

Biological Sciences

Location and Time	Authors	Title
B-1 10:30	Brandon Arnsberger	Role of Medial Prefrontal Cortex Dopamine D1-Like Receptors in Chronic Restraint Stress-Induced Increases in Palatable Food Craving
B-2 1:15	Kelly N. Barko, Ashley L. Wagner, Ellen M. Kehres, and Michael G. Borland	Examination of DNA Methylation as PPAR-dependent Transcriptional Regulator Mechanism in Human Keratinocytes
B-3 10:30	Daniel P. Callen, Ellen M. Kehres, and Michael G. Borland	Examination of Two Retinoids as PPAR Activators and Modulators of Melanoma Proliferation
B-4 1:15	Lauren Cram, Jordan Zezza, Judy Grisel, Sarah Cassella	Examination of Microglial Morphology in Acute Ethanol Intoxication Mouse Model
B-5 10:30 1:15	Nicolas Diaz, Jason Cantley, Seana Walsh, and Chris Martine	Using Ecological Niche Models to Inform Delimitation of Cryptic Species in Hawaiian Coprosma foliosa Complex (Rubiaceae)
B-6 1:15	Mark R. Drumm, Ashley L. Wagner, Ellen M. Kehres, and Michael G. Borland	Dissecting an Interaction Between the Peroxisome Proliferator-Activated Receptors (PPARs) and the Glucocorticoid Receptor (GR) in Human Malignant Melanoma
B-7 10:30	Morgan Eckenroth, Brian King (Ph.D.) and Vanessa Troiani (Ph.D.)	Assessing the Utility of Virtual Reality on Selective Attention Bias in Children with Autism Spectrum Disorder
B-8 1:15	Katie Fischer, Hailey Shannon, Tara Barbarich, Matthew Persons, and David Matlaga	Patterns of Ground Spider Community Diversity and Richness Across Riparian Buffers Dominated by Japanese Knotweed (Fallopia Japonica)
B-9 10:30	Ginna E. Freehling, Kathleen E. Bell, Christine M. Murphy, Erin E. Schuler, Amy M. Patterson, Kirsten Rudd, Danielle Alaimo, and Elizabeth C. Marin.	The Role of Antp in Anteroposterior Patterning of the Drosophila Melanogaster Ventral Nervous System
B-10 1:15	Orvil Grunmeier III and Dustin Bendas	The Impact of Goldenrod Shoot Size on Gall Growth
B-11 10:30	Kyle J Haddock, H Henry Harrison, Abby E Hare-Harris, and Christa Lese Martin	Development of an Automated Algorithm for Sequencing Data to Identify Candidate Genes for Developmental Brain Disorders in Recurrent Copy Number Variants
B-12 1:15	Sean Hake, Tia Kissinger, Jonathan Niles, and Dan Ressler	Linking Brook Trout Habitats with Network Models: Using Predicted Culverts to Fine Tune Habitat Linkages
B-13 10:30	Daniel Hayes, Ingrid Jordon-Thade, Jason Cantley, and Chris Martine	A Successful Solanum spp. (Solanaceae) Greenhouse Growth Model Using Integrated Pest Management.
B-14 1:15	Adam Huff and Emily Stowe (Ph.D.)	Light-Dependent and Light-Independent Protochlorophyllide Oxidoreductase: Comparing steady-state mRNA levels in Fremyella diplosiphon UTEX 481 and Nostoc punctiforme ATCC 29133
B-15 10:30	Emma L. Hundermark, Alexander J.H. Morris, Wilmer C. Stowe and Emily L. Stowe	The characterization of a novel cyanobacterial strain: Pseudanabaena SRC
B-16 1:15	Elizabeth Jones, Dr. Erin Keen-Rhinehart, Dr. Sarah Cassella, AmberLynn Grant	Affects of Prenatal Food Deprivation on Offspring Microglial Morphology
B-17 10:30	Tia Kissinger, Sean Hake, Jonathan Niles, and Dan Ressler	Digital Elevation Models Help Us Predict Obstructions to Brook Trout Habitat
B-18 1:15	Kurt D. Knepley and William L. Coleman	Distribution of and Colocalization of Synapsin I, II, and III, and Rab3a within the Earthworm Nervous System
B-19 10:30	Dasha Kostyuchek, Todd B Nentwig, Grace Leung, and Judith E Grisel	Access to Activity Wheel Access Regulates Alcohol Consumption in Mice: Effect of Varying Degrees of Beta-Endorphin Expression

B-20 1:15	Mae L. Lacey, Jason T. Cantley, and Christopher T. Martine	Novel Taxon in a New National Park Helps to Disentangle Species Boundaries Among Spiny Australian Bush Tomatoes
B-21 10:30	Nathan Luftman, Jason Cantley, and Chris Martine	Saltwater Tolerance Thresholds in the Halophytic Species <i>Chenopodium Oahuense</i> (Amaranthaceae) Including a New Segregate Taxon From the Island of Moloka'i in the Hawaiian Islands.
B-22 1:15	Emily Mausteller, Michelle Gillette, Rachel Snyder, and Tanya Matlaga (Ph.D.)	Examining Terrestrial Soil Invertebrates to Understand the Impacts of Climate Change on the Red-Backed Salamander (<i>Plethodon Cinereus</i>)
B-23 10:30	Rachel McDonald	Sex Differences in an Animal Model of Relapse to Highly Palatable Food Seeking
B-24 1:15	Rachel Snyder, Emily Mausteller, and Dr. Tanya Matlaga	Do Forest Roads and Streams Restrict Movement of Red-Backed Salamanders (<i>Plethodon Cinereus</i>)?
B-25 10:30	Megan Summers	Metabolic Preparatory Responses to Flavor-Nutrient Learning and its Effects on Subsequent Meal Patterns.

Clinical and Translational

Location	Authors	Title
C-1 10:30	Bethany Blass, Raakel Vuojolainen, Marisa Patti, and Vanessa Troiani	Orbitofrontal Cortex Sulcogyral Patterns as a Psychiatric Risk Marker: Evidence From a Cross-Diagnostic Sample
C-2 1:15	Marcus Erdman, Anna Maria Stauffer, Victoria Herndon, Kathleen Sheridan, and Janet Robishaw (Ph.D)	Determining the Relationship of the GPR52 Receptor Variants to Neurological Diseases Through Genetic Association Studies and Functional Analyses.
C-3 10:30	Lisa M Francomacaro, Katie Jaap (MD), Charles Walker (MD), James T Dove (BA), Marie Hunsinger (RN, BSHS), Ken Widom (MD), Denise Torres (MD), Mohsen Shabahang (MD, Ph. D.), Joe Blansfield (MD), Jeffrey Wild (MD)	Sarcopenia Predicts Poor Outcomes in Urgent Exploratory Laparotomy
C-4 1:15	Abigail Garrett, Ridge Dershem, Raghu Metpally, Hans Brauner-Osborne, Janet Robishaw, and Gerda E. Breitwieser	Expression and Analysis of Human GPRC6A Variants
C-5 10:30	Christopher Hartman (PharmD Candidate), Lorraine Tusing (BA), Saritha Korukonda (MS) H. W. Wieder, and Eric Wright (PharmD/ MPH)	Community Perceptions Regarding Drug Disposal and Continuous Take-Back Programs
C-6 1:15	Yuxuan Huang, Dikendra Karki, and William Kyaw (Authors listed alphabetically to indicate equal contributions to the project)	Enabling Closed-Loop Control of Infusion in the Operating Room
C-7 10:30	Kelly A Kempa, Stephen T Petrosky, Laney K Jones (PharmD/MPH), Eric A Wright (PharmD/MPH), D'Andra M Lindbuchler (MSN, CRNP), Kandamurugu Manickam (MD), and Michael F Murray (MD)	Medication Use Prior to Genetic Identification of Familial Hypercholesterolemia
C-7 1:15	Zach Kozick, James Dove (BA), Marie Hunsinger (RN, BSHS), Jeffrey Wild (MD), Tania Arora (MD), Joseph Blansfield (MD), Mohsen Shabahang (Ph. D., MD)	Clinical Compliance With the Oncotype DX Breast Cancer Test in the United States: A National Cancer Data Base Analysis
C-9 10:30	Tianyi Lan, Andrew Merz, Mark Meyer, and Cora M. Taylor	Mapping Developmental Trajectories in 22q11.2 Deletion Syndrome
C-10 1:15	Madeline O. Minneci, Marissa W. Mitchel, and Abby E. Hare-Harris	Deviance Index Correlates With Quantitative Autistic Traits in Individuals With Reading Impairment
C-11 10:30	Kaitlyn Shultz	
C-12 1:15	Shana Wagner, Sarath Babu Krishnamurthy, Janet Robishaw, David J Carey, and Raghu Metpally	Genetic Variant Burden of Pharmacogenomic Genes from 51,289 Individuals Analyzed Through Whole Exome Sequences (WES) from Discover Study Cohort
C-13 10:30	Christopher Zhang, Heinric Williams, and Thomas Prince	Is Too Much 8q Bad for You? TCGA Analysis of the HSF1 Cancer Signature
C-14 1:15	Zemeng Zhou, Amy Wolaver	Analyze Diabetes Hospitalization Across Region in Pennsylvania with Impatient and Environmental Factors

Natural Sciences and Engineering

Location	Authors	Title
N-1 10:30	Brooke Bullek and Stephanie Garboski	The Comfort Quandary: Do People Really Trust Algorithms That Preserve Their Privacy Online?
N-2 1:15	Ryan Cadigan	Effective Theory for Domain Wall Melting
N-3 10:30	Yihe Chen	Indoor 3D Reconstruction with Google Project Tango
N-4 1:15	Bill Dugan	Security Concerns in Cloud Computing
N-5 10:30	Zilin Ma	Spreading of Waves in Disordered Media
N-6 1:15	Yilan Miao and Dr. Courtney Thomas	Creation of Clb2-YFP and Nap1-YFP to be Used With Elm1-CFP to Analyze Protein Interaction and Budding Yeast
N-7 10:30	Alvaro Montoya, Eric Gosslein, Peter Kerns, and T. Wade Johnson	Characterization of 1-amino-9,10-Anthraquinone in the A1 Site of PS I Complexes of the Plastoquinone-containing Mutants of <i>Synechocystis</i> sp. PCC 6803
N-8 1:15	Peter Lucas Nicolais and Mike DiDomenico	Using Wearables to Predict Dusceptibility to Implicit Biases
N-9 10:30	Courtney Pachucki	Ethical Agents: An Analysis of the Inadequacies of Top-Down Approaches
N-10 1:15	Samantha Salazar	Segmentation of the Left Ventricle using Isotropic 4D MRI
N-11 10:30	Jordan Sechler, Lane Harrison, and Evan M. Peck	Sightline: A Tool to Unify Interactive Visualizations on the Web
N-12 1:15	Bryan Semon	Harmonic Oscillations in the Central Star Planetary Nebulae NCG 6826
N-13 10:30	Sierra Magnotta, Anushikha Sharma, and Jingya Wu ; Course Tester: Brittany Caceres	A Student-Generated Curriculum for CSCI-187: Creative Computing and Society
N-14 1:15	Laura M. Sitler and Christopher P. Hallen	Whose Electrolytes Were These? A Water Quality Survey of the Towanda Creek Watershed, Bradford County, PA
N-15 10:30	Anton Soloviev and Toshiro Kubota	Machine Learning With Brain-Inspired Architecture
N-16 1:15	Andrew Steely, Ciara Whipp, Carl Faust, and John Huennekens	Spectroscopic Studies of the $4s^3\Pi$ Electronic State of the NaCs Molecule
N-17 10:30	Aviel Justice Stein	Application of Supervised Deep Learning to Hyperspectral Bathymetry Problem with TensorFlow
N-18 1:15	Daniel J Steinhauser	Quantification of the Spatial Extent and Water Quality Improvement Functions of Alluvial River Islands in the North Branch Susquehanna River Basin
N-19 10:30	Christiana Straub	Reconstruction with Flags: An Experiment in Computer Vision Using Tracking to Develop Three Dimensional Models
N-20 1:15	Yunyingying (Sarah) Xu	An Empirical Attack on Variants of Data Aggregation
N-21 10:30	Tongyu Yang	Using Deep Learning to Analyze Images That Have High Interest from Children with Autism

Social Sciences and Humanities

Location	Authors	Title
S-1 10:30	Walid Abourouaine	Foreign Aid and Education in Sub-Saharan Africa
S-2 1:15	Nicole Adams	A New Method of Thought for an Old House
S-3 10:30	Jayleen Alvarado and Michael Martin	The Millennial Agenda
S-4 1:15	Stanley Beck	Correlation Between Childhood Sexual Abuse (CSA) and Risk Behavior Among Adolescents
S-5 10:30	Patrick T. Berridge	Investigating the Adoption of Public Cloud Computing Services
S-6 1:15	W. Bordash and A. Wolaver	The Impact of Mean Income On Drug-Related Hospitalizations in Pennsylvania
S-7 10:30	Haley Brown	Tourists, Travelers, or Ambassadors?: How Participants in Antarctic Cruises Understand the Impacts of Their Travel
S-8 1:15	Stephanie Byers and Shiloh Erdley-Kass (DSW)	Perceptions of Students on the Value of Leadership in Social Work
S-9 10:30	Jacob \Daniel	Using Drupal to build CCROSS, The Center for Collaborative Research in Ottoman Sociolegal Studies
S-10 1:15	Emily DuBartell	Assessing the Relationship Between Child Sexual Assault and Obesity in Males
S-11 10:30	Amarachi Ekekwe	Black Women and Violence: Understanding Fear and Movement Amongst Black Women on Bucknell's Campus
S-12 1:15	Caroline Fassett	The War Effort as an Instiller of Purpose and Virtue
S-13 10:30	Justin Fickel	Is Emotional Intelligence a Better Predictor of Managerial Success than GPA or GMAT scores?
S-14 1:15	Tyler Greene	The Effects of Summer Camps on Youth Delinquency
S-15 10:30	Kelly Haggerty	Oral Histories of Ecological and Economic Change in Franklin City, and Greenbackville, Virginia
S-16 1:15	James Hamm	A Data Management Platform for Community Health Assessment and Data Collection
S-17 10:30	Reid Harrison	Community Distributed Solar Power
S-18 1:15	Elaine Huang and Jennifer K. Wagner	Barred from Better Medicine: Ethical and Regulatory Barriers to Inclusion of Prisoners in the Precision Medicine Initiative (PMI)
S-19 10:30	Ian Johnson	Exploring the SRAC: Preserving Native American Archaeology and Culture in Rural America
S-20 1:15	Sarah Karasek	Bizarro Fiction for a Bizarre World: Camp, Cult, Pastiche, and Punk
S-21 10:30	Elizabeth Miller	Deciphering Osama bin Laden's Radicalization Based on United States Actions, Policies and Presence 1990-2001
S-22 1:15	Nina Nevarez	Diffusion of the Arab Spring Movements Through Contagion and Demonstration
S-23 10:30	Professor Zhiqun Zhu and Jake Papa	Chinese Investments in Latin America: The Mexico Question
S-24 1:15	Harold Post Jr	History and Responsibility: Transforming a Historical Event into a Commercial Product

S-25 10:30	Rebecca Reeve	Feminism in the Archives: Packwood House Museum
S-26 1:15	Brook Reichenbach	Media-Framing: Revealing Donald Trump's Character through the Eyes of the Beholder(s)
S-27 10:30	Abigail Ruths	How Does Participation in Physical Education Class Differ Between Depressed and Non-Depressed Youth?
S-28 1:15	Catherine Scott	Parent-Infant Interactions during Motor Play: Implications for Developing Verb Comprehension
S-29 10:30	Ariel Senackerib	Dreaming of Asia: The Artwork of Edith Fetherston
S-30 1:15	Katie Starliper	1000 Words: Degrees of Relation Between the Written and the Visual
S-31 10:30	Lydia Stebbins	The Shift from Local Market to Supermarket in Mexico
S-32 1:15	Maggie Carlson and Louis Tobias	Dreamers: Immigrant Youth Fighting for Opportunity
S-33 10:30	Patsy VanDyke	Why Do People Cycle?
S-34 1:15	Patricha Williams and Madeline Galvez	Misdemeanor Crimes and Over-policing in Philadelphia
S-35 10:30	Elizabeth Wilkey and Patrick Newhart	A Geovisualization: 10,000 Years of Global Maize
S-36 1:15	Jessa M. Wood	Continual Assessment in the Writing Center
S-37 10:30	Sabrina Malagon and Stephanie	Early Verb Comprehension in Toddlers in Relation to Motor Development