



Sharing the Vision: A Community of Research

29th
ANNUAL

Graduate
Research
Symposium

KENT STATE
UNIVERSITY

Friday, April 11, 2014
Kent State University
Student Center
9:00am-2:00pm



Sponsored by
Graduate Student Senate

Awards Luncheon

12:30-2pm, Ballroom

Luncheon Speaker: Dr. Melody Tankersley

Melody is the Associate Provost for Academic Affairs and a Professor in the College of Education, Health, and Human Services. Her academic expertise is in the development and treatment of emotional and behavioral disorders of children and youth. Her research focus is on identifying and implementing evidence-based practices in schools and homes to prevent and respond to children's behavioral disorders. Melody has secured around \$2 million of funding and published over 70 books, chapters, and articles on her areas of focus. Her work has been recognized internationally—most recently she was awarded the James M. Kauffman Publication Award for a scholarly work that results in knowledge leading to exemplary practice.

Melody earned her doctoral degree from the University of Virginia and was appointed a post-doctoral fellowship at the University of Kansas's applied research center, Juniper Gardens Children's Project. Since then, she has been a faculty member and served as the program coordinator for approximately 12 years and as the interim department chair for one year. Melody currently serves on the Executive Board of the Council for Exceptional Children's Division for Research and is on the editorial review committees of four top-tier journals.



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Oral Presentations: Session 1

Health & Wellness I, Room 304

9:00am: Members' Experiences and Perceptions of an Integrated Health and Wellness Center

Kristin Grimm, Matthew Nichols, and Diana Kingsbury
Public Health

9:15am: Association of Husband/Partner's Influence in Health Care Decision Making with Woman's Intent-to-Use Contraception in Mozambique: Results from a 2011 Nationally Representative Sample

Ramos Mboane
Public Health

9:30am: An Analysis of a Prevention Intervention for Adolescents with Sub-threshold Depression & Related Public Health Administrative Issues

Susanne Mitchell
Public Health

9:45am: Correcting Implied and Directly Stated Misinformation in Narratives

Patrick Rich
Psychology

10:00am: Evidence-Based Treatment of Posttraumatic Stress Disorder and Co-occurring Substance Abuse

Heike Seel
Counseling & Human Development Services

10:15am: Executive Function and Flexible Self-Regulation in Young Adults' Physical Activity

Scout McCully
Department of Psychology

Communication & Technology, Ballroom Balcony

9:00am: Setting the Stage: Black Operations as a Communication Tactic

Brian Massie
Communication Studies

9:15am: Vehicle to Vehicle Communication

Arjun Aileeni and Suman Jindam
Computer Science

9:30am: Check Processing System using Semantic Web Technology

Chanpreet Rikhi
Computer Science

9:45am: Using Digital and Historical Gazetteers to Geocode French Airborne Operations During the French Indochina War

Gordon Cromley
Department of Geography

10:00am: Salt Tectonics in the Upper Silurian Salina Group, Appalachian Basin, NE Pennsylvania: Results From 3-D Seismic Analysis and Analogue Modelling

Matthew Harding
Geology

10:15am: The United States Air Force Security Service: A Signals Intelligence Pioneer

Philip Shackelford
Department of History

Modern & Classical Languages I, Room 309

9:00am: Censored Subtitles in the Arab World: A Case Study of Swearwords in Audiovisual Translation

Loubna Bilali
Modern & Classical Language Studies

9:15am: Cultural and the ESL Classroom: Research, Reflections, and Realities for Teachers

Natasha Chenoweth
Curriculum and Instruction

9:30am: Computer-Assisted Translation: An Empirical Investigation of Cognitive Effort

Christopher Mellinger
Modern & Classical Language Studies

9:45am: Teaching Translation and Editing Skills in Audiovisual Translation: Modality Transfer

Olga Shostachuk
Modern & Classical Language Studies

Chemistry & Biochemistry, Room 310A

9:00am: Laterally Branched Nematic Materials

Randall Breckon
Chemistry and Biochemistry

9:15am: Pulse Radiolysis Studies on the Reactions of the Carbonate Radical with Vitamin B12 Complexes: Evidence for Destruction of the Corrin Ring by the Carbonate Radical

Rohan Dassanayake
Chemistry and Biochemistry

9:30am: G-Quadruplex Mediated Regulation of Human Tyrosine Hydroxylase Expression in Glioma Cells

Mohamed Farhath
Chemistry and Biochemistry

9:45am: Multi-stimuli Responsive DCDHF-Hydrazone Reversible Molecular Switches

Tawfik Khattab
Chemistry and Biochemistry

10:00am: A Library Screening Approach Identifies Naturally Occurring RNA Sequences for a G-Quadruplex Binding Ligand

Gayana Mirihana Archchilage
Chemistry and Biochemistry

Biological & Biomedical Sciences, Room 310B

9:00am: The Importance of 14-3-3 (YWHA) Proteins in Mammalian Reproduction and Fertility

Santanu De and Dr. Douglas Kline
Biological Sciences

9:15am: Inhibitory Cells in Inferior Colliculus Surrounded by VGLUT2+ Terminals are Also Surrounded by Perineuronal Nets

Nichole Foster
Biological Sciences

9:30am: Reflex Modification Audiometry as a Tool to Assess Hearing in CBA/CAJ Mice

Ryan Longenecker
Biological Sciences

9:45am: The Role of Osteoactivin in Osteoblast and Osteoclast Differentiation

Hilary Stinnett
Biological Sciences

10:00am: Glioma Stem Cells Promote Endothelial Cell Migration via a Novel Mechanism of their Cell-Cell Direct Interaction

Monica Burgett
Biomedical Sciences

Marketing, Room 313

9:00am: The Evolution and Dynamic Persistence of Impulse Purchasing

Jamie Grigsby
Marketing

9:15am: Understanding Indecisiveness in Consumer Behavior: Preliminary Findings from Interviews with Self-Identified Indecisive Consumers

Hillary Mellem
Marketing

9:30am: Follow Their Nose: Scented Product Development Using Consumer Preferences and Web Data

Hua Meng
Marketing

9:45am: Dual-Objective Incentives and Marketing Employee Performance: Evidence from Laboratory and Call Center Field Experiments

Chanho Song
Marketing

Curriculum & Instruction, Room 314

9:00am: A Study on How International Students Perceive their Language Learning Experience in Kent State University

Murat Dagistan
Curriculum & Instruction

9:15am: Conversation Partnerships: An Educational Tool for Cross-Cultural Understanding

Murat Dagistan
Curriculum & Instruction

9:30am: Using Reading Logs to Stimulate Students from Multicultural Backgrounds to Read and Write

Yang Gao
Curriculum & Instruction

9:45am: An Examination of Text Authenticity: Adopted Materials, the Perceptions of Student Language Learners, and the Insights of ESL/EFL Instructors

Amal Laba
Curriculum & Instruction

10:00am: An Investigation in the Collateral Effect of School Theatre Programs on Struggling Readers

James Nageldinger
Curriculum & Instruction

Education I, Room 315

9:00am: Investigating the Impact of Field Trips on Teachers' Mathematical Problem Posing

Rashmi Singh
Curriculum & Instruction

9:15am: Assessment Planning for Academic Departments: Considering Learning Inside and Outside of the Classroom

Thomas Benjamin
Higher Education Administration & Student Personnel

9:30am: It is Okay to be Wrong: Reflections from Qualitative Research Across Institutions

Liana Carroll
Higher Education Administration & Student Personnel

9:45am: Taking Action to Reduce Threats to International Students

Steven Walters
Higher Education Administration & Student Personnel

10:00am: The Citizen-Artist: Service-Learning in the Theater Arts Curriculum

Tracee Patterson
Theatre and Dance

10:15am: Diversity and Discrimination Training

Steven Walters
Higher Education Administration & Student Personnel

The Experience of Social Isolation, Room 316

9:00am: Physician-Patient Communication Regarding Out-of-Pocket Health Care Costs: A Systematic Review of the Literature

Andrea Meluch and Dr. William Oglesby
Communication & Information

9:15am: Perceived Racism as a Predictor of Psychological Well-Being among Southeast Asian American College Students

Maiko Xiong
Counseling & Human Development Services

9:30am: Black LGBTQ Academic Identity Formation on Predominantly White Campuses

Jillian Watts
Cultural Foundations

9:45am: Affect Control Theory: At-Risk Youth Perception of Prototypical Leadership

Tré Myers
Sociology

10:00am: Older Male Inmates and the Factors that Influence Preferences for Advance Care Directives: Preliminary Findings

Meghan Novisky
Sociology

History & Political Science, Room 317

9:00am: Middle Ground, Borderlands, and American Empire: Re-evaluating American History

Michele Curran Cornell and Emily Hagar Kasecamp
History

9:15am: The FBI, COINTELPRO, and Black Nationalism

Dwight Meyer
History

9:30am: Nationalist Rhetoric and the 1907 Irish International Exhibition

Jeffrey O'Leary
History

9:45am: Replying to the Devil in Tito's Yugoslavia: Black Wave Protest Films Seeking Social Justice

Sarah Zabic

History

10:00am: Relationship among Participants in Regional Organizations in the Post Soviet Space

Yeo Jung Yoon

Department of Political Science

Liquid Crystals & Physics, Room 318

9:00am: Nanosecond Switching of Nematic Liquid Crystals

Volodymyr Borshch, Sergij Shiyanovskii, and Oleg Lavrentovich

Liquid Crystal Institute

9:15am: Living Liquid Crystals

Shuang Zhou

Liquid Crystal Institute

9:30am: BLM-Mediated Telomeric G-Quadruplex Unfolding in the Absence of ATP

Jagat Budhathoki

Physics

9:45am: G-Quadruplex Formation in Telomeres Enhances POT1/TPP1 Protection Against RPA Binding

Sujay Ray

Physics

10:00am: Highly Unusual Many Body States in Correlated Heavy Fermion System $Ce_{1-x}Y_xCoIn_5$

Yogesh Singh

Physics

10:15am: 2D Fermi Liquids Near Pomeranchuk Instabilities

Kelly Reidy

Physics

Poster Presentations

Undergraduate

1.) Addressing Fluorescent Alkoxy-Functionalized Perfluoroaryls via SNAr Reaction: Self-Assembled Liquid Crystals and Low Molecular Weight Organogels

Dylan Grenier and Tawfik A. Khattab
Chemistry and Biochemistry

2.) The Roles of Maintenance Self-Efficacy and Motivational Barriers in Daily Physical Activity

Hannah Kelling
Psychology

3.) Cognitive Dysfunction is Associated with Increased Physical Limitations but Not Greater Symptom Burden in Heart Failure Patients

Carly Logan and Carly Goldstein
Psychology

4.) The Impact of Social Defeat on the Ability to Discriminate between Auditory Cues

Jessica Mulvany
Psychology

5.) Influence of the Anterior Cingulate Cortex on Memory Precision in GABAB(1a) Knockout Mice

Samantha Ortiz
Psychology

6.) The Effects of Estradiol and Testosterone on Fear Generalization in Rats

Tyler Vanderhoof
Psychology

7.) The Influence of the Deletion of GABA_B Receptors in Corticotrophin Releasing Factor (CRF)-Containing Neurons on Fear and Anxiety

Natalia Webster
Psychology

8.) Inhibition of GABA_B1a Interferes with the Maintenance of a Precise Context Memory

Patrick Winiecki
Psychology, Behavioral Neuroscience

Master's

9.) Characterization of the Effect of Zinc Nanoparticles on Tumor Angiogenesis

Haiwa Wu
Biological Sciences

10.) Effects of Competitors or Cheaters and Temperature on Physiological Performance and Gene Transcription of Model Fungi

Devinda Hiripitiyage
Biological Sciences

11.) The Ontogeny of the Mouse Oxytocin System and Potential Organizational Effects of Oxytocin on Intermale Aggression

Steven Tamborski
Biological Sciences

12.) WT1 Regulation of VEGF is Cell Specific

Shorog Al Omair
Biomedical Sciences

13.) Development of Hyporheic Exchange, Biogeochemistry, and Microbial Assemblages Following Stream Restoration

Stuart Baker
Geology

14.) Undrowning a Creek: Groundwater-Stream Interactions and Water Quality Characteristics of Former Reservoirs in Northeastern Ohio

Krista Brown
Geology

15.) Taphonomy of the Blue Springs Locality, Coon Creek Formation (Late Cretaceous), Mississippi: Preservation of a Decapod Lagerstätte

Krystyna Kornecki
Geology

16.) An Investigation of the Effects of Andean Volcanism on Marine Invertebrate Communities of Northern Patagonia During the Late-Middle Miocene

Evin Maguire
Geology

17.) Identification of Local Ground Water Pollution in Northeastern Pennsylvania: Marcellus Flow-back or Not?

Darren Reilly
Geology

18.) Microwear Analysis of Crab Claws: A Functional Morphological Approach

Eric Sload
Geology

19.) Decapod Crustaceans of the Seroe Domi Formation of Curaçao

Ashleigh Stepp
Geology

20.) Acute Estradiol Injections have a Genomic Effect on Fear Generalization

Joseph Lynch III
Psychology

21.) Influence of Anxiety on Neurocognitive Outcomes in Children

Elle Brennan
Psychology

22.) Liberal Feminist Attitudes and Parental Education as Moderators of the Motherhood Penalty

Alynn Gordon
Psychology

23.) Effects of Early Social stress on the Ontogeny of Maladaptive Behavior

Maeson Latsko
Psychology

24.) Exploring the Relationship between Executive Functioning and Social Emotional Development during the Preschool Years

Ashley Johnson
School Psychology

25.) Using Play-Based Interventions in Early Intervention to Promote Functional Language

Heather Brownfield
Special Education

26.) Increasing Toddler Communication with Parent-Focused Intervention

Stacey Jenkins
Special Education

27.) Engagement Strategies for Toddlers in Natural Environments

Alleiah Keeley
Special Education

28.) Cents-able Sensory Input Interventions that are Sensible for the Family

Rachelle Lay Hughes
Special Education

29.) Prelinguistic Milieu Teaching as an Intervention for Fostering Communication in Children with Autism

Kathy Supple
Special Education

30.) Exploring Educational Opportunities for Students with Disabilities in Southern Africa

Steven McIntosh
Special Education

31.) Translating Fun: Inside Game Localization Agencies and Game Translation

Liv Sommerlot
Translation Studies

32.) Culture and Translatability: A Case Study on the English Subtitles of Spanish Web Series

Meredith Cannella
Translation Studies

33.) A Content Analysis of Abortion Advertisements in China

Qinyu E
Communication Studies

34.) Private Labels and Personal Care: A Focus on Store Brand Package Design and Consumer Attitudes

Larrie King
Visual Communication Design

35.) Active Latin in the Classroom

Michael Sweet
Modern and Classical Language Studies

36.) Will the Medicaid System be Overwhelmed with High Financial Costs from a Higher than Anticipated Enrollment if Employers Choose Self-Insured Health Plans?

Eric Hutzell
Public Health

37.) The Swiss Health Care System: Consumer-Driven Care

Donna Miller
Public Administration

38.) Flow + Regrow

Lauren Konopka, Jon Nagy, and Megan Haftl
Architecture

39.) Envisioning Brownfield Hydrology for Tomorrow: Collinwood Neighborhood Study

Chis Dohar and Dr. Reid Coffman
Architecture

40.) Car Parks as Ecological Hubs

Claire Markwardt
Architecture

41.) Understanding the Effects of Permanent Urban Space on the Usefulness of Cities

Jonathan Nagy
Architecture

42.) Reconcentrating Cleveland: A Response to Urban Sprawl and Population Stagnation

Max Wagner
Architecture

43.) Archaeological Investigation of Space and Ceramic Use in Classic and Terminal Classic Maya Households: Understanding the Effects of Collapse

Lucas Wright
Anthropology

44.) The Sculpture, Drawings, and Etchings of Áfangar by Richard Serra

Sandi Thouvenin
Art History

45.) Chicago Travel

Shawn Kerns
Painting

Doctoral

46.) Examining Patterns of Mitochondrial Genome Diversity within a Gynodioecious Species *Lobelia Siphilitica*

Binaya Adhikari, Christina Caruso, and Andrea L. Case
Biological Sciences

47.) Rats Deficient in Melanocortin 4 Receptor Lose Less Weight during Calorie Restriction

Tariq Almundarij
Biological Sciences

48.) A New Method for the In Vitro Reconstitution of Bacterial Cytokinesis

James Redfearn
Biological Sciences

49.) Relating Microbial Physiological Performance to Genome Content

Nivedita Clark
Biological Sciences

50.) Identification of a Novel Protein Phosphatase (PP1) Regulatory Protein, PPP1R36, in Testis and Sperm

Suranjana Goswami
Biological Sciences

51.) Effects of Short-Term O₂ Exposure on Biogenic N₂O Emissions

Jonathon Gray and Dr. Laura Leff
Biological Sciences

52.) The Complex of NGAL and MMP-9 as a Potential Biomarker for Stroke Xiqian Han, Wen-Hai Chou

Xiqian Han
Biological Sciences

53.) Local Translation of Down Syndrome Cell Adhesion Molecule in Axon Growth and Guidance

Shruti Jain
Biological Sciences

54.) Structural Characterization of ATP Analog-Sensitive Protein Kinase C Delta

Varun Kumar and Wen-Hai Chou
Biological Sciences

55.) Regulation of Cyclin A1 Promoter by the Wilms Tumor Gene, WT1

Sony Pandey
Biological Sciences

56.) Differential Binding Effects of Phosphatidic Acid Binding Proteins to Phosphatidic Acid in Complex Lipid Mixtures

Priya Putta
Biological Sciences

57.) Purification of a Lipid Droplet Associated Protein, Tip 47/Perilipin-3 and its N-Terminal Truncation Mutants for Biophysical Characterization

Sewwandi Rathnayake
Biological Sciences

58.) The Effect of Chronic Minocycline Treatment on Stress Sensitization in an Animal Model of Recurrent Depression

Jennifer Remus and Destiny Jamison
Biological Sciences

59.) Urbanization Effects on Community Composition of Stream Sediment Bacteria

Alescia Roberto
Biological Sciences

60.) Maternal Behavior and Postpartum Mood in Vasopressin 1b Knockout Mice

Shannah Witchey
Biological Sciences

61.) RACK1 Regulates the Local Translation of β -actin mRNA at Point Contacts

Leah Kershner
Biological Sciences

62.) Connexin 43 and E-cadherin Modulate Prostate Cancer Cell Migration

Abdulaziz Aloliqi
Biomedical Sciences

63.) Lipocalin 2 is a Detrimental Factor Induced After Stroke-Reperfusion Injury

Guona Wang
Biomedical Sciences

64.) Regulation of Murine MAPT Pathology by Soluble Versus Membrane Bound Fractalkine

Shane Bemiller
Biomedical Sciences

65.) Neuronal Luteinizing Hormone Activation Affects Synaptic Plasticity

Jeff Blair

Biomedical Sciences

66.) Intrinsic and Synaptic Properties of Dorsal Nucleus of the Lateral Lemniscus Neurons: Implications for Avian Interaural Level Difference Circuitry

Rebecca Curry

Biomedical Sciences

67.) PP1 γ 2, the Testis Specific Protein Phosphatase 1 Isoform can be Substituted by the Ubiquitously Expressed PP1 γ 1 in Spermatogenesis.

Tejasvi Dudiki

Biomedical Sciences

68.) The Impact of Fibroblast Phenotype on Myoblast Behavior in a Three-Dimensional Tissue Engineered Model of Skeletal Muscle Fibrosis

Jess Krieger

Biomedical Sciences

69.) Activation of Bile Acid Receptor (FXR) Attenuates Osteoclast Differentiation, Survival and Function

Fouad Moussa

Biomedical Sciences

70.) Mechanism of Bevacizumab Internalization and Fate by Glioma Stem Cells

Gaelle Muller-Greven

Biomedical Sciences

71.) Discovery of Conformation-Independent B Cell Epitopes on HER3 Breast Cancer Vaccine Target

Prachi Namjoshi

Biomedical Sciences

72.) Molecular Evolution of HIV-1 Epitopes

REEBA PAUL Reeba Paul

Biomedical Sciences

73.) Altered Glutamate Receptor Expression and Partial Rescue of PCP-Disrupted PPI in Oxytocin Knockout Mice

Megan Rich

Biomedical Sciences

74.) The Effects of Recombinant Osteoactivin on Signaling Pathways in Osteoblasts

Greg Sondag
Biomedical Sciences

75.) Modeling Shape Evolution of Nematic Actuators with Complex Blueprinted Director Field

Vianney Gimenez -Pinto
Chemical Physics

76.) Surface Anchoring of Vertical Alignment Liquid Crystal Displays Enhanced by Surface Polymer Stabilization

Libo Weng
Chemical Physics

77.) Probing Liquid Crystal Elastomer Structure with Polarized Light Scattering

Mykhailo Pevnyi
Chemical Physics

78.) Highly Porous Carbon Spheres with Incorporated Nitrogen and Metal Nanoparticles for Supercapacitors

Nilantha Wickramaratne
Chemistry

79.) Mesopores Alumina-Magnesia based Composites for CO₂ Sequestration

Chamila Gunathilake
Chemistry

80.) Studying the Surface Activity and Lipid Binding Properties of Perilipin 3/TIP 47

Mona Sadat Mirheydari and Sewwandi S. Rathnayake
Physics

81.) Exploring the Allosteric Cooperativity of Ligand Binding to the Domains of Calmodulin through Coarse-Grained Simulations

Prithviraj Nandigrami
Physics

82.) Photogeneration and Charge Transport in a Liquid Crystalline Organic Semiconductor

Sanjoy Paul, Jarrod Williams, Robert Twieg, and Brett Ellman
Physics

83.) Liquid-Crystal-Based Biosensor Without Alignment Substrate

Piotr Popov
Physics

84.) Cluster Vertex Finder with the Heavy Flavor Tracker for STAR Experiment

Amilkar Quintero

Physics

85.) Influence of Desolvation Barriers in Coupled Folding and BINDING Kinetics of PKID-KIX

Talant Ruzmetov

Physics

86.) Liquid Crystals Devoid of Alkyl Tails for Potential Midwave Infrared Applications

Suvagata Tripathi

Chemistry and Biochemistry

87.) Divalent Metal Cations Destabilize a Hyper Stable RNA G-Quadruplex Structure

Sumirtha Balaratnam

Chemistry and Biochemistry

88.) CD44+ Tumor Targeting Pentium Complex for More Efficient Drug Delivery

Nathan Beals

Chemistry and Biochemistry

89.) Interaction of Phosphatidylinositol-4,5-Bisphosphate with Potential Clustering Agents Ca²⁺, Mg²⁺, and Cholesterol

Zachary Graber

Chemistry and Biochemistry

90.) Study of Oxidative Damage of Nucleic Acids in Multiple Sclerosis

Prakash Kharel

Chemistry and Biochemistry

91.) Nascent RNA Transcripts Facilitate the Formation of G-Quadruplexes

Prakash Shrestha

Chemistry and Biochemistry

92.) Modeling and Simulation Analysis of Delay Tolerant Networks

Rahul Sehgal

Computer Science

93.) A Historical Perspective on the 2014 January Polar Vortex

Michael Allen and Tom Ballinger

Geography

94.) Cardiovascular-Related Mortality and Links to Multivariate Surface Weather Types

Cameron Lee
Geography

95.) Potential Tornado Vulnerability Variance Over a 24-hour Cycle for an Urban Metropolitan Region

Marius Paulikas
Geography

96.) Mountains and Climate: What if the Himalayas Didn't Exist?

Chenjian Fu
Geology

97.) Evaluation of Collaborative Testing in Nursing Education Research

Amal Al-Alawi
Nursing

98.) Intensification of Care in the Diabetic Patient by the Nurse Practitioner: Using the Chronic Care Model

Phillip Moser
Nursing

99.) A Retrospective Analysis of Peak Plantar Shear and Diabetic Ulceration Sites

Samuel Gray, Ashley Jensen, Kevin Garfield, Sarah Richards, and Nilin Rao
Podiatric Medicine

100.) What is the Optimal Orientation of Two-Screw Fixation for Oblique Closing Base Wedge Osteotomy in the First Metatarsal When the Medial Cortical Hinge is Lost?

Amanda Lutter, Nathan Shane, Katherine Kirtley, and Kevin Wang
Podiatric Medicine

101.) Measuring the Cultural Awareness Among Graduate Nursing Students in a Training Program in Ohio

Obianuju Aguolu
Public Health

102.) Results from a Process Evaluation of the Task Force to Improve Public Health in Portage County

Carissa Bowlin and Aimee Budnik
Public Health

103.) Perception of Racial Discrimination Among US Adults Seeking Health Care: Association with Health-Related Quality of Life

Neda Kasim, Subir Goyal, and Vinay Cheruvu
Public Health

104.) Development of a Novel Assay to Measure Flight Capacity of Anopheles Gambiae s.l.

Amy Krystosik
Public Health

105.) Using Geospatial Video to Understand Social and Environmental Risk Factors for Diarrheal Diseases in Children Under Five Living in Mathare Informal Settlements of Nairobi, Kenya

Lorriane Odhiambo
Public Health

106.) The Determinants of Influenza Vaccine Uptake and Perceived Barriers Among Public University Employees: A Mixed Methods Approach

Diana Kingsbury
Public Health

107.) The Influence of Lateral Foot Displacement on Cycling Efficiency and Maximal Cycling Power

Sara Harper
Exercise Physiology

108.) Single Trial Effects of Dynamic Cycling: How Long Does it Last?

Robert Phillips, Kathleen Linke, Bradley Minkowski, and Angela Ridgel
Exercise Physiology

109.) Cognitive Function During Lower Body Water Immersion and Post-Immersion Afterdrop

Yongsuk Seo
Exercise Physiology

110.) Theory of Mind: Intervention Strategies for Children with Autism Spectrum Disorders

Andrea Vantaggi
Speech Language Pathology

111.) An Examination of Body Tracing Among Women with High Body Dissatisfaction

Gail Williams
Psychology

112.) Application of a Cumulative Risk Index Approach to Understanding the Association between Stress and Obesity Risk Among Adolescents

Amy Fahrenkamp
Psychology

113.) FlashPlate: A Pilot Study of a Novel Portion Control Plate

Carly Goldstein, Misty Hawkins, Carly Logan, and Joel Hughes
Psychology

114.) Brief Massed Training Causes Persistent Retardation of Rat Serial Pattern Learning

Samantha Renaud
Psychology

115.) A Multi-Level Modeling Approach Examining PTSD Symptom Reduction during Prolonged Exposure Therapy: Moderating Effects of Complex Trauma History Among HIV Positive Adults

Brian Smith and Jennifer Coleman
Psychology

116.) The NMDA Receptor Antagonist MK-801 Renders Pavlovian Fear Conditioning State-Dependent

Adam Ulmen
Psychology

117.) Delay Effects of Terror Management Threats on Death-Thought Accessibility: A Meta-analysis

Chris Steinman
Psychology

118.) Emotional Flexibility Across Affective Stimuli: A Comparison of Anxious and Healthy Individuals

Lindsey Matt, Kathrine Shepherd, and Karin G. Coifman
Psychology

119.) Support for the Running rEVOLUTION's Mission

Robin Eastman
Counseling & Human Development Services

120.) Composition and DIY: Considering Digital Communities and "Making" as an Act of Resistance

Barbara George
English

121.) Conduct Books and Gender Performance in American Literature, 1865-1914

Colleen Thorndike
English

122.) Theory of Mind: Intervention Strategies for Children with Autism Spectrum Disorders

Andrea Vantaggi
Speech Language Pathology

123.) A Survey Study of the Perceptions of Middle School Personnel with Respect to Learning Disabled Students as Victims of Bullying/Harrassment and the Corresponding Relationships with Bullying Prevention and Discipline

Matthew Bradic
Foundations, Leadership, and Administration

124.) Intimate Partner Violence in Southeastern Appalachian Ohio: A Literature Analysis and Pilot Study

Amanda Burke
Health Education and Promotion

125.) Getting in the Game: A Quantitative Study of Second-Year Student-Athletes' Experiences Utilizing Existing Data of the 2010 Sophomore Experience National Survey

Talea Drummer
Higher Education Administration & Student Personnel

126.) Impact of Leadership Development Involvement on Students' Sense of Spirituality/Meaning-Making

Brenda McKenzie
Higher Education Administration & Student Personnel

127.) Adding Innovation Characteristics and Environmental Factors to the Technology Acceptance Model to Determine Factors that Influence eLearning Usage

Donna VanRooy
Instructional Technology

128.) Computer-Directed Instruction (CDI): "From Cognitive Tutors (CT) to Cognitive Teachers"

Jeffrey Chandler
Lifespan Development and Educational Sciences

Oral Presentations: Session 2

Health & Wellness II, Room 304

11:00am: Perception of Thailand Youth Towards Intention of Voluntary HIV Counseling and Testing:

An Integrative Review

Pimpanitta Jittapirom

Nursing

11:15am: A Framework for Measuring Key Performance Indicators of the Office of Government & Community Relations at Cleveland Clinic

Carissa Bowlin

Public Health

11:30am: Local Public Health Policy Initiative for Fast Food Restaurants and Obesity

Jennifer Bryant

Public Health

11:45am: Community-Based Application of Crime Prevention Through Environmental Design

Principles: Youngstown, Ohio

Jennifer Burrell

Geography

12:00pm: Childhood Lead Poisoning: Identification of Opportunities for Primary Prevention from an Environmental Justice Perspective

Laura Schuch

Geography

Art, Music & Theatre, Ballroom Balcony

11:00am: Out of 100

Veronica Ceci

Art

11:15am: Iconography of Saint Peter: Finding Meaning in the Brancacci Chapel

Andrea Maxwell

Art

11:30am: Power Point

Jessica Todd
Art

11:45am: Human Interaction with Frequency and Wavelengths: A Look at the Whirling Dervish in the Culture of the Sufi Tradition

Mary L. Tuck
Music

12:00pm: Non-Traditional Casting: Diversifying or Destroying

Colleen Longshaw
Theatre and Dance

Modern & Classical Languages II, Room 309

11:00am: Beyond Bricolage: Archaeological Evidence for the Relationship between Mystery Traditions in Ancient Greece

Shellie Smith
Liberal Studies

11:15am: Epigraphic Evidence of Violence

Amanda Kelley
Modern & Classical Language Studies

11:30am: Roman Love Letters: Spousal Love as Depicted in Ancient Roman Letters

Heather Moser and Amanda Kelley
Modern & Classical Language Studies

11:45am: The Effects of Word Frequency and Neighborhood Density on Decoding in Listening

Kelli Ryan, Randi Cline, Katie McClaren, Mishel Sanchez and Dr. Phillip Hamrick
Modern & Classical Language Studies

12:00pm: Linguistic Implications that Aid or Undermine National Unification: France and the Former Yugoslavia

Anton Vogel
Modern & Classical Language Studies

Chemistry, Biochemistry & Exercise Physiology, Room 310A

11:00am: Studies on the Reactions of Reduced Vitamin B12 Complexes with Nitroxyl (HNO): HNO Oxidizes the Transition Metal Center of Cob(I)alamin

Harishchandra Subedi
Chemistry and Biochemistry

11:15am: Controlling the Shape and Properties of Iron Oxide Nanoparticles

Matthew Worden
Chemistry and Biochemistry

11:30am: Use of Passive Movement to Illicit a Transient Hyperemic Response in the Lower and Upper Limbs

Keith Burns
Exercise Physiology

11:45am: The Effect of Peer Influence on Exercise Behavior and Liking in Recreational Runners

Andrew Carnes
Exercise Physiology

12:00pm: Changes in POMS and Body Fat Percentage During a 12-Week University Based Exercise Program

Kylene Peroutky
Exercise Physiology

Biomedical Sciences, Chemistry & Biochemistry, Room 310B

11:00am: Chimpanzees Shed Light on Alzheimer's Pathology in Humans

Melissa Edler
Biomedical Sciences

11:15am: Perforated patch clamp recording is required to observe GPCR-induced modulation of voltage-gated K⁺ currents

William Hamlet
Biomedical Sciences

11:30am: Fecal Fatty Acid Profiles Across Heart Disease Status in Captive Male Gorillas

Eric Henthorn
Biomedical Sciences

11:45am: Divalent Metal Cations Destabilize a Hyper Stable RNA G-Quadruplex Structure

Sumirtha Balaratnam
Chemistry and Biochemistry

12:00pm: Induced RNA-DNA G-Quadruplex Structures Elicit Anti-Cancer Effects by Inhibiting Endogenous eIF4E Expression

Debmalya Bhattacharyya
Chemistry and Biochemistry

Business Administration, Finance & Marketing, Room 313

11:00am: Limits of the Bazaar: Tragedy of the Commons in F/OSS

Geoffrey Hill, Pratim Datta, and Marmahdi Darbanhosseiniamirkhiz
Business Administration

11:15am: Municipal Market Systemic Risk in Light of Regulatory Reform

Candice Vander Weerd
Business Administration

11:30am: The Choice between Supplier Financing and Bank Financing

Zilong Liu
Finance

11:45am: Brand Engagement Online: Development and Validation of a Scale

Qin Wang
Marketing

12:00pm: Subsequent Product and Charity Choice: Cause-Related Marketing and Choice Overload

Erik Zemljic
Marketing

Education & English, Room 314

11:00am: In Shakespeare's Empire Who is Roman and Who is Barbarian?

Shazia Nasir
English

11:15am: Short and Sweet: The Epigraph as Authorial Device in 20th Century American Fiction

Ross Tangedal
English

11:30am: International Students in Online Courses: Critical Issues for Learning Experiences

Onur Topuzlu
Educational Psychology

11:45am: Faculty Perspectives on Student Evaluations of Teaching Effectiveness: A Pilot Study

Hannah Wilson
Foundations, Leadership and Administration

12:00pm: Special Education Administrators' Experience of Spirituality in their Work Lives

Merritt Waters
Educational Leadership

Education II, Room 315

11:00am: An Opening Towards Global Citizenship: How Universities Worldwide Can Benefit from Global and Dual Citizenship

Carla Mattiussi
Higher Education Administration & Student Personnel

11:15am: Women Superintendents, the Feminist Ethic, and Organizational Leadership

Carol Winter
Higher Education Administration & Student Personnel

11:30am: Investigating Effect of Language Ideology on English Curriculum Development in China

Yang Gao
Teaching, Learning and Curriculum

11:45am: "Well, it's not a choice to pick at the salt": The Recalcitrance of Tinythings in a Kindergarten Classroom

Casey Myers
Teaching, Learning and Curriculum Studies

12:00pm: The Whole Enchilada: Bundling Research, Education, and Outreach to Improve Student Learning in the Sciences

Lisa Regula Meyer
Biological Sciences

Networks, Space & Environment, Room 316

11:00am: A Content Analysis of the Environmental Protection Agency's Most-Viewed Video Public Service Announcements on its YouTube Web Page

William Kelvin
Communication Studies

11:15am: Correlation of Mass Dependent Sr Isotope Fractionation and Coordination Environment in Continental Barite from Zedletone Spring, Oklahoma

Inoka Widanagamage
Geology

11:30am: If a Ball is the Best Shape of All, Then What is the Worst?

Galyna Livshyts
Mathematics

11:45am: A Cross-Cultural Qualitative Examination of Social-Networking Sites and Academic Performance

Ipek Ozer
Foundations, Leadership and Administration

Political Science, Room 317

11:00am: Congressional Court-Curbing and Legislative Gridlock: Constraining or Maintaining Judicial Independence?

Lisa Hager
Political Science

11:15am: The Challenges of Health Care Reform

Alireza Raisi
Political Science

11:30am: Everyone's Doing It: Examining the Innovation and Diffusion of Performance-Based Funding 2.0

Joshua Testa
Political Science

11:45am: Focused on Growth: A Case Study of the Hydraulic Fracturing Business in Youngstown

Kristen Traynor
Political Science

Psychology, Room 318

11:00am: Testing the Buffering Model of Support in Stress Spillover

Alexandra Chong
Psychology

11:15am: Why Did You Two Hook-Up? An Examination of Motives for Engaging in Various Casual Sexual Relationships and Experiences

Shannon Claxton
Psychology

11:30am: Number Set Processing: Do We Generate Implicit Mean Values?

Patrick Cravalho
Psychology

11:45am: Preschoolers' Communication About Discovery

Jenna Wall
Psychology

Graduate Student Senate

The Graduate Student Senate (GSS) represents the concerns of the graduate student community at Kent State University. By serving as an allocation body, the Graduate Student Senate is responsible for assisting with graduate student travel and research funding. Additionally, the Graduate Student Senate organizes and provides financial support for social activities for graduate students. Each spring the Graduate Student Senate sponsors the Graduate Research Symposium, an event that displays, recognizes, and celebrates research and scholarship across all academic disciplines. The Graduate Student Senate meets four times each semester, and lunch is always provided. The Friday following each general meeting, a social event known as GradFest is held at a local establishment. All graduate students are welcome to become involved with the Graduate Student Senate.

GSS Executive Board (2013-2014)

Michael Allen, Executive Chair
Alex Lesak, Finance Chair
Krysia Kornecki, Advocacy Chair
Deb Lamm, Administrative Assistant

Lindsey Westermann Ayers, Vice-Executive Chair
Larrie King, Information Services Chair
Natalie Fox, Symposium Chair
Dr. Kate McAnulty, Adviser

Additional information

Website: www.kent.edu/graduatestudies/gss
Email: gss@kent.edu
Facebook: Kent State Graduate Student Senate
Twitter: @KSUGSS

Save the date! The 30th Annual Graduate Research Symposium will be held on Friday, April 3, 2015.

A sincere thank you to all who served as judges and volunteers!