



Indiana University of Pennsylvania

The Eighth Annual
Graduate Scholars
Forum

Wednesday, April 4, 2018

PROGRAM



beyond expectations

Program At A Glance

8:00 AM-9:00 AM	Set up and Registration
9:00 AM-11:00 AM	Poster Display and Judging
9:00 AM-1:00 PM	Graduate/Undergraduate Student Art KCAC Lobby Atrium
9:00 AM-10:15 AM	Oral Presentation A-Sessions <ul style="list-style-type: none">• A1 Room 5: Human Health and Behavior• A2 Room 6: Examining and Improving Diversity• A3 Room 7: Myth and Horror in Media• A4 Room 8: Contemporary Issues in Immigration• A5 Room 9: Substance Abuse and Disorders
10:30 AM-11:45 AM	Oral Presentation B-Sessions <ul style="list-style-type: none">• B1 Room 5: Problems in the Criminal Justice System• B2 Room 6: Ecological Concerns• B3 Room 7: Teaching Administration• B4 Room 8: Institutional and Community Interactions
12:00 PM-1:00 PM	Luncheon, PNC Conference Room
1:00 PM	Graduate/Undergraduate Awards Ceremony & Inaugural Three-Minute Thesis Final Competition, Toretta Auditorium

Eighth Annual IUP Graduate Scholars Forum

Sponsored by

School of Graduate Studies and Research

Special Thanks to:

- Scholars Forum Planning Committee
- ARL Staff
- Forum Judges
- Session Moderators
- SGSR Staff and GA's

Award Sponsors:

- IUP Research Institute
- IUP Libraries
- Graduate Student Assembly (GSA)
- Sigma Xi
- S-COAM Program
- Academic Deans
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GSA Peer Choice Award (Oral and Poster Presentations)

The Graduate Student Assembly (GSA) will offer awards based on voting via a mobile device for select participants with poster and oral presentations in the 2018 Graduate Scholars Forum.

GSA Peer Choice Award (Three Minute Thesis)

The Graduate Student Assembly (GSA) will offer an award based on voting via a mobile device for one participant in the final competition for the Three Minute Thesis event during the Awards Ceremony.

ART EXHIBITION
9:00 AM – 1:00 PM
KCAC Lobby Atrium

This exhibition features artworks created by a select group of graduate and undergraduate Art majors. The artworks were juried by faculty members and represent the breadth of studio research conducted during the 2017/2018 academic year.

149	Tyler Gaston	157	Julia Cornell
150	Stephanie Martin	158	Nicholas DeLone
151	Katie Ott	159	Michael Hull
152	Lauren Scavo	160	Heather Kaiser
153	Sheila Swartz	161	Cicely Murray
154	Erin Tiedeman	162	Michael Pellow
155	Madelyn Barrante	163	Samuel Tyson
156	Cody Bloom		

ORAL PRESENTATIONS

SESSION A1
9:00am - 10:15am
ROOM 5

Human Health and Behavior

- 66 Lauren Wishnie (Biology) Effect of hyperglycemia on circadian rhythms in erythrocyte peroxiredoxins peroxiredoxins *Mentor: Dr. Megan Knoch*
- 67 Adam Naugle (Kinesiology, Health, and Sport Science) Assessing the Relationship Between Low Back Pain and Various Health and Performance Measures in College Aged Individuals *Mentor: Dr. Kristi Storti*
- 68 Amy Fiorentini (Kinesiology, Health, and Sport Science) An Examination of Physiological Responses during Simulated Occupational Stress of EMT Students in a Hyperthermic Condition *Mentor: Dr. Hayden Gerhart*

SESSION A2
9:00am - 10:15am
ROOM 6

Examining and Improving Diversity

- 69 Robert Matchett (Sociology) Disability Inclusion Workshops: Steps to Creating an Inclusive Community *Mentor: Dr. Diane Shinberg*
- 70 Wenxi Schwab (Professional Studies in Education) Understanding Women Doctoral Students' Learning Experiences When Transitioning into Motherhood *Mentor: Dr. Kelli Paquette*
- 71 Veta Talton (Professional Studies in Education) Reimagining Diverse Leadership: A Curriculum Revision Workshop *Mentor: Dr. Shirley Johnson*

SESSION A3
9:00am - 10:15am
ROOM 7

Myth and Horror in Media

- 72 Carl Sell (English) Deep Time and the Mythological Imagination: Tennyson's Idylls of the King and 19th Century Geology *Mentor: Dr. Michael Williamson*
- 73 Olivia Maderer (English) Mythical History and Deep Time: How Tolkien's "The Lord of the Rings" Fulfills Tennyson's "Idylls of the King" *Mentor: Dr. Michael Williamson*
- 74 Jordan Gorsuch (English) How Perspective Subverts Story Tropes, Themes, & Struggles: An Examination of Get Out and Lady Bird *Mentor: Dr. Michael Williamson*

SESSION A4
9:00am - 10:15am
ROOM 8

Contemporary Issues in Immigration

- 75 Diana Forry (English) Tyranny: The Holocaust and DACA *Mentor: Dr. Michael Williamson*
- 76 Lama Alharbi (English) Measuring Empathy: The Impact of Refugees' Poetic Testimonies on Readers' Perceptions of Syrian Refugees *Mentor: Dr. Gloria Park*
- 77 Yue Zhang (Sociology) Peer Social Capital and Assimilation Patterns of Second-Generation Immigrants *Mentor: Dr. Daniel Heckert*

SESSION A5
9:00am - 10:15am
ROOM 9
Substance Abuse and Disorders

- 78 Joshua Hayes (Counseling) Group Therapy for Veterans with PTSD *Mentor: Dr. Stacia Carone*
- 79 Crystal Billings (Sociology) An Analysis of Pro-Eating Disorder Websites *Mentor: Dr. Melissa Swauger*
- 80 Nathan Kruis and Chunghyeon Seo (Criminology and Criminal Justice) Application of Social Learning Theory to Substance Use: A Meta-Analysis *Mentor: Dr. Bit Na Kim*

SESSION B1
10:30am-1145am
ROOM 5
Problems in the Criminal Justice System

- 81 Chelsea Clark (Sociology) Exploring Helping Professionals' Perceptions of Male Victimization in Prison Settings *Mentor: Dr. Dana Witham*
- 82 Hyeonna Bak and Joshua Garcia (Criminology and Criminal Justice) Curriculum implications of prison rape myths among Criminology and Criminal Justice Major *Mentor: Dr. Bit Na Kim*
- 83 Kassandra Scioli (Psychology) Looking good: An examination of how the valence of news photographs affects jurors *Mentor: Dr. Jennifer Perillo*

SESSION B2
10:30am-1145am
ROOM 6
Ecological Concerns

- 84 Kathryn Coates (Biology) *Plethodon hoffmani*: Ecology and Genetic Analysis of Indiana County Populations *Mentor: Dr. Josiah Townsend*
- 85 Cassie Graham (Biology) Stages of macroinvertebrate recovery after abandoned coal mine remediation in a Pennsylvania watershed *Mentor: Dr. David Janetski*
- 86 Chelsea Buell, Morgan Eytcheson, Joseph Duch, and Jeffrey Larkin (Biology) Allegheny woodrat (*Neotoma magister*) food preference: A comparison of American chestnut hybrids and native oak nuts. *Mentor: Dr. Michael Tyree*
- 87 Benjamin Gressler (Biology) Developing a Movement Pathway Prediction Model for Fisher (*Pekania pennanti*) using Circuitscape *Mentor: Dr. Joseph Duchamp*

SESSION B3
10:30am-1145am
ROOM 7
Teaching Administration

- 88 Rachel Schiera (Professional Studies in Education) Phase One Results: Student and Teacher Perceptions of One-to-One Laptop Initiative Effects on 21st Century Skill Sets *Mentor: Dr. Sue Rieg*
- 89 Charles Horsley (Kinesiology, Health, and Sport Science) Social Media Branding Practices Utilized by Division II Universities in Pennsylvania *Mentor: Dr. Robert Alman*
- 90 Ashley Kaminski (Kinesiology, Health, and Sport Science) The Study of Participation Awards in Youth Sport *Mentor: Dr. Richard Hsiao*

SESSION B4
10:30am-1145am
ROOM 8
Institutional and Community Interactions

- 91 Daniel Dieter (Communications Media) Capabilities Knowledge and Public Perception of Robot AI *Mentor: Dr. Steven Kleinman*
- 92 Olivia Woerle (English) "The Luck of Roaring Camp": A Contextual Case Study of How Morality was Presented to 19th Century Newspaper Readers *Mentor: Dr. Todd Thompson*
- 93 Reema Sammour (Marketing) Handling Accounts Receivables: A Marketing Point of View *Mentor: Dr. Varinder Sharma*
- 94 Tewero Tchekepassi (English) Diversity in Composition Studies at the Age of the Distributed Agency *Mentor: Dr. Curtis Porter*

POSTERS/STATIC DISPLAYS

9:00am – 11:00pm

Arena Floor

- 1 Hany Zaky (Professional Studies in Education) Asynchronous Peer Assessment in College Composition Curriculum: An investigation of ESL students' perceptions of positive and negative factors. *Mentor: Dr. Kelli Jo Moran*
- 2 Mohammed AlMuhanna (Biology) The Disruption of the Phototransduction Process in the Planarian Schmidtea mediterranea and Its Effect on Phototaxis *Mentor: Dr. Robert Hinrichsen*
- 3 Jason Nepa and Miranda Harbridge (Food and Nutrition) The Relationship between Nutrition Knowledge, Reported Vitamin D Intake, and Sports Injuries in Collegiate Athletes *Mentor: Dr. Stephanie Taylor-Davis*
- 4 Omar Yacoub (English) Similarities in the Type of Food served in Two Religious and Cultural Holidays *Mentor: Dr. Lilia Savova*
- 5 Selye Lee (Criminology and Criminal Justice) Attitudes Toward the Police: The Impact of Law Enforcement Simulations ("Shoot, Don't Shoot") and Education On College Students *Mentor: Dr. John Lewis*
- 6 Shuzhen Zhang (English) Translating the Modality in English Flight Manuals into Chinese *Mentor: Dr. Lilia Savova*
- 7 Andrew Malhotra (Geography and Regional Planning) Sanborn Maps of Indiana: Reconstructing the Urban Geography of Indiana, PA *Mentor: Dr. John Benhart*
- 8 Zaakiyah Cua (Anthropology) Misery Bay Ice Survey Preliminary Results: a Case Study for Testing Geophysical Methods and Collaboration with Stakeholders *Mentor: Dr. William Chadwick*
- 9 Kristina Gaugler and Molly Sarver (Geography and Regional Planning) Spatial Database Development for Confluence Park Master Plan *Mentor: Dr. John Benhart*
- 10 Chelsie Carter (English) Comprehensive Sexual Education: An Exploration of Curriculum and Implementation *Mentor: Dr. Michael Williamson*
- 11 Summer Reitter (Educational and School Psychology) The PfCRI: A Window into the Parent-Child Relationship *Mentor: Dr. Lynanne Black*
- 12 Jaeyong Choi (Criminology and Criminal Justice) Procedural Justice, cynicism toward prison administration, and inmate misconduct: A test for mediation effects *Mentor: Dr. Brandon Dulisse*
- 13 Suzanne Craig and Emily Sterner (Biology) characterizing a role for the timeless circadian rhythm gene in planarian regeneration *Mentor: Dr. Robert Major*

- 14 Patricia Hockensmith (Nursing and Allied Health Professions) The Student Nurse Sense of Belongingness during Clinical Placement *Mentor: Dr. Teresa Shellenbarger*
- 15 Sofia Salinas (Communication Disorders, Special Education and Disability Services) Music Education and Students with Disabilities: How Music Impacts Student Achievement In and Out of the Classroom *Mentor: Dr. Mariha Shields*
- 16 Matthew Bjorkman and Esbeiry Cordova-Ortiz (Anthropology) Indiana County FEMA Data-based Flood Hazard Analysis *Mentor: Dr. John Benhart*
- 17 Jun Akiyoshi (English) Short Autobiographical Teacher Narratives: My Two Language Teacher Identities as an ESL Teacher and as a JFL Teacher *Mentor: Dr. Gloria Park*
- 18 Emily Schmeck and Nicole Geonnotti (Food and Nutrition) EVALUATION OF VEGETABLE INTAKE FOR 3-5 YEAR OLDS FROM LOW INCOME FAMILIES *Mentor: Dr. Stephanie Taylor-Davis*
- 19 Raneem Bayazeed (English) The comparison of Speech acts: The American and Saudi Arabic responses to compliments *Mentor: Dr. Lilia Savova*
- 20 Manaswita Choudhary (Management) A Canadian University Trump Bump? Changes in Google Search Activity in India for Canadian and U.S. Universities *Mentor: Dr. David Yerger*
- 21 Sujata Mukherjee (Biology) Identifying tbx20 as a Pattern Regulator During Planarian Regeneration *Mentor: Dr. Robert Major*
- 22 Jaeyong Choi (Criminology and Criminal Justice) Investigating the “code of the prison” on inmate misconduct among South Korean inmates *Mentor: Dr. Glen Ishoy*
- 23 Katelyn Denton (Sociology) OCD and Social Media *Mentor: Dr. Melissa Swauger*
- 24 Tejas Mahadevan Padmanabhan (Biology) Testing the R1 peptide on kidney development in zebrafish *Mentor: Dr. Cuong Diep*
- 25 Mesfer Alqahtani (Anthropology) Geospatial investigation of circular stone structures in Northern Saudi Arabia *Mentor: Dr. William Chadwick*
- 26 Adam Lee (English) A Cultural Comparison of Formally and Informally Trained Guitar Players in Live Music in the California Bay Area *Mentor: Dr. Lilia Savova*
- 27 Mariah Pampeno (Sociology) White Supremacist Parents *Mentor: Dr. Melissa Swauger*
- 28 Genevieve Everett (Anthropology) Taking It Way Back: A Statistical Analysis of Two Paleoindian Period Sites In New Hampshire *Mentor: Dr. Lara Homsey-Messer*

- 29 Yahya Rudayni (Adult and Community Education) The History of Arabic Coffee
Mentor: Dr. Lilia Savova
- 30 Andrea Kirby (English) Exploring traditional wedding customs in Japan and India
Mentor: Dr. Lilia Savova
- 31 Britney Elsbury-Orris (Anthropology) A Faunal Analysis of the Kirshner Site (36WM213)
Mentor: Dr. Lara Homsey-Messer
- 32 Havva Zorluel Ozer (English) Lullabies as the Oral Transmitters of Culture: A Content Analysis
Mentor: Dr. Lilia Savova
- 33 Abby Wallace and Catherine Burns (Communication Disorders, Special Education and Disability Services) Myth or Fact: TouchPoint (BLAST)
Mentor: Dr. Lisa Price
- 34 Alex MacCarelli (Sociology) Coping of LGBT Individuals: The Relationship between Religious Coping, Sexual Identity Acceptance and Social Activity
Mentor: Dr. Michelle Sandhoff
- 35 Shannon Dusack and Lauren Succheralli (Nursing and Allied Health Professions) A Clinical Instructor as a Servant Leader: A Case Study Approach
Mentor: Dr. Teresa Shellenbarger
- 36 Kiyomi Masamune (English) The comparison of educational culture, the USA and Japan
Mentor: Dr. Lilia Savova
- 37 Lauren Prasko (Biology) Relationships between Relative Abundance of Young of the Year Brook Trout and Interannual Climate Variation in Pennsylvania
Mentor: Dr. David Janetski
- 38 Roseanne Anderson (Nursing and Allied Health Professions) Increasing Nursing Student's Confidence Levels in Nursing Education
Mentor: Dr. Teresa Shellenbarger
- 39 Samantha Taylor (Anthropology) Looking Through Dirty Dishes: A Comparative Analysis of Ceramics at the John and Rosie Allen Residence, Pandenarium, Mercer County, Pennsylvania.
Mentor: Dr. Benjamin Ford
- 40 Diana Forry (English) Traditional Healing Practices in Native American and British Cultures
Mentor: Dr. Lilia Savova
- 41 Carissa Smith (Kinesiology, Health, and Sport Science) Motivations for Underreporting Concussions at the Division II Collegiate Level
Mentor: Dr. Richard Hsiao
- 42 Alyssa Mrozek and Emily Matthews (Food and Nutrition) Evolution Of The Dietetic Scope Of Practice: Perceptions Of Acute Care Clinical Dietitians
Mentor: Dr. Stephanie Taylor-Davis

- 43 Matthew Bjorkman (Anthropology) Using LiDAR to Analyze Landscape Evolution: A Case Study of the Squirrel Hill Site (36WM0035) *Mentor: Dr. Lara Homsey-Messer*
- 44 Peter Malich and John Risinger (Geography and Regional Planning) Geovizualization of Indiana University of Pennsylvania Campus with Esri CityEngine *Mentor: Dr. John Benhart*
- 45 Dana Elmquist (Educational and School Psychology) #Beyond13Reasons: Talking with Adolescents about Social Media and Mental Health *Mentor: Dr. Courtney McLaughlin*
- 46 Ahana Byne (Biology) Double stranded RNA (dsRNA) Characterization and Protein Profiling of Viral Infected and Non-infected Rhizoctonia solani isolates *Mentor: Dr. Bharathan Narayanaswamy*
- 47 Nicholle Williams (Sociology) Teachers' and Counselors Perceptions of Parental Substance Abuse and the Affects on Children *Mentor: Dr. Melissa Swauger*
- 48 Victoria Hauth and Christopher Metzger (Psychology) Adverse Childhood Experiences and Negative Emotionality in Adult Sex Offenders: Bridging the Gap from Childhood to Adulthood *Mentor: Dr. Anthony Perillo*
- 49 Emily Welch and Colin Kytchak (Biology) An assessment of the blacklegged tick (*Ixodes scapularis*) population and habitat in the Indiana University of Pennsylvania South Woods area *Mentor: Dr. Thomas Simmons*
- 50 Fatimah Alhassan and Hanan Al-Shammari (Nursing and Allied Health Professions) The Effect of Using Safe Designed Needles on Needle Stick Injury *Mentor: Dr. Nashat Zuraikat*
- 51 Heather Maclsaac (Anthropology) Determining Village Growth and Occupation at the Squirrel Hill Site (36WM35) *Mentor: Dr. Lara Homsey-Messer*
- 52 Rachel Appleman and Jessica Glover (Food and Nutrition) The Relationship between Familial Medical History and Food Choice among College Students *Mentor: Dr. Stephanie Taylor-Davis*
- 53 Megan Disher and Maggie McChesney (Communication Disorders, Special Education and Disability Services) Are Fidget Spinners the Miracle You've Been Looking For? *Mentor: Dr. Lisa Price*
- 54 Jawad Golzar (English) Teacher Candidates' Cultural Identity Manifestations in MA TESOL Program *Mentor: Dr. Lilia Savova*
- 55 Maisa Khoj (Biology) Analysis of Cloned Viral Double-Stranded (ds) RNA from Selected Isolates of Rhizoctonia solani belonging to Anastomosis Group (AG)-4 *Mentor: Dr. Bharathan Narayanaswamy*

- 56 Chelsie Carter (English) LGBT-Inclusive Pedagogies *Mentor: Dr. Michael Williamson*
- 57 Kirsten Piatak (Criminology and Criminal Justice) Friend or Foe: Sorority Affiliation and Sexual Victimization *Mentor: Dr. Sadie Mummert*
- 58 Sean Helman (English) Future Thinking: Examining Sexuality & Young Adult Dystopia *Mentor: Dr. Emily Wender*
- 59 Daniel Dudek (Biology) Resolving the Taxonomy of Pacific Coast Leopard Frogs *Mentor: Dr. Josiah Townsend*
- 60 William Patrick and Adam Miller (Food and Nutrition) Long-Term Health Care Professionals' Perceptions of Best Practices and Barriers to Caring for Residents with Alzheimer's Disease *Mentor: Dr. Stephanie Taylor-Davis*
- 61 Gina Munir (Biology) Siamang Gibbons (*Symphalangus syndactylus*) Are Cognitively Capable *Mentor: Dr. Paul Nealen*
- 62 Megan Koehle and Caitlin Rogers (Food and Nutrition) Examining Underdiagnosis of Malnutrition in Acute-Care: A Survey of Dietitians *Mentor: Dr. Stephanie Taylor-Davis*
- 63 Faisal Alshibl (English) Social Identity Roles in Drawing Saudi and American Wedding Image *Mentor: Dr. Lilia Savova*
- 64 Brianna Colbert (Kinesiology, Health, and Sport Science) Coaches Effect on Adolescent Athlete's Motivation *Mentor: Dr. Richard Hsiao*
- 65 Roaa ALnajjar (Biology) Characterization of Double-stranded (ds) RNA from the plant pathogenic fungus *Rhizoctonia solani*. *Mentor: Dr. Bharathan Narayanaswamy*