

Poster Presentation Winners

Poster Session 1: Art Exhibit, Theater, and Dance

3. Suwatana Rockland, Theater & Dance
A comparison education between two countries

Poster Session 2: Architecture & Design

6. Hajar Rajab, Architecture & Environmental Design, *Floating lightweight concrete blocks made from dredged material*

Poster Session 3: Biological Sciences

11. M Rumman Hossain, Biological Sciences, *Bacterial colonization on different microplastics in a local stream in Northeast Ohio*

Poster Session 4: Biomedical Sciences I

17. Kristen Hirter, Anthropology, *Neurochemical Insights of Human Origins: A comparative analysis of dopaminergic innervation of the ventral striatum among primates*

Poster Session 5: Biomedical Sciences II

21. Devanshi Mehta, Biomedical Sciences, *The importance of diurnal corticosterone rhythms in regulating mood*

Poster Session 6: Communication, Information, and Computer Science

25. Pavan Poudel, Computer Science, *Adaptive versioning in transactional memories*

Poster Session 7: Chemistry & Biochemistry I

28. Payel Datta, Chemistry & Biochemistry, *Liposomal Formulation of a Cholesterol-Conjugated Pt(IV) Prodrug of Cisplatin*

Poster Session 8: Chemistry & Biochemistry II

33. Pramila Poudyel Ghimire, Chemistry & Biochemistry, *Development of nickel-incorporated MCM-41-carbon composites and their application in nitrophenol reduction*

Poster Session 9: Ecology and Evolutionary Biology I

36. Christian Bullion, Ecology and Evolutionary Biology, *Using Crowdsourced Data to Analyze Patterns in Odonate Phenology*

Poster Session 10: Ecology and Evolutionary Biology II

42. Cynthia Perkovich, Ecology and Evolutionary Biology, *Protein: carbohydrate ratios in the diet of *Lymantria dispar* (gypsy moth) affect its ability to digest tannins*

Poster Session 11: Education, Health, and Human Services I

49. Shabnam Moini Chaghervand, Teaching, Learning, & Curriculum, *ESL teachers' perception of being an effective instructor*

Poster Session 12: Education, Health, and Human Services II

55. Stephanie Schafer, Lifespan Development & Educational Sciences, *The effects of caregiver-implemented strategies on child's communication skills*

Poster Session 13: Fashion

60. Michelle Park, Fashion, *Disrupting lymphedema through garment design and coloration*

Poster Session 14: Geography

64. Sandra Bempah, Geography, *Monitoring Health Environments in Slums*

Poster Session 15: Geology

73. Sydney Laubscher, Geology, *Manganese dissolution kinetics and uptake rates by red maple trees in soils*

Poster Session 16: Liquid Crystal

74. Ahlam Nemati, Liquid Crystal Institute, *Amplification of chirality in axial chiral ligand by an enhancement of anisotropy factor of nanorods*

Poster Session 17: Mathematics

79. Mirjeta Pasha, Mathematics, *Medical Image reconstruction by linearized Bregman iteration with non-negativity constraint*

Poster Session 18: Neuroscience I

83. Zahra Ghasemahmad, Neuroscience, *Valence of Mating but not Restraint*

Vocalizations is Perceived Differently by Male and Female mice

Poster Session 19: Neuroscience II

87. Alyx Weaver, Neuroscience, *The Effect of Exercise on Brain Hemoglobin Expression in Rats*

Poster Session 20: Nursing

94. Dawn Troup, Nursing, *Enhanced recovery after surgery for hysterectomy*

Poster Session 21: Physiology I

96. Bryan Dowdell, Exercise Physiology, *Does high-cadence cycling improve emotional recognition in individuals with Parkinson's Disease?*

Poster Session 22: Physiology II

102. Meredith Paskert, Exercise Physiology, *Aging and autonomic modulation in women: Using resistance exercise as a countermeasure*

Poster Session 23: Psychological Sciences I

103. Jordan Adkins, Psychological Sciences, *Differences Exist for training intensity required for safety learning in male and female mice*

Poster Session 24: Psychological Sciences II

108. Carli Obeldobel, Psychological Sciences, *The relationship between mother-child attachment, depressive symptoms,*

*and emotion regulation in middle
childhood*

**Poster Session 25: Public Health and
Education**

112. Megan Anderson, Public Health,
*Analysis of mental health referrals by
university status and personality
characteristics following Mental Health First
Aid training*

Poster Session 26: Sociology

119. Rusty Schnellinger, Sociology,
*Contextualizing the epidemic: The role of
neighborhood in non-medical use of
prescription drugs*

Fine Arts Performance Winners

Music

Efferus String Quartet with Maria Florez,
Paula Castaneda, Irene Guerra, and Cristian
Diaz, Music, *String Quartet #9 in E-flat
major, op. 117. D. Shostakovich*

Creative Writing

Bonné de Blas, NEOMFA,
*Excerpts from: La Ciudad de las Calles de
Ramón y Cajal*

Oral Presentation Winners

Oral Session 1: Anthropology, History, and Communications Room 313

Michael Wilson, Anthropology, *Does it stick? Using thermoplastic vs. organic-based adhesives in experimental prehistoric ballistics weaponry testing*

Oral Session 2: Bioinformatics Room 308

Nazar Hussein, Cellular and Molecular Biology, *A novel Regulatory Role of TRAPPC9 in Osteoarthritis*

Oral Session 3: Biological Sciences Room 306A

William Feng, Biological Sciences, *The role of the fatty acid transporter CD36 in the therapeutic resistance of HER2-positive breast cancer cells*

Oral Session 4: Chemistry & Biochemistry Room 313

Pramila Poudyel Ghimire, Chemistry & Biochemistry, *Histidine-assisted nickel incorporation in MCM 41-carbon composite and its application in nitrophenol reduction compounds using (coumarin-4-yl)methyl-based phototriggers*

Oral Session 5: Digital Humanities I Room 310AB

Josiah Murphy (and Matt Wong), Teaching English as a Second Language, *Want to buy some snake oil? Enhance listening and*

speaking fluency in the English as a second/foreign language classroom

Oral Session 6: English & Library Sciences Room 318

Ted Daisher, Teaching English as a Second Language, *Do the Authentic and Graded Reader Versions of Texts Differ in their Collocation Content?*

Oral Session 7: Teaching & Pedagogy I Room 315

Tracy Arner and Rachael Todaro, Educational Psychology, *Flipping the Educational Psychology classroom: Investigating the relation between instructional design, learning strategy use, and retention*

Oral Session 8: Higher Education in Global Perspective Room 306B

Liangtao Ni, Cultural Foundations of Education, *China's "world-class universities" reform policy and the experiences of the Chinese higher education faculty in the American universities*

Oral Session 9: Material Science I Room 306C

Runa Koizumi, Liquid Crystal Institute, *Swimming bacteria swirl around nematic attractors*

Oral Session 10: Medical Humanities I Room 309

Samantha Ortiz, Behavioral Neuroscience,
*Corticosterone administration after early
adolescent stress selectively blocks stress-
induced potentiation of morphine place
preference in adulthood*

**Oral Session 11: Identity in a Global
Context
Room 319**

This special session will focus on
"Communicating Gender in a Global
Context: International Constructions of
Identity."

Nahla Bendefaa, Session Chair,
Communication Studies

**Oral Session 12: Materiality
Room 313**

Brittany Hujar, Art History, Kozo Miyoshi:
*An Interpretation of Water Through
Photography*

**Oral Session 13: Material Science II
Room 306C**

Babak Salehi Kasmaei, Physics, *Production
and flow of dileptons from quark-gluon
plasma*

**Oral Session 14: Medical Humanities II
Room 309**

Erica Marshall, Exercise Physiology,
*Autonomic Modulation After High-Intensity
Heavy Rope Exercise in Resistance-trained
Individuals*

**Oral Session 15: Music &
Ethnomusicology
Room 318**

Andrew Blake, Music Theory,
*Voice-leading and implied tonality in
quarter tone spaces: "Chorale", from Ives'
"Three Quarter-Tone Pieces"*

**Oral Session 16: Political Science
Room 306A**

Ikhsan Darmawan, Political Science, *E-
voting Adoption in Many Countries: A
Review of the Literature*

**Oral Session 17: Student Voice after
Parkland
Room 306B**

Danielle Weiser-Cline, Cultural
Foundations, *I Am Not Throwing Away My
Shot: Theatre Education, Political
Engagement, and the #NeverAgain
Movement*

**Oral Session 18: Environmental Science
Room 308**

Lindsey Yazbek, Geology, *Speciation and
transport in a coal mine drainage impacted
stream*

**Oral Session 19: Teaching and Pedagogy
II, Room 315**

Kayla Morehead, Cognitive Psychology,
*How much mightier is the pen than the
keyboard for note-taking? A replication and
extension of Mueller and Oppenheimer
(2014)*

Oral Session 20: Digital Humanities II
Room 310AB

Naser Al Madi, Computer Science, *Poor
Man's Research Eye-tracking Kit*