addressing The Spread of An Invasive Species With Fungi
5	Batts	Selective Benefits of Context Variability in Aging
6	Blake	Spectral Warrior: Learning RF Through Gamification
7	Burcher	3D Printed Magnetodielectric Materials
8	Dammalapati	Serotonin Dysfunction in the Anterior Thalamus may be Implicated in Dravet Syndrome
9	Dee	The Effect of Low Dissolved Oxygen Levels on Exploratory Behavior in Eastern Hellbender (Cryptobranchus alleganiensis) Larvae
10	Foley	Computational Dissection of Sucrase-Isomaltase Variants: In Silico Functional Profiling of Missense Mutations Underlying Congenital Sucrase-Isomaltase Deficiency
11	Gal	Reprogramming the Tumor Microenvironment: Local Ablation and Abscopal Immune Effects of H-FIRE in Pancreatic Cancer
12	Grant	Identifying Autism-Focused Professional Development Needs of Educators in Rural Southwest Virginia
13	Haueis	Elucidating Enzootic Prevalence of Dirofilaria spp. in wildlife and mosquitoes in Central and Northern Virginia
14	Hildebrandt	Navigating No Man's Land - Exploring resilient forms of engagement for a landscape of conflict
15	Korzun	Predicting Conservation Understanding in Young Children Using Gesture
16	Lahoud	Flapping Wing Drone Inspired by Bats
17	Little	Soil microarthropod and compost source effects on lettuce growth and development
18	Manges	Classification of Patellar Tendinopathy in Collegiate Athletes
19	Martin	Interacting with Uncertainty in Prediction Markets: Evidence of Herding Behavior
20	Morrison	Assessing Anti-Rotavirus Polymer Cytotoxicity in Monkey Epithelial Cells via Complementary Assays
21	Nazemi	The Effect of Temperature Manipulation on Locomotive Ability Among Differing Groups of Individuals
22	Poorman	Understanding the Multifaceted Roles of Radical SAM Enzymes in Methanogenic Archaea

23	Powell	Relations between Sympathy and Altruistic and Public Prosocial Behavior: The Intervening Role of Ascription of Responsibility
24	Reitmeier	Examining Distress Tolerance and Jealousy as Predictors of Daily Cyber Intimate Partner Violence Perpetration
25	Rocha	Kinetic Facade Design Utilizing Polarizing Filters
26	Romero	Seasonal Detections of the World's Smallest Carnivore, the Least Weasel (Mustela nivalis), on the Virginia Tech Campus
27	Sapperstein	Investigating Auxin Biosynthesis in Saccharomyces cerevisiae Through Targeted CRISPR Knockouts
28	Sizer	Complex Decision Making in Stentor
29	Stricklin	Pain in the neck: first report of vertebral osteomyelitis in Deinosuchus
30	Sullivan	Optimizing Somatic Embryogenesis in Arabidopsis thaliana: A High-Efficiency Method for Embryogenic Callus Induction and Purification
31	Pesola	Nudging Perceptions of Critical Minerals
32	Wiener	Understanding Nutrition Security Constructs: A Scoping Review
33	Willett	Consumption of ultra-processed foods and increased risks of cardiovascular disease in US adults
34	Wilson	Maltreatment and Social Connectedness: The Role of Parent-Child Communication
35	Yalamanchilli	Bilateral Sleep Spindle Overlap as a Predictor of Improvement in Brain-Computer Interface Performance
36	Zarnegar	Choreography creation is associated with increased dispositional flow and changes in beta neural activity in experienced dancers
37	Petersen	The Influence of Jet-A to HEFA-SPK Fuel Switching on Young's Modulus, Dimensional Change, and Degradation Behavior in Fluorocarbon Elastomer O-Rings

Session 2 (9:05 - 9:55am)

Poster #	Primary Presenter Last Name	Poster Title
1	Abdel Motaleb	How do different mycelium species and substrate formulations influence soil strength and stability?
2	Akpinar	Team Malawi: Public Health Education and Professional Development
3	Angulo	The Effect of Resistance Training on Sprint Performance in Adolescent Male Swimmers During a Three-Month Period
4	Bowser	Bluehead Chub (Nocomis leptocephalus) abundance influence on fish diversity in Toms Creek, VA
5	Bryant	Developing a Modifiable Plant-Hormone Biosensor in Yeast

6	Deane	Clarity, Comfort, and Stress: Understanding Students' Experiences with Generative AI in Academic Work
7	DeNeal	Safe Grounds: Space for LGBTQ+ Belonging
8	Dimaren-Hall	Heterologous Expression and Purification of the Nitrogenase Protein NifZ from Azotobacter vinelandii
9	Dinesh	Visualization of X-ray generated Inversion 35 (Inv35) in arboviral vector Aedes aegypti
10	Dingler	From Bats to Bots: Adaptive Echolocation in Robotics
11	Evilsizer	Fighting Phytos: Documenting Intraspecific Pathologies In Phytosaurs
12	Ferguson	Nanofabricated fiber networks to reveal the role of sensory feedback in animal locomotion
13	Flota	Influence of Dredging on Dissolved Oxygen Dynamics in a Retention Pond
14	Frank	Examining the behavioral and neural impact of musical theater in individuals with neurodevelopmental disabilities
15	Freday	Examining the Linkage Between Digital Influence and Increasing Student Accommodations in Montgomery County
16	Gitre	Parent-absent begging in Eastern Bluebirds: characteristics, correlates, and consequences
17	Hildebrandt	Feral Landscape Futures Lab
18	Holland	Modeling Spatial Temperature Structure Using Generalized Additive Models and Local Indicators of Spatial Association
19	Hu	Investigating Meteorological Drivers in Models of Aedes Albopictus Population Dynamics
20	Jiang	Improving Accuracy of LLM-Based OCR Through Document Segmentation and Specialized Prompting
21	Jora Macrea	The Effects of Electromechanical Uncouplers Blebbistatin and BDM on Cardiomyocyte Conduction Velocity
22	Khanduja	Geometries of Power and Ornament: Reconstructing Fatehpur Sikri Through Drawing and Digital Craft
23	Layne	The Influence of the Situationist International Tactic of Détournement on Contemporary Protest and Activist Methods
24	Li	Long-Term Sustainability of A wealth tax Base under Liquidity Constraints: An Agent-Based Modeling Approach
25	Marsden	Roots to Results: Understanding the Impacts of Preschool on At-risk Students' Kindergarten Success
26	Mohammadian	Facial Features Outperform Cardiovascular Variables for Motivational Dimension Prediction
27	Nair	Comparing Type 1 and Type 2 immunoglobulins in STAT4 Myeloid cell knock out MRL/lpr mice

28	Nohr	Landscapes that fight back: strategies for managing Spotted lanternfly in Philadelphia
29	Parikh	Nav-Cap: An Assistive System that Promotes Independent Training for Swimmers with Visual Impairments
30	Rajeshkumar	From Childhood Maltreatment to Adult Emotion Regulation: Associations Across Abuse and Neglect Subtypes
31	Schneider	Sustainability and Mechanical Characterization of Mycelium-Based Leather as an Alternative to Bovine Leather
32	Schurtz	Central Appalachian Food System Planning: Mapping Capacity and Action
33	Skinner	Benchmarking Document Layout Analysis Models for OCR in LLM Pipelines
34	Stockli	Fronto-Parietal EEG Coherence in Infancy and Preschool Math Ability: The Moderating Role of Inhibitory Control
35	Tao-Lin	Investigating the Effects of Predictor Location Number and Concentration on LSTM Precipitation Forecasting Performance
36	Woods	Loss of astrocytes in J20 mice is associated with disease progression
37	Zhao	Open Circuit Potential of eutectic FUNaK salt in 0.5M nitric acid

Session 3 (10:10 - 11:00am)

Poster #	Primary Presenter Last Name	Poster Title
1	Ali	Investigating Diurnal Oscillations of Cell Division Timing in Stentor coeruleus
2	Altizer	Right Place, Wrong Time: The Changing Phenology of Culturally Significant Plants in Southern Appalachia
3	Boudreau	“This is how you correctly say Appalachia": Regional pronunciation differences and metalinguistic awareness across Appalachia
4	Brooks	Re-evaluating the Correlation Between Theory of Mind and Internalizing Psychopathology: The Mediating Effect of Social Desirability Bias
5	Carter	Habitat Suitability Modeling in ArcGIS for the Blacksburg Salamander (Plethodon jacksoni) Using Field Observations and Cover Data
6	Chandrakar	A global analysis of the impact of ecophysiological constraints on mollusk diversity in freshwater lakes
7	Connor	Effects of Supplementing Commercial Feed with Black Soldier Fly Larvae (Hermetia illucens), Cultured on Brewery Spent Grains, on the Growth and Health of Rainbow Trout
8	Gala	Design of a Flapping-Folding Wing Mechanism Inspired by Bats

9	Ganapuram	Improving focused ultrasound source modelling using back-projected acoustic pressure fields: A framework for FUS neuromodulation studies
10	Garza	The Influence of Car Seat Carrying Technique on Lower-Limb Symmetry During Gait
11	Goldstein	Examining Associations Among Gender, Math Self-Efficacy, Math Self-Assessment, and Word Problem Solving Accuracy
12	Grove	Harmonic Signatures of Compound Coil Misalignment in Low-Power Wireless Power Transfer
13	Hardin	Molecular Characterization of the Lactic Acid Bacteria from three distinct sourdough starters
14	Harrigan	Math Motivation and Math Anxiety as Predictors of 4th Grade Math Performance: Examining Gender Differences
15	Hendershot	Optimizing Sex Separation in Aedes aegypti Mosquitoes
16	Hill	Grade-Level Variation in Learning Outcomes After School-Based Neuroscience Intervention
17	Ibrahim	From Play to Structure: Does the transition from Kindergarten to First Grade Influence Children's Inhibitory control and Social Skills? Rana Ibrahim
18	Khouvongsavanh	How early environment and behavior shape psychopathology
19	Kirsch	From Risk to Resilience: Designing Industrial Waterfronts under Flooding Pressure
20	McKay	Biomechanical Assessment of Anchor-Suture and Button-Based Fixation Techniques for Suprapectoral Biceps Tenodesis
21	Naran	Vitamin G
22	Nejadian	Investigating the Role of Human Milk-Derived Exosomes in Oligodendrocyte Progenitor Cell (OPC) Proliferation and Differentiation
23	Nguyen	Regulation and Reactivity are Related to Early Word Learning but Differently across Gender
24	Nguyen	SealQA: Raising the Bar for Reasoning in Search-Augmented Language Models
25	Panjsheeri	"Grok is this true?": Analyzing the impact of social media and generative AI on the social ability of university students.
26	Rajeshkumar	Association of Diet and Cognitive Reserve with Locus Coeruleus-Salience Network Functional Connectivity
27	Scanlan	Movement Made Memorable
28	Seibert	Does Gesture Facilitate Understanding in Young Children?
29	Sharma	QuPath Investigation of Histotripsy Effects on Ki-67 and Caspase 3 Markers
30	Sierra	Masking Among Women of Color With ADHD
31	Stansbury	Mileposts: Post-2026

32	Stokes	Emotion Dysregulation and Cyber Intimate Partner Violence among College Students
33	Sullivan-Fielding	Occupancy analysis of the threatened, white-lipped peccary (Tayassu pecari) in Belize, Central America
34	Tocci	Does Context Variability Benefit Recognition Memory Under Divided Attention?
35	Townsend	An Analysis of Neutrino Detectors in Nuclear Security
36	Tumma	Flocculation-Based Removal of Mixed Microplastics from Various Water Sources
37	Yu	Performance Analysis of a 5 Bar linkage pentapod for Martian locomotion
38	Zientek	Investigation of brainwave signal characteristics during mental and physical relaxation/tension

Session 4 (11:15 - 12:05pm)

Poster #	Primary Presenter Last Name	Poster Title
1	Atoche Diaz	Function Words and Their Relationship with Academic Success: A Replication and Extension of Pennebaker Et Al. (2014)
2	Awatramani	Characterization of Glycan Binding Probes from Chicken and Pig Ficolin for Zoonotic Virus Detection
3	Barraza	Somatic Problems in Children with Autism and Other Diagnoses
4	Blue	Better Late than Never: Comparing Spring and Summer Varieties in a Changing Climate
5	Boudreau	A comparison of mean length of utterance in morphemes (MLUm) and mean length of utterance in words (MLUw): evidence from a longitudinal study of African American English (AAE)
6	Bruno	What Makes a House a Home? Ecological Influences onto Carnivore Occupancy and Detection from 2006-2020 at Mountain Lake Biological Station, Giles County, Virginia
7	Campbell	Population Status and Trend of Iliamna corei (Peter's Mountain Mallow; Malvaceae), a Federally Endangered Appalachian Endemic
8	Carroll	Resolving the Origins of Trichomonas gallinae in North America
9	Cohen	Optimizing Methods for the Extraction of Phenolic Compounds in Blackberry Jam
10	Dhruva	A Pulse-Powered Microfluidic Infusion Pump: Preliminary Characterization on Human Subjects
11	DiGuilio	Navigating Social Acceptance of Wolf Reintroduction through Agent-Based Modeling
12	Egan	Analyzing Behavioral Inhibition in Toddlers Across Novelty Tasks

13	Faza	Can Young Children Learn with AI? The Benefits of Parent-Child Joint Reading with AI Voice Agents on 4-6-Year-Old Children's Patterning Skills
14	Hanrahan	Shooting For Gold: Optimizing Shoot Formation in Protoplast Regeneration
15	Jawish	Assessing the Seed-Dispersal Networks of Common Fleshy-Fruiting Invasive Plants in Virginia
16	Jo	Investigating the relationship between equanimity and positive and negative affect
17	Jon	Performance on Lab Tasks Predicts Accuracy on Brain Games
18	Karuppasamy	Hands to Plants: Investigating the Effect of Human Touch on the Lettuce Leaf Microbiome
19	Kavalier	Rewiring Recovery from Substance Use Disorders: Educational Neuroscience Outreach in a Residential Treatment Facility
20	Kim	How AI-based real-time translation systems for parent-teacher conferences affect attendance rates and school involvement among low-income immigrant families who attend Virginia's multilingual public high schools.
21	Lambert	Identifying Drivers of Sedimentation and Their Ecological Impacts in Toms Creek, VA
22	Mahajan	Resilient Collaborative Navigation Using Intervehicle Ultra-Wideband Ranging in GNSS-Degraded Environments
23	Mencia	Living Streets : In Search of the Human Scale and Liveliness Within the Public realm
24	O'Donnell	Novel Breast Cancer Treatment Technique
25	Osborne	Impact of urban development and sediment dredging on stream water quality
26	Patel	The Relations Between Maternal Support and College Students' Internalization of Moral Values
27	Pestana	Building stronger partnerships: Improving Indigenous-Agency collaboration for Sea Lamprey management in the Great Lakes
28	Posani	Improving Harm Reduction Education and Resource Access for Young Adults
29	Purevtugs	Investigation of the Mid-Year Slump in Undergraduate Education
30	Sarmiento	Direct macrophage-smooth muscle cell interactions in the injured arterial wall
31	Steinmann	First Successful Engraftment Of Human Pancreatic Cancer Cells In Immunocompromised Porcine Model To Test Tumor Ablation By High-frequency Irreversible Electroporation (H-FIRE)
32	Swenson	Small Prompts, Big Impact: Reducing plastic bag use in grocery stores
33	Terwilliger	Appalachian Regional Food Systems Resilience
34	Watson	Understanding Gene Regulation by Auxin Response Factors in Plants

35	Weaver	On the Robustness of Top-down Stochastic Block partitioning: Turning ommunity detection upside down
36	Weiss	Assessing Potential Fungal Wilt Pathogens on Leaf Stomatal Conductance and Chlorophyll Fluorescence in Autumn-Olive
37	Yang	When Ears Compute: Bioinspired Dynamic Pinnae for Sonar Sensing
38	Zook	Effects of Urban-Originated Light Pollution on Stellar Observations from Observatories Based in the United States of America
39	Choudhary	Molecular Profiling of Stromal Components in Prostate Cancer: Leveraging LCM and RPPA to examine Clinical Outcomes

Session 5 (12:20 - 1:10pm)

Poster #	Primary Presenter Last Name	Poster Title
1	Ali	Local Manufacturing of Pediatric Ankle-Foot Orthotics in Low-Resource Settings using 3D-Printing Filament from Recycled Plastics
2	Britt	Antibiotic Susceptibility Testing of Microbacterium hydrothermale
3	Bryant	Designing Spherical Metal Hydroxide Particles for High-Performance Cathode Materials
4	Burns	Evaluating the Asymmetric Inland Precipitation Structure of Tropical Storm Imelda (2019)
5	Cole	Evaluating the Effectiveness of the Just Say Know Program in Rural Appalachia
6	Cook	Evaluation of floral hairs for species identification of wild gingers (Hexastylis)
7	Cooney	Inhibitory Control and Object Permenance on the A-Not-B Task in the First Two Years of Life
8	Cummings	The Impact of The Connection Project on Virginia Tech Student's Well-Being
9	Dreesbach	Does chemical diversity impact the adaptation of plant pathogens?
10	ElBarbir	The effect of social media on the shifting narratives of the 2020 US presidential election.
11	Elledge	Patterns of Onsite Wastewater Construction and Repair in Virginia
12	Ferris	Effects of Various Factors on Pet's Weight
13	Fiore	Hydrofluorination-Based Purification of Molten Salt Reactor Coolants: Process and Characterization
14	Gehman	Investigating Intraspecific Behavioral Dynamics of Wild American Black Bears (Ursus americanus) via Camera-Collars
15	Groarke	Vegetation restoration impacts on water temperature, light, and insect emergence patterns along Stroubles Creek
16	Kelley	Enhancement of the LEWAS Lab
17	Lakhat	Support That Matters: Workplace Predictors of Women's Job Satisfaction

18	Leake	Unfurling Fern Ethnobotany
19	Liu	Optimizing The Delivery of Low-Intensity Focused Ultrasound Stimulation: A Systematic Review and Meta-Analysis.
20	Loin	Using Sulfur Contents and Isotopes to Investigate Bat Guano
21	Lupica	Amplifying Awareness on the Dangers of Fentanyl Among High School Students
22	McCaw	Moving together: The role of inclusive group exercise in boosting mental health and cognitive function
23	McLaughlin	Currents of Community
24	Modi	HokieHelp
25	Moher	Replicability of fMRI representational similarity analyses of the hippocampus in episodic memory encoding
26	Mojica Orjuela	Trauma Basics Training
27	Nirar	Cybersecurity in Formula 1 Telemetry: Safeguarding Engineering Workflows and Data Integrity
28	Patel	Parents and peers: How early dyadic interactions reflect peer aggression
29		
30	Sabir	Dental Decay and Oral Health: An Investigation of Water Quality and Fluoride Exposure on Bioavailable Calcium Sources
31	Salama	PERM1 Gene Therapy Preserves Cardiac Function and Mitochondrial Bioenergetics Despite Suppressed Mitochondrial Gene Expression in Pressure Overload–Induced Heart Failure”
32	Schrauder	Identification of canine commensal skin bacteria that potentially inhibit the growth of Staphylococcus pseudintermedius
33	Sharu	Influence of Human Foot Traffic on the Presence of Tetracycline-Resistant Antibacterial Genes
34	So	Chronic lead exposure impacts songbird cognition during adulthood
35	Tate	Analyzing NEXRAD Radar Estimated Rainfall During High Precipitation Events in Appalachia
36	Townsend	Assessing Transgender Psychological and Physical Safety at a University: A Mixed Methods Approach
37	Verschell	Evaluating Histotrispy as a Dual Pronged Therapy for the Treatment of Murine Breast Cancer
38	Vitulli	Effects of Group Music Therapy on Non-verbal Communication in People Living with Dementia and their Caregivers

Session 6 (1:25 - 2:15pm)

Poster #	Primary Presenter Last Name	Poster Title

1	Aziz	Effects of Metal Incorporation on Enamel Susceptibility to Acid-Induced Demineralization
2	Back	Determination of the apparent metabolizable energy (AME) of soybean soapstock in 23-day old broiler chickens.
3	Bee	Under the Skin but on the Mind: How experiences of race-based discrimination are associated with self-esteem in Latinx Undergraduates
4	Biersack	Investigating translational control of cell cycle progression through 5'UTR-mediated regulation
5	Bingenheimer	Abuse Prevention Bias Study
6	Brown	How Landscape Change Influences Water Chemistry and Microbial Activity in Streams
7	Burkwall	Developmental Changes in Frustration and Emotion Regulation in Early Childhood
8	Cheng	A Case Study Evaluating Microplastic in Drinking Water and on Sidewalks on a College Campus
9	Coatney	The Effects of Mutating Copper Regulating Protein ATP7B
10	Dichoso	Access to Healthcare in Malawi: Focusing on Mobile Clinics and Women's Health and Outreach
11	Elliott	Investigating the Bystander Effect in a University Campus Environment
12	Fitzgerald	Seed predation risk in a recovering tropical forest landscape in northwestern Ecuador
13	Fuccello	Molecular Dynamics Simulations of Human IAPP: Insight into Structural Ensembles that Contribute to T2D
14	Kapoor	Dangerous Harbors - Sentiment Analysis
15	Lane	Linking Lakes: Hydrological Connectivity and Ice-Nucleating Bacteria in the Bodensee Alpine Lake System in Austria
16	Lawrence	The Association Between Cognitive Performance and Instrumental Activities of Daily Living Among U.S. Older Adults
17	Lazzarotto da Silva	The Politics of Data Collection During Infectious Disease Outbreaks: The Navajo Nation and COVID-19
18	Levy	Utilizing Computational Methods to Improve Targeting of the PWWP Domain of NSD Proteins for Cancer Therapeutic Development
19	Marken	Benefits Of Raman Spectroscopy To Infectious Disease Diagnosis In Low Resource Settings
20	McGinn	Influence of Soil Microarthropods and Pathogenic Stress on Phenolic Compounds in Beets
21	Miller	Design and Characterization of Auxiliary Beam Monitors in the MOLLER Experiment
22	Mitchell	Validating the Mechanism of Action of RetS on GacS

23	Nguyen	Computational Investigation of the Binding of an Alternative Ligand to the μ-Opioid Receptor
24	Ni	Beyond Cats and Dogs: Traditional vs. Nontraditional Pets
25	Panwar	Seemore 2
26	Patel	Impact of the F330Y Mutation on Ligand Binding Affinity in Acetylcholinesterase
27	Pazuki	Educational Discrimination Stress between First-Generation and Continuing-Generation Latinx College Students
28	Pesola	Nudging Perceptions of Critical Minerals
29	Polese	Effect of Substituting Lysine at Position 214 on Binding Free Energy in Glucokinase in E. coli
30	Polk	Using Stable Carbon Isotopes to Evaluate the Long-term Environmental History of Peter's Mountain Mallow
31	Reinholtz	Decarcerating Landscapes: An Alternative Approach to Landscape Design for Juvenile Justice
32	Ruiz	RNA CRISPR Modeling of Cancer
33	Safari Tooj	Optimizing Solar Power Utilization using AI-Based Weather Forecasting
34	Son	Stretchable Liquid Metal Elastomer Composite Sensors for Soft Robotics
35	Standen	Investigating the Antibiotic-Resistant Capabilities of β-Lactamase using Molecular Docking and Mutagenesis
36	Sunkara	How do the molecular properties of Lispro (rapid-acting insulin) and Degludec (long-acting insulin) differentiate their ability to stabilize blood sugar through their interaction with the insulin receptor?
37	Velin	Can Insect Carbon Stable Isotopes In Temperate, C3 Dominated Environments Identify Long-Term Vegetation Changes?

Session 7 (2:30 - 3:20pm)

Poster #	Primary Presenter Last Name	Poster Title
1	Almany	Optimization of Mass Spectrometry for Integration of a New Analytical System
2	Anjani	Transcriptomic Profiling of KCNT1 and Other DEE Genes Across Mouse Brain Development, Regional Architecture, and Spatial Context
3	Banning	Differences in the Predicted Free Energy of Binding of Cefoxitin and Ceftriaxone in β-Lactamase of Mycobacterium Tuberculosis
4	Boyce	Effect of Early-Life Lactose Supplementation on Health Outcomes in Preweaned Dairy Calves
5	Castillo	Educating High Schoolers on the Use of Magnetic Resonance Imaging (MRI) to Study Substance Use Disorders

6	Chestukhin	Exercise training promotes cardiometabolic and mitochondrial plasticity independent of AMPK alpha2 T172 activation
7	Croitoru	Understanding Rape Myth Acceptance and Bystander Behavior in Sexual Minority College Students
8	Fleming	Narrative Memory Capabilities within Adolescents and Adults with Down Syndrome and Fragile X: Internal Details Across Time and Between Groups
9	Goebel	The Effects of Vibroacoustic Stimulation on Heart Rate Variability and Cardiovascular Recovery in High-Performance Female Basketball Players Between 17 – 25 Years of Age
10	Gordon	The Effect of a Point Mutation on Ligand Binding in the Mu-Opioid Receptor
11	Grant	Computational Investigation of ligand binding in Jasmonic Acid-Amino Synthetase variants
12	Griffith	The Impact of Breed and Life Experience on Pet Behavior
13	Griller	Team Malawi: Low-Cost Low-Power Repairable Radios
14	Judy	Characterizing the effect of sugar and inorganic nitrogen on the toxicity of amino acids in Arabidopsis
15	Katu	The Binding Affinity of Acetylcholinesterase with an Alternative Substrate Butyrylcholine
16	Kim	Shared and Distinct Neural Responses During Aggressive and Prosocial Behaviors: A Systematic Review of fMRI Studies Across Adolescence and Young Adulthood
17	Kumar	Human Centered Cockpit Design for Aviation Safety
18	Larimer	Expeditionary 3D Concrete Printing for Rapid Soldier Protection: Materials, Methods, and Mission Fit
19	Malavathu	StateCommute: A Pathway-Level Framework for Cell States, Trajectories, and Signaling
20	Mallesan	PyMOL Workbench: An integrated toolkit for protein visualization and pocket analysis
21	Marsh	Optimizing probe-based digital PCR for detection of total and pathogenic E. coli in soils
22	Mattingly	Analyzing the Effects of Financial Gain on Prosocial Decision-Making
23	Naveen John	The Decriminalization of Cannabis: A Brief on How Advancements in Neuroscience Can Shape the Future of Drug Policy
24	Pankratz	Feasibility of histotripsy to facilitate non-invasive transverse ligament release using a naturally occurring equine model; a dose determination study
25	Patten	Potassium and Thyroid Intake and Urinary Excretion in Female Runners
26	Ramos Lopez	Cardiac Structural and Functional Decline Following Meis1 Deletion
27	Saccone	Computational Investigation of Ligand Binding in an Adenosine Deaminase Mutant
28	Sanson	Neuroscience Education in Action at Brain Day

29	Santsaver-Jones	Role of Alexithymia and Mentalization as a Predictor of Somatic Symptom Reporting in Non-Clinical Samples
30	Smith	Why Science Needs Storytelling: Explaining Land Clearing in Australia to Public Audiences
31	Somala	Semantic Clustering of Course Feedback Using Embedding-Based Models
32	Taylor	Determination of Poison Ivy Urushiol Concentrations Throughout a Growing Season
33	Trauger	Evaluating Sire Influence on Dairy Cow Productivity and Performance
34	Trubenbach	Foodborne Disease Surveillance Informed by Wastewater-Based Epidemiology
35	VanDyk	The Relationship Between Early Medical Trauma and Development in Infants with Down Syndrome
36	Wang	Persistence and Transfer of Listeria to Leafy Greens in Hydroponic Systems
37	Woollard	Just Say Know: A neuroscience-based approach to educating adolescents about substance use and addiction
38	Yerks	72 Hours in the Amazon: Rapid Biodiversity Assessment Using Environmental DNA

Session 8 (4:05 - 4:55pm)

Poster #	Primary Presenter Last Name	Poster Title
1	Berzi	Tetracycline Antibiotic Resistance in Rural Versus Urban Environments
2	Chiang	The Application and Analysis of Topic Modeling Across a Century of Runaway Court Cases
3	Dawson	Identification of Small-Molecule Binders for the c-kit1 G-Quadruplex:
4	Doss	The Role of Headphones and Proximity in Prosocial Behavior: An analysis from naturalistic behavioral observations
5	Edwards	Artificial Intelligence in the Early Detection of Parkinson's Disease
6	Fess	Targeting Perilipin2 Lipid Droplets to Blunt Inflammatory Response
7	Gamboa	Vaccine hesitancy: Exploration of the connection between child vaccine hesitancy and pet vaccine hesitancy
8	Goris	Sugar as Process, Place as Memory
9	Guardino	Investigating the Role of NLRX1 in SARS-CoV-2 Infection in a Humanized Murine Model
10	Hamilton	Within Water Terrain: Redesigning from Roof to Riparian
11	Hassouna	Artificial intelligence (AI)-Powered Metagenomic Surveillance for Viral Detection

12	Hill	Using point mutations to increase binding efficiency between Mutated Huntingtin Protein and Xyloketal β-6
13	Kang	Automatic identification of relevant scholarly work for initial screening in systematic reviews
14	Kersey	Roots and Routes: How Generational Status Shapes Ethnic-Racial Socialization Among Latinx Emerging Adults
15	Khasnavis	Cleaning and Resolving Company Names in Large-Scale Seafood Trade Data
16	Layman	Characterizing the Effects of Recycled Amino Acid Biostimulants on Arabidopsis Growth Across Standard and Stress Conditions
17	Marion	Making the Batter: Preparing a Linguistic Corpus for Data Analysis
18	McCurdy	Tetracycline Resistant Bacteria and pH in Manured Soil
19	McDowell	Seed Dispersal and Secondary Metabolite Defense Against Insects
20	McFarling	Understanding plant growth regulation: Isolating the function of auxin response factors in yeast
21	Monteagudo	Enmbryogenic Callus Culture for Single Cell Regeneration
22	Moore	Phylogenetic analysis of Equine Parvovirus-Hepatitis (EqPV-H) Strains in Virginia Horses
23	Munoz-Martinez	A Data-Driven Digital Twin Approach to Enhancing Pedestrian Safety in Urban Intersections
24	Naimy	Hydrogeochemical Survey of the Lower Arroyo Seco
25	Naveen John	Myeloid-specific Stat4 Deficiency Attenuates Lupus-like Disease in MRL/lpr mice
26	Notley	Joint Regulation: Cloning Candidate Trichome Transcription Factors in Cannabis
27	Peterkin Williams	Gender Differences in How Black Romantic Partners Worry about Racial Discrimination
28	Richards	The "Um" Evolution: Sociolinguistic Drivers of the Diachronic Filler Shift
29	Roberts	The Effect of Birth Order on Personality
30	Rodriguez	Analysis of Novel Proteome-Level Mutations in Triple Negative Breast Cancer
31	Salzberg	Fig wasp composition between two native figs in the Mariana Islands
32	Sincavage	Creatures Big and Small - The Potomac River [Re]Generating Station
33	Staengl	Dietary Niche Partitioning in Mariana White-eyes
34	Summers	Effect of Colostrum Lactose Additive on Gain and Feeding Behavior in Pre-Weaning Calves
35	Upton	Determination of Toxic Locale in Lambda Phage via Point Mutations in the TL1 Terminator Region
36	Walsh	Research Towards the Development of an Autism College Support Program

37	Watkins	Assessing Naïve Occupancy and Trap Rate of Mammalian Prey Species in Giles County, VA
38	Yaregal	Clinician Adherence and Competency: Comparing Graduate Student Clinicians and Licensed Community Clinicians
39	Trader	Understanding ‘Addiction’: A Community-Based Book Club