

Schedule of Events

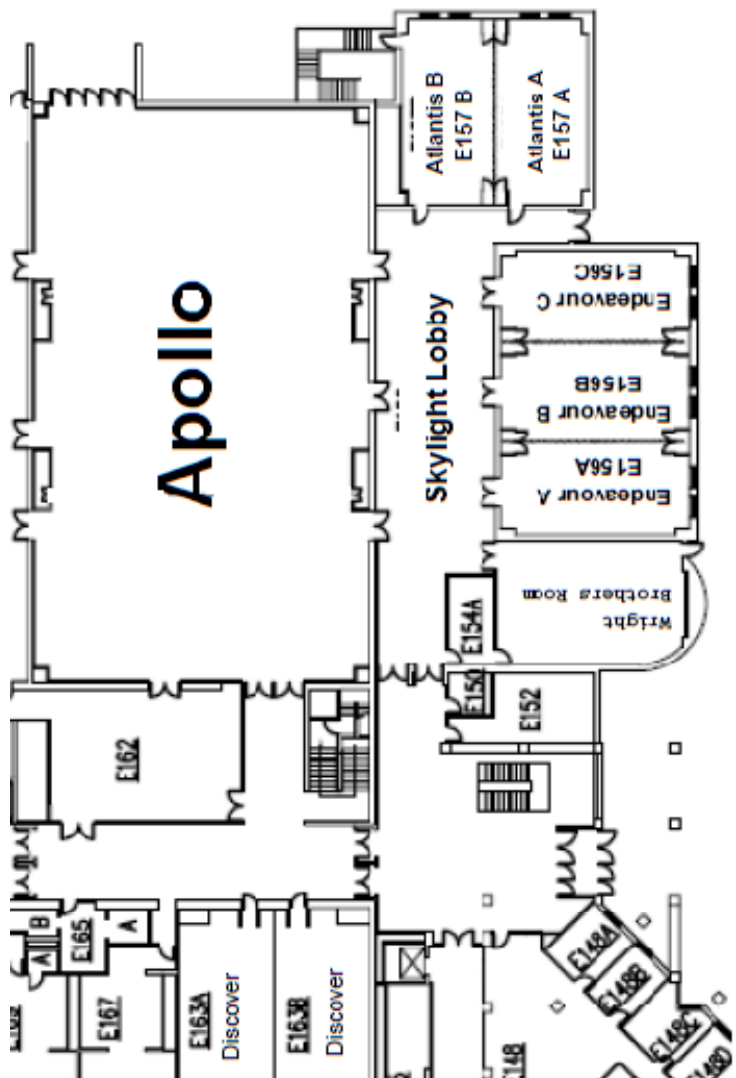
Conference Check-in and Registration 7:30AM – 11:30AM
Skylight Lobby, Student Union

Oral Presentations, Morning Sessions 9AM – 11:20AM
*Endeavor Rooms(156) A,B,C,
Atlantis Room(157),
Discover Rooms A,B)*

Welcome 11:20AM
*Robert E. W. Fyffe, Ph.D.
Wright State University Vice President for Research
Apollo Room*

Poster Presentations and Lunch 11:40AM – 1:30PM
Skylight Lobby and Apollo Room

Oral Presentations, Afternoon Sessions 9AM – 11:20AM
*Endeavor Rooms(156) A,B,C,
Atlantis Room(157),
Discover Rooms A,B)*



Session Moderators

Norma Adragna-Lauf, Ph.D.

K. T. Arasu, Ph.D.

Marie Bashaw, Ph.D.

Caroline Cao, Ph.D.

Jason Deibel, Ph.D.

Rosemary Eustace, Ph.D.

Katherine Excoffon, Ph.D.

Subhashini Ganapathy, Ph.D.

Junghsen Lieh, Ph.D.

Laura Luehrmann, Ph.D.

Thank You!

Morning Session 1 E156A

Student	Faculty Mentor	Department
Irfaan Dar <i>9:00</i> <i>Title: Brain segmentation and analysis of neonates with dysphagia</i>	Nasser Kashou	Biomedical, Industrial/ Human Factors Engineering
Chirag Limbachia <i>9:20</i> <i>Title: Functional Magnetic Resonance Imaging of Convergence Eye Movements</i>	Nasser Kashou	Biomedical, Industrial/ Human Factors Engineering
Mohd Usmani <i>9:40</i> <i>Title: Functional Magnetic Resonance Imaging (fMRI) for predicting performance based on Visual Object Recognition Task</i>	Nasser Kashou, Ion Juvina	Biomedical, Industrial/ Human Factors Engineering
Brenna Giacherio <i>10:00</i> <i>Title: Is fNIRS Ready for Use in Clinical Ophthalmology?</i>	Nasser Kashou	Biomedical, Industrial/ Human Factors Engineering
Travis Goettemoeller <i>10:20</i> <i>Title: Investigating Structural Correlates of Idiopathic Infantile Nystagmus Syndrome using MRI-Based Brain Volumetrics</i>	Nasser Kashou	Biomedical, Industrial/ Human Factors Engineering
Ali Kadhim <i>10:40</i> <i>Title: Volumetric Analysis of Hydrocephalus Patients in Pediatrics</i>	Nasser Kashou	Biomedical, Industrial/ Human Factors Engineering
Emma Sum <i>11:00</i> <i>Title: Near-Infrared Spectroscopy Device for Imaging the Breast</i>	Nasser Kashou	Biomedical, Industrial/ Human Factors Engineering

Morning Session 2 E156B

Student	Faculty Mentor	Department
Angelica Zampini 9:00 <i>Title: Diffusion Tensor Imaging and Segmentation for Infantile Nystagmus</i>	Nasser Kashou	Biomedical, Industrial/ Human Factors Engineering
Anthony Vicini 9:20 <i>Title: Skull Fracture in Head Impacts</i>	Tarun Goswami	Biomedical, Industrial/ Human Factors Engineering
Lucas Stork Megan Markl Katherine Gamber Amena Shermadou 9:40 <i>Title: Low-Cost Digital X-ray Image Receptor Design</i>	Thomas Hangartner	Biomedical, Industrial/ Human Factors Engineering
Kushal Abhyankar 10:00 <i>Title: Model-Based Approach to Understand and Develop Technology-Enhanced System for Engineering Education</i>	Subhashini Ganapathy	Biomedical, Industrial/ Human Factors Engineering
Yiman Lou 10:20 <i>Title: Supporting Procedural and Perceptual Learning in Laparoscopic Surgery</i>	Caroline Cao	Biomedical, Industrial/ Human Factors Engineering
Robert Johnson 10:40 <i>Western Blotting and Its Application to the Study of DNA Replication Checkpoints</i>	Yongjie Xu	Biochemistry/Molecular Biology
Tasha Hester 11:00 <i>Title: Expression and Function of Genes Involved in Spermatogenesis in the planarian Schmidtea mediterranea</i>	Labib Rouhana	Biological Sciences

Morning Session 3 E156C

Student	Faculty Mentor	Department
Lauren Shafer <i>9:00</i> <i>Title: Effects of Hypoxia and Hypercapnia on <i>Cambarus bartonni cavatus</i></i>	Lynn Hartzler	Biological Sciences
Jonathan Bowers <i>9:20</i> <i>Title: TALEN-based genome editing to knock out the apical isoform of the coxsackievirus and adenovirus receptor and block apical adenovirus entry into polarized epithelia</i>	Katherine Excoffon	Biological Sciences
Mahmoud Alghamri <i>9:40</i> <i>Title: Apical Coxsackievirus and Adenovirus Receptor (CAR) Expression is Highly Regulated in Polarized Cells</i>	Katherine Excoffon, Ph.D.	Biological Sciences
Joseph Santin <i>10:00</i> <i>Title: Inhibition of a hyperpolarization-activated inward current (I_h) facilitates cold-activation of locus coeruleus neurons of bullfrogs, <i>Lithobates catesbeianus</i></i>	Lynn Hartzler	Biological Sciences
Sahar Kamel <i>10:20</i> <i>Title: Adeno-Associated Virus Transduction of Human CD4+T Lymphocytes</i>	Katherine Excoffon, Ph.D.	Biological Sciences
Sara Seibert <i>10:40</i> <i>Title: Assortative Fertilization in the <i>Elegans</i>-Group of <i>Caenorhabditis</i></i>	Scott E. Baird	Biological Sciences
Trisha Brockman <i>11:00</i> <i>Title: Src-family kinases do not affect apical expression of the coxsackie and adenovirus receptor in polarized epithelial cells</i>	Katherine Excoffon	Biological Sciences

Morning Session 4 E157

Student	Faculty Mentor	Department
Thijs Gerritsen <i>9:00</i> <i>Title: The Reaction of 3-Phenyl Sydnone with Bromine in Acetic Anhydride: A Reinvestigation</i>	Kenneth Turnbull	Chemistry
Kevin Dorney <i>9:20</i> <i>Title: Intracellular Distribution and Fate of Chelerythrine, a Putative NKA/NKP Inhibitor, in Lens Epithelial Cells Probed via Surface-Enhanced Raman Spectroscopy</i>	Ioana E. P. Sizemore	Chemistry
Pramod Anantharam <i>9:40</i> <i>Title: Extracting City Events from Social Streams</i>	T. K. Prasad	Computer Science
Kyle Bayes <i>10:00</i> <i>Title: Adding More Expressivity to Horn Description Logics</i>	Pascal Hitzler	Computer Science
Joseph Strzelecki <i>10:20</i> <i>Title: Design and Optimization of a Phase Frequency Detector in 90nm CMOS</i>	saiyu Ren	Electrical Engineering
Naga Venkata Vijaya Krishna Boppana <i>10:40</i> <i>Title: Impact of interconnections on performance of RF designs "</i>	Dr. Saiyu Ren	Electrical Engineering
Kyle Bayes <i>11:00</i> <i>Title: Showing Nonexistence of Certain Circulant Weighting Matrices</i>	K.T. Arasu	Mathematics and Statistics

Morning Session 5 E163A

Student	Faculty Mentor	Department
Hamza Abdel-Latif <i>9:00</i> <i>Title: Balanced perfect sequences of even period</i>	KT Arasu	Mathematics
Jacob Erickson <i>9:20</i> <i>Title: Entropy Optimal Orthogonal Matrices</i>	K.T. Arasu	Mathematics
Aouatef Chihi <i>9:40</i> <i>Title: Changes in C-bouton synapses during ALS progression</i>	Sherif Elbasiouny	Neuroscience, Cell Biology/ Physiology
Basia Galinski <i>10:00</i> <i>Title: The effect of SK channel modulation on survival and motor performance of ALS mice</i>	Sherif Elbasiouny	Neuroscience, Cell Biology/ Physiology
Darci Gallimore <i>10:20</i> <i>Title: Social Buffering and its Effects on Subsequent Learning</i>	Dragana Claflin	Psychology
Naga Lakshmi Kaulini Burra <i>10:40</i> <i>Title: Effect of TCDD on Immunoglobulin Class Switching</i>	Courtney Sulentic	Pharmacology/ Toxicology
Bassam Kashgari <i>11:00</i> Toxicology <i>Title: The Mechanism of Aryl Hydrocarbon Receptor In The Human Immunoglobulin Heavy Chain.</i>	Courtney Sulentic	Pharmacology and Toxicology

Morning Session 6 E163B

Student	Faculty Mentor	Department
Abdullah Freiwan <i>9:00</i> <i>Title: Elucidating the role of the polymorphic human hs1,2 enhancer in the effects of TCDD</i>	Courtney Sulentic	Pharmacology/Toxicology
Marie Heis <i>9:20</i> <i>Title: The effects of exercise and metformin on monoamine activity in db/db mice</i>	James Lucot	Pharmacology/ Toxicology
Nagendra Babu Ravilla <i>9:40</i> <i>Title: Functional expression of KCC3 in Human Embryonic Kidney (HEK-293) Cells</i>	Norma C. Adragna	Pharmacology/ Toxicology
Andrew Snyder <i>10:00</i> <i>Title: TCDD-induced Activation of the Human Igh hs1,2 Enhancer is Not Altered by Mutation of Transcription Factor Binding Sites Within the Polymorphic Region</i>	Courtney Sulentic	Pharmacology/Toxicology
James Agee <i>10:40</i> <i>Title: Military Research and Developmental effects on Foreign Policy</i>	Laura Luehrmann	Political Science
Michael Tyler <i>11:00</i> <i>Title: Kutemba Na Askari: Reflections of Wright State's Student-Led Civil Rights Pilgrimage</i>	Tracy Snipe	Political Science

POSTER SESSION
11:30 – 1:30

Afternoon Session 1 E156A

Student	Faculty Mentor	Department
Will Davis <i>1:45</i> <i>Title: Radio Waves</i>	Marjorie McLellan	Masters Program in Humanities
Wesley Hannebaum <i>2:05</i> <i>Title: The Role of the Nurse in Family Coping After Miscarriage</i>	Lisa Smithers	College of Nursing and Health
Garrett Teets <i>2:25</i> <i>Title: Sino-U.S. Relations: Equilibrium in the Asia-Pacific</i>	Laura Luehrmann	Political Science
Ashley Hartlaub <i>2:45</i> <i>Title: Changes to the Social Work Curriculum Since 2008</i>	Sarah Twill	Social Work
Louis Agresta David Burns <i>3:05</i> <i>Title: Corporate Sponsorship at the Local Government Level</i>	Myron Levine	Urban Affairs

Poster Presentations

Biochemistry & Molecular Biology

Phospholipids of
Rhodobacter Sphaeroides
Cytochrome C Oxidase
Affects the Flexibility of the
Enzyme

Student Presenter(s):

Khadijeh Alnajjar,
Graduate Student in
Biological Sciences

Faculty Mentor:

Lawrence Prochaska, Ph.D.

Department: Biochemistry &
Molecular Biology

The Use of an In Vitro
Simulator for Modeling
Human Gut Microbiota
Student Presenter(s):

Harvey Anu, Graduate
Student in Pharmacology
& Toxicology

Faculty Mentor: Oleg Paliy, Ph.D.

Department: Biochemistry &
Molecular Biology

Microsatellite Stabilization
by FANCD1 Helicase
Student Presenter(s):

Joanna Barthelemy,
Graduate Student in
Biomedical Sciences

Faculty Mentor:

Michael Leffak, Ph.D.

Department: Biochemistry &
Molecular Biology

Fatty Acids and their
Thioester Derivatives as
Potential Endogenous
Ligands of LXR alpha
Student Presenter(s):
Shimpi Bedi, Graduate
Student in Biomedical
Sciences

Faculty Mentor:

Heather A. Hostetter, Ph.D.

Department: Biochemistry &
Molecular Biology

$\Delta Np63\alpha$ Repress Nuclear
Translocation of PTEN by
Inhibition of NEDD4-1 in
Keratinocytes

Student Presenter(s):

Natasha Hill, Graduate
Student in Biomedical
Sciences

Faculty Mentor:

Madhavi Kadakia, Ph.D.

Department: Biochemistry &
Molecular Biology

Western Blotting and its
Applications to the Study
of the Signaling Pathway
of the DNA Replication
Checkpoint in Fission
Yeast

Student Presenter(s):

Robert Johnson,
Undergraduate Student in
Chemistry

Faculty Mentor: Yong-jie Xu, Ph.D.

Department: Biochemistry &
Molecular Biology

Endogenous Ligand Binding Profile of Full-Length Human PPAR Alpha in Comparison to Murine PPAR Alpha
Student Presenter(s):
Dhawal Oswal, Graduate Student in Biomedical Sciences
Faculty Mentor:
Heather A. Hostetler, Ph.D.
Department: Biochemistry & Molecular Biology

Biological Sciences

Apical Coxsackievirus and Adenovirus Receptor (CAR) Expression is Highly Regulated in Polarized Cells
Student Presenter(s):
Mahmoud Alghamri, Graduate Student in Biomedical Sciences
Faculty Mentor:
Katherine Excoffon, Ph.D.
Department: Biological Sciences

Accurate Splicing of HDAC6 Transcripts Requires Son
Student Presenter(s):
Vishnu Priya Chowdary Battini, Graduate Student in Biological Sciences
Faculty Mentor: Paula Bubulya, Ph.D.
Department: Biological Sciences

Transduction of Adipose Derived Stem Cells with Adeno-Associated Virus
Student Presenter(s):
Shon Jergens, Undergraduate Student in Clinical Laboratory Science
Faculty Mentor:
Katherine Excoffon, Ph.D.
Department: Biological Sciences

On the Specialization of Tooth Morphology in Early Cladodont Sharks
Student Presenter(s):
Madelyn Jones, Undergraduate Student in Biological Sciences
Faculty Mentor:
Stephen Jacquemin, Ph.D.
Department: Biological Sciences

The Coxsackievirus and adenovirus receptor (CAR) mediates neutrophil adhesion on the epithelial cell surface. Adeno-Associated Virus Transduction of Human CD4+T Lymphocytes
Student Presenter(s):
Poornima Kotha Lakshmi Narayan, Graduate Student in Microbiology & Immunology
Faculty Mentor:
Katherine Excoffon, Ph.D.
Department: Biological Sciences

Wnt/ β -Catenin Signaling Modulates Coxsackievirus and adenovirus receptor (CAR) expression and adenoviral infectivity in human airway epithelial cells

Student Presenter(s):
Priyanka Sharma, Graduate Student in Microbiology & Immunology
Faculty Mentor: Katherine Excoffon, Ph.D.
Department: Biological Sciences

Analysis of Switchgrass and Corn Stover Hydrolysate Fermentations for Feedstock Comparison
Student Presenter(s):

Grace Klinger, Undergraduate Student in Biological Sciences
Faculty Mentor: Yaoping Zhang, Ph.D. Great Lakes Bioenergy Research Center (University of Wisconsin – Madison) and Gerald Alter, Ph.D. (Wright State University)
Department: Biological Sciences

Host Plant Limitations in Two Species of Andean Altinote Butterflies
Student Presenter(s):

Karen Pedersen, Graduate Student in Biological Sciences
Faculty Mentor: John Stireman, Ph.D.
Department: Biological Sciences

Interaction of Son with a Heterochromatic Transgene Array
Student Presenter(s):
Jennifer Pence, Graduate Student in Biological Sciences

Faculty Mentor: Paula Bubulya, Ph.D.
Department: Biological Sciences

Male Specific Lethality in F1 Hybrids of *Caenorhabditis*

Student Presenter(s):
Vaishnavi Ragavapuram, Graduate Student in Biological Sciences, and Scott Baird, Ph.D.

Faculty Mentor: Scott Baird, Ph.D.
Department: Biological Sciences

White-Tailed Deer Alter Spider Communities through Direct and Indirect Mechanisms

Student Presenter(s):
Elizabeth Sancomb, Graduate Student in Biological Sciences

Faculty Mentor: Thomas P. Rooney, Ph.D.
Department: Biological Sciences

Tooth Morphology
Provides Evidence of
ancestral Megalodon
Shark Linage
Student Presenter(s):
Suzanna Wint,
Undergraduate Student in
Earth and Environmental
Sciences
Faculty Mentor:
Stephen Jacquemin, Ph.D., and
Chuck Ciampaglio, Ph.D.
Department: Biological Sciences

Chemosensitive Locus
Coeruleus Neurons in the
Savannah Monitor Lizard,
Varanus Exanthematicus
Student Presenter(s):
Lucas Zena, Graduate
Student in Biomedical
Sciences
Faculty Mentor: Lynn Hartzler, Ph.D.
Department: Biological Sciences

Biomedical and Industrial Engineering

Process Control in Data
Entry Devices
Student Presenter(s):
Alexandra Comer,
Undergraduate Student in
Industrial and Systems
Engineering
Faculty Mentor:
Subhashini Ganapathy, Ph.D.
Department: Biomedical & Human
Factors Engineering

Vibrotactile Feedback and
Stochastic Resonance in a
Laparoscopic Probing
Task
Student Presenter(s):
Robert Hoskins,
Graduate Student in
Industrial & Human
Factors Engineering
Faculty Mentor: Caroline Cao, Ph.D.
Department: Biomedical & Human
Factors Engineering

Computer Aided
Diagnostic for Surgeons:
Using Kinect in
Laparoscopic Surgery
Student Presenter(s):
Mohammadreza Maddah,
Graduate Student in
Engineering
Faculty Mentor:
Nasser Kashou, Ph.D.
Department: Biomedical & Human
Factors Engineering

Information Presentation
on Mobile Devices for
Small Form Factors
Student Presenter(s):
**Raghavendra Rao
Polakonda**, Graduate
Student in Human Factors
& Industrial Engineering
and Organizational
Psychology
Faculty Mentor:
Subhashini Ganapathy, Ph.D.
Department: Biomedical & Human
Factors Engineering

“Yelling will not make me learn better!”

Student Presenter(s):

Nataliya Pyatka,
Graduate Student in
Medicine

Faculty Mentor: Caroline Cao, Ph.D.
Department: Biomedical & Human
Factors Engineering

Develop a Computer-
Aided Tool for
Visualization of the
Abdomen during
Insufflation

Student Presenter(s):

Zohreh Tavakkoli,
Graduate Student in
Biomedical Engineering

Faculty Mentor:
Nasser Kashou, Ph.D.
and Caroline Cao, Ph.D.
Department: Biomedical & Human
Factors Engineering

Chemistry

Effect of Alkyl Chain
Length on the Thermal
Properties of Poly(arylene
ether)s Derived From N-
Alkyl-N-Phenyl-3,5-
Difluorobenzene
Sulfonamides

Student Presenter(s):

Marina Andrejevic,
Graduate Student in
Chemistry

Faculty Mentor: Eric Fossum, Ph.D.
Department: Chemistry

Aryl Alkoxy Polyethers

Student Presenter(s):

Juraj Drzic,
Graduate Student in
Chemistry

Faculty Mentor: William Feld, Ph.D.
Department: Chemistry

Synthesis of Main Chain
Alkoxy Substituted DP-
PPV

Student Presenter(s):

Jeremy Lear,
Graduate Student in
Chemistry

Faculty Mentor: William Feld, Ph.D.
Department: Chemistry

Synthesis of a Haplomyrtin
Precursor from a TIPS

Protected Intermediate

Student Presenter(s):

Bram Spierenburg,
Undergraduate Student in
Chemistry

Faculty Mentor: William Feld, Ph.D.
Department: Chemistry

Oxyalkylene Linked
Polyimide with Aromatic
Subunits

Student Presenter(s):

Kristy Wickman,
Graduate Student in
Chemistry

Faculty Mentor: William Feld, Ph.D.
Department: Chemistry

College of Nursing and Health

Postoperative Pain
Management in Adult
Knee Arthroplasty Patients
Student Presenter(s):
Stephanie Isaac-Francis,
Graduate Student in
Nursing
Faculty Mentor: Patricia Martin, Ph.D.
Department: College of Nursing
and Health

Development and Testing
of an Educational
Intervention to Increase
Knowledge of STI &
HIV/AIDS Prevention
among Low Risk Pregnant
Women: The Project
TO-R-CH
Student Presenter(s):
Pratibha Nigam,
Undergraduate Student in
Nursing
Faculty Mentor:
Rosemary Eustace, Ph.D., CFLE,
PHCNS-BC, RN and
Rosalie Mainous PhD, APRN, NNP-
BC
Department: College of Nursing
and Health

Computer Science

KHealth
Student Presenter(s):
**Surendra Brahma
Marupudi,** Graduate
Student in Computer
Science
Faculty Mentor: Amit Sheth, Ph.D.
Department: Computer Science

Leadership Studies

Third Grade Reading
Guarantee- A Case Study
Student Presenter(s):
Adrija Chatterjee,
Graduate Student in
Clinical Psychology
Faculty Mentor: Suzanne Franco, Ph.D.
Department: Leadership Studies

Student Growth Measures
for Teacher and Principal
Evaluations
Student Presenter(s):
Allison Mueller, Graduate
Student in Counseling
Faculty Mentor: Suzanne Franco, Ph.D.
Department: Leadership Studies

Marketing

An Empirical Study of
Consumers' Attitudes and
Behaviors Toward
Showrooming

Student Presenter(s):

Hanna Ranly,

Undergraduate Student

Faculty Mentor: Pola Gupta, Ph.D.

Department: Marketing

Neuroscience, Cell Biology and Physiology

Placental-Specific
Prolonged Activity of
Hypoxia-Inducible Factor 1
alpha (HIF-1 α): A Mouse
Model of Preeclampsia

Student Presenter(s):

Renee Albers, Graduate

Student in Biological
Sciences

Faculty Mentor:

Thomas L. Brown, Ph.D.

Department: Neuroscience, Cell
Biology and Physiology

AMPK Knockdown in
Placental Trophoblast
Cells Results in Altered
Morphology and Function
Student Presenter(s):
Renee Albers, Graduate
Student in Biological
Sciences

Faculty Mentor:

Thomas L. Brown, Ph.D.

Department: Neuroscience, Cell
Biology and Physiology

Anatomical Investigations
of Saphenous Nerve
Afferent Terminations in
the Postnatal Mouse
Spinal Cord

Student Presenter(s):

Marisela Dallman,

Graduate Student

Faculty Mentor: David Ladle, Ph.D.

Department: Neuroscience, Cell
Biology and Physiology

Na⁺ Entry Through
TRPM7 Channels

Student Presenter(s):

Siham Hourani, Graduate
Student

Faculty Mentor:

Juliusz Ashot Kozak, Ph.D.

Department: Neuroscience, Cell
Biology and Physiology

Site Directed Mutagenesis
of a Lentiviral NdeI
Restriction Site
Student Presenter(s):
Kirsten Jacobson,
Graduate Student
Faculty Mentor:
Thomas L. Brown, Ph.D.
Department: Neuroscience, Cell
Biology and Physiology

Stroke Physical
Rehabilitation: Impact on
Motor Functional Recovery
in Drug Treated Versus
Vehicle Treated Rats
Student Presenter(s):
Moner Ragas, Graduate
Student in Biological
Sciences
Faculty Mentor: Adrian M. Corbett,
Ph.D.
Department: Neuroscience, Cell
Biology and Physiology

Lentiviral Gene Targeting
Student Presenter(s):
Melissa Sands,
Undergraduate Student
Faculty Mentor:
Thomas L. Brown, Ph.D.
Department: Neuroscience, Cell Biology
and Physiology

Prolonged Expression of
Hypoxia-Inducible Factor 1
alpha (HIF-1 α) in the
Placenta Leads to
Placental Abnormalities
Student Presenter(s):
Melissa Sands,
Undergraduate Student
Faculty Mentor:
Thomas L. Brown, Ph.D.
Department: Neuroscience, Cell
Biology and Physiology

Channelopathy
Contributes to
Proprioceptive Deficits
Following Chemotherapy
Student Presenter(s):
Krystyna Wiczerzak,
Graduate Student
Faculty Mentor:
Timothy C. Cope, Ph.D.
Department: Neuroscience, Cell
Biology and Physiology

Pharmacology and Toxicology

Role of AT1a Receptor in
2K1C Model of
Renovascular
Hypertension and its
Impact on Renal Neprilysin
(NEP) Protein Expression
Student Presenter(s):
Laale Alawi, Graduate Student
in Pharmacology and Toxicology
Faculty Mentor: Khalid Elased, Ph.D.
Department: Pharmacology and
Toxicology

Effect of Rosiglitazone on Renal and Urinary Neprilysin (NEP) in db/db Diabetic Mice

Student Presenter(s):

Sana Emberesh, Graduate Student in Pharmacology and Toxicology

Faculty Mentor: Khalid Elased, Ph.D.
Department: Pharmacology and Toxicology

Increased Urinary Angiotensin Converting Enzyme 2 (ACE2) in Diabetic patients with CKD

Student Presenter(s):

Sridevi Gutta, Graduate Student in Pharmacology and Toxicology

Faculty Mentor: Khalid Elased, Ph.D.
Department: Pharmacology and Toxicology

Use of Hair Follicles as a Non-invasive Sampling Technique for Genotyping for ACE2 and AT1R Knockout Mice

Student Presenter(s):

Lesan Mattis, Graduate Student

Faculty Mentor: Khalid Elased, Ph.D.
Department: Pharmacology and Toxicology

Apelin Regulation of Potassium Chloride Cotransport (KCC) in Vascular Smooth Muscle Cells (VSMCs): Relation to Cardiovascular Disease (CVD) Student

Presenter(s):

Neelima Sharma, Graduate Student in Biomedical Sciences

Faculty Mentor: Norma Adragna-Lauf, Ph.D.
Department: Pharmacology and Toxicology

Political Science

How has reform affected Kerala's caste system?

Student Presenter(s):

Brian Storch

Faculty Mentor: Pramod Kantha, Ph.D.
Department: Political Science

Unity or Rivalry? The Role of Identity in European Integration

Student Presenter(s):

Caitlyn Banis, Graduate Student in International and Comparative Politics

Faculty Mentor: Liam Anderson, Ph.D.
Department: Political Science

Threat Perceptions and National Power: Explaining China's Rise Student Presenter(s):
Christopher Dias, Graduate Student in International and Comparative Politics
Faculty Mentor:
Laura Luehrmann, Ph.D Department: Political Science

The Chinese and African Relationship: Oil Interests, Economic Growth, and the Trifecta Student Presenter(s):
Devin Faggs, Undergraduate Student in Political Science
Faculty Mentor:
Laura Luehrmann, Ph.D.
Department: Political Science

How Does Rivalry Impact Soft Power?: China's Utilization of Soft Power Among Rival States Student Presenter(s):
Martin Kalfas, Graduate Student in International and Comparative Studies
Faculty Mentor:
Laura Luehrmann, Ph.D.
Department: Political Science

Regional Organizations: Tools of the Powerful for Peace? Student Presenter(s):
Kraig Reiber, Graduate Student in International and Comparative Studies
Faculty Mentor:
December Green, Ph.D.
Department: Political Science

The Rise and Decline of International Adoption from China Student Presenter(s):
Paula Sloas, Undergraduate Student in International Studies
Faculty Mentor:
Laura Luehrmann, Ph.D.
Department: Political Science

Recognizing Historical Memory and its Implications toward Nationalism; Case Studies in East Asia Student Presenter(s):
Hannah Collins, Graduate Student in International and Comparative Politics
Faculty Mentor:
Laura Luehrmann, Ph.D.
Department: Political Science

Negotiating Cooperative Management and Use of Transboundary Drainage Basins: A Comparative Case Study of the Asi-Orontes, Jordan, and Tigris-Euphrates Drainage Basins

Student Presenter(s):
Kuyer Fazekas, Graduate Student in International and Comparative Studies

Faculty Mentor:
Vaughn Shannon, Ph.D.
Department: Political Science

Influence on Domestic Policy: The Case of China
Student Presenter(s):

Sarah Matos, Undergraduate Student in International Studies

Faculty Mentor:
Laura Luehrmann, Ph.D. Department:
Political Science

Predicting Workplace Interactions:
Counterproductive Work Behaviors, Interpersonal Relationships and Select Big Five Traits

Student Presenter(s):
Sarah McLaughlin, Undergraduate Student in Psychology

Faculty Mentor: Gary Burns, Ph.D.
Department: Psychology

Public Health

The Socioeconomic Status of Adolescent Mothers and its Relationship to Prenatal Care and Fetal Health in Franklin County, Ohio

Student Presenter(s):
Christen Johnson, Medical Student and Graduate Student in Public Health

Faculty Mentor: Sara Paton, Ph.D.
Department: Community Health

Teacher Education

The Socioeconomic Status of Adolescent Mothers and its Relationship to Prenatal Care and Fetal Health in Franklin County, Ohio

Student Presenter(s):
Christen Johnson, Medical Student and Graduate Student in Public Health

Faculty Mentor: Sara Paton, PhD