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Session	<u>I: 10 –</u>	11:30am
Name(s) in Alphabet	ical Order	

Effects of Ten Day Zinc Sulfate and Denatonium Benzoate Exposure on Vomeronasal-

Optimization of Biomaterial Microenvironment for Motor Neuron Tissue Engineering

Determining the Effect of Site Directed Mutagenesis on sGC Activity via High Throughput

Assisting the City of Baltimore in Maintaining and Upgrading its Aging Water Distribution

Screening Small Molecule Ligands with the Core Encapsidation Signal of HIV-1 RNA as a

Electromagnetic Simulations of Metal Nanoparticles and Metal Nanoparticle Assemblies

Production of Human Pro-insulin using Escherichia Coli cell-free Expression System

Effect of Environmental sand coloring on reflectance of Neogonodactylus oerstedii

Investigating the Correlations between Spirituality, Stress, and Adjustment in Military

Increasing the Frequency of Homology Directed Repair After CRISPR Cas9-Induced DNA

The Effects of Pairing and Simulations on the Ability to Conduct Research

Trait Variation Within Seasonally and Geographically Distinct Communities

Maximizing Phosphorus Recovery from Chicken Litter in a Continuous Process

Using Historical Data for Retrospective Prediction of Rainfall

Olubukola Abiona, Natalie Harris

Olanike Awotunde, Jair Flores

Role of Phosphatase in Melanopsin Signaling

**OPVL: Improving Historical Source Analysis** 

Andrea Calderon, Margaret Talbot

Danielle Caldwell, Leah Voelkel, Klaire Williams

Examining the Effectiveness of Token Economies in Education

Improving Problem-Solving of Complex Mathematical Tasks

mediated Behavior

Elise Adamson

**Ephraim Alfa** 

Joshua Amason

Luciferase Assay

**Hannah Aris** 

Aakash Bajpai

Sapna Basappa

Kyle Belluomo

Potential Drug Target

**Garrett Bockmiller** 

Shayan Borhani

Taisha Bowman

**Kerria Burns** 

Anya Byrd

Couples

Cleavage Yan Cao

**Gabriela Canales** 

Network

Session I: 10	– 11:30am
Name(s) in Alphabetical Orde	er

Nicholas Carter, Andrew Soyka, Carol Zubrowksi, Joshua Shomo

Using Bayesian Analysis Relaxation Spectra to Analyze Peptide Based Hydrogels

Andros Island Vegetation Types: Habitat Usage Patterns of the Bahama Oriole

Assigning Phenotype Ontologies to Genetic Variants of Human Diseases

Improving Student Graphing Abilities by Modeling and Repetition

Exploring Somatic Stem Cell Maintenance Through Cross-Repression

Arguing Gooder: Facilitating Growth in Argumentative Essays

Understanding Induction of Suspended Animation in Zebrafish

Ancient Ottoman Art and Modern Islamic Culture

Inciting Success or Wasting One's Breath

Algebra Concepts at a Deeper Level

Polymerization is Required for UNC-45A Destabilization of Microtubules in Cancer Cells

Differences in Math Socialization between Native Chinese and U.S. Chinese Immigrant

Xenobiotic Exposure Induced Morphological Changes in the Main Olfactory Epithelium

Teacher-Child Relationships Predicting Development of Children of Single-Parent Families

A Machine Learning Approach to Lymphocyte Detection and Quantification in Tumor

Pollen Stratigraphy: A Simplified Methodology for Archeology and Environmental System

Executive Functioning Strategies: How do Children Think They Learn, and Does it Matter

Developing Conceptual Understanding through Problem Solving Helps Students Learn

BEDBOT: A Control Structure for the Piano Mattress Project

**Dennis Chacko** 

Nancy Chen, Felice Schwartz

Ann Cirincione, Kaylyn Clark

Geography: The World Around Us

Austin Gabel, Bryanna Canales

**Kevin Chen** 

Mothers

Jennifer Christhilf

Kritika Chugh

Amanda Conner

Matthew Davis

Michael Droboniku

Sylvia Edoigiawerie

Thomas Eliason

Samantha Furman

Histology

Castle Gushen

**Kaitlin Hanifee** 

LeTeasha Harrison

Rebecca Hill, Alex Lee

for Task Performance?

**Farah Jawhar** 

Session	<u>: 10</u>	<b>— 1</b>	1:30	)am
Namo(s) in Alphaheti	cal Ord	lar		

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	Session I: 10 – 11:30am
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Susannah Jones-Hochmuth

Michelle Katoski, Samantha Durbin

Kanwal Mahmood, Rachael M. Harrold

Rhythmic Dictation Student Learning Objective

Dual Glucose and Lactate Self-Powered Biosensor

Explicit Attitudes in a Psychology of Women Course

Engineering Caenorhobditis Elegans for Phototaxis

Non-Invasive Fiber Optic Biosensor for Detection of Glutamine

Diverse Sample of Young Adults

**Marcus Jordan** 

Melissa Lucero

Navaal Mahdi

Melissa Mahon

Haley Marcussen

Maureen McAllister

Naomi Mburu

Alicia Miller

Sylvia Min

Assembly

Studies

Sean Najmi

**Bailey Nance** 

Vanessa Nwaiwu

**Brian O'Connor** 

Kamsi Odinammadu

Chimdiya Onwukwe

Charge and Complement Activation

Faith and Feminism: How Christianity Informs Feminist Beliefs

Synthesis of Novel Water-Soluble Near Infrared Emitting BODIPY

Helina Lulseged, Samie Lawal, Farhad Mahmood

The Effect of Teaching Strategies to Derive Word Meanings

Validation of LiDAR Based Characterization of Overstory Tree Canopy in CERA

The Effect of the STEM Undergraduate Major on Medical School Admission

An Ethnographic Review of the Impact of the One Direction Fandom

Amphiphilic Chlorin-Bacteriochlorin Energy Transfer Arrays for Multicolor Imaging

Childhood Socioeconomic Status, Discrimination, and Mood in a Racially/Ethnically

The Effects of Mindfulness Meditation and Yoga on Anxiety in College Students

Understanding the Role of the Novel Histone Methyltransferase Set5 in Chromatin

Effect of Antibiotics on HeLa Cell Proliferation and Clustering of PFKL-mEGFP

Controlled Content Mixing of Small and Large Unilamellar Vesicles for Single Molecular

Structure-Activity Relationship of the Sugar Moieties in Flex 4-Methoxy Guanosine

Using Physiological Data to Explore the Relationship between Nanoparticle Surface

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Sunitha Pawar Investigating the Genetic Interaction Between CPR5, SIM, and SMR1	2
Ben Price Friends and Fictions: What's the Point?	19
<b>Brianna Richardson</b> YeastPhenome.org: Compilation and Analysis of Systematic Phenotypic Surveys of the Yeast Deletion Collection	22
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Iman Said, Wouhib Tamrat, Lorraine Dell'Acqua, Jonah Kracke-Bock, Viet Quoc Dang, Emily Tillett The Impact of Religious Identity and Religious Practices on Behavioral Measures of Self Control	12
Rima Sakhawala Investigating RLS1 Localization and the Evolutionary Origins of Cellular Differentiation	18
Allison Sanphillipo Functional Significance of Universal S2 (US2) Phosphorylation During Translation	55
Justin Santos Structural Determination of Selenomethionine- labeled HSLU	14

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Ryan Scalsky

**Carly Sciandra** 

**Aarti Shah** 

**Savannah Steinly** 

Ange Lydie Tchouga

Valerie Sebald-Morrisson

Sociodemographic Patterns of Thyroid Function in Euthyroid Adults

Structure and Mechanism of an RNA Thermosensor

Expanding Musical Understanding Through Vocabulary

Synthesis of Flexible GS-5734 for Potential Anti-Viral Effects

Direct and Indirect Photolysis of Organometallic Compounds

Anteriority of Tongue Position After Glossectomy Surgery

Duy Tang, Jonathan McGee, Ryan Jose

Inductive Charging Equipment (ICE)

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Nicholas Vaccaro Detection of Specific Single Soft Particles Binding to E-AB Sensors in Real Time	3
<b>Eudorah Vital</b> The Role of the Neogenin Intracellular Domain (Neo-ICD) in Neurulation	21
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Klaire Williams The Effects of Guided Notes on Quiz Performance of College-Age Students with Intellectual Disabilities	35
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Yadikaer Yasheng, Wil Hromek, Tae Song, Patrick McCarthy Warlock War: Multiplayer Online Battle Arena	83
Jason Young The Unique Myristoylation Signal of the Feline Immunodeficiency Virus Matrix Protein	47
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