2020 DEANS’ SUMMER RESEARCH FELLOWS

Autumn Barnes
*Perspectives on Genomics Research and Curative Therapies for Sickle Cell Disease in Uganda*

Bailey Bogle
*Sylvia Plath and Anne Sexton's Confessional Poetry: A Comparative Study*

Noelia Boldizsar
*The Role of Receptor Phosphorylation in G Protein-Coupled Receptor Signaling*

Elizabeth (Lizzie) Bond
"That Duty We Owe": Female Puritan Voices and Contractarian Ideas in Civil War-Era England and its Colonies

Annalise Bracher
*Investigating the role of localized non-muscle myosin 10 in radial glial cell endfeet morphology*

Emma Bucklan
*Using ubiquitin-induced fluorescence complementation to measure K63-linked ubiquitination in vivo*

Andrew Carlins
*Treatment of Jewish Refugees Under the Franco and Vargas Regimes During WWII*

Eric Chang
*Examining Bournonite as a Semiconductor for Energy and Optoelectronic Applications*

Allan Chen
*Identifying novel genetic variants in MERTK-related genes associated with non-small cell lung cancer survival*
David Chen
*Endogenous Expression and Regulation of Basement Membrane Tissue Integrity, Maintenance, and Regeneration in Long-lived C. Elegans*

Anne Crabill
*Investigating the Impact of Social Media on Vaccine Hesitancy and Uptake*

Madeleine Gagné
*Mathematically Applied Strategy Research Exposure Project*

Eleanor George
*Gray Matter Volume Differences in Mesolimbic Structures Contributing to Connectivity of this Circuit in Individuals with Attention Deficit Hyperactivity Disorder.*

Meghana Giri
*Investigating the Role of Actomyosin and Mechanosensing Complexes in Zebrafish Notochord Segmentation*

Bing Xuan Ho
*Characterizing Heart Transcriptome Codon Usage Bias for Orthogonal Gene Therapeutic Approaches in Heart Failure*

Christopher Honeycutt
*Biased Agonism at CXCR3 Drives Differential Response to Oxidative Stress through BACH1*

Naeema Hopkins-Kotb
*Characterizing Mechanisms of Human Dicentric and Deleted X Chromosome Stabilization*

Haley Hutchinson
*Identification and Characterization of Novel Cis-Regulatory Elements Impacting PTEN Expression*

Margret Joos
*Rational design of combination therapies towards overcoming resistance in acute myeloid leukemia*

Anna Kasradze
*Diagnosing Literary Aesthetics: Romanticization of Depression and Rejection of Treatment in Contemporary British and Russian Novels*
Daniel Kim
The Hollywood Asian - A Study of Asian Americans in Film & Television in the Early to Mid-20th Century

Caitlin Lamb
Role of SEC24D O-GlcNAcylation in COPII Cargo Secretion

Pin-Chian (Cathy) Lee
Block Hypergeometric Priors for Bayesian Variable Selection in Linear Models

Symon Ma
Molecular Basis for Beta-Arrestin Mediated Signalling through the MAPK Pathway

Alexandra (Lexy) Markunas
Lentiviral Delivery of Optogenetic Voltage Indicator to Examine Cardiac Repolarization
Abnormalities Associated with Variant in TBX5 Gene

Charles (Griffin) McDaniel
Development of the Coagulation System in Infants and Neonates: A Study on Post-Translational Modifications to Clotting Factors

Noah Michaud
Visions of Africa in Renaissance Venice

Ellen Mines
Exploring Plasma Biomarkers of Sudden Infant Death Syndrome

Anwulika Okonjo
When I Call Myself a Feminist: Comparative Ideological Approaches to Women's Rights and Social Change in Nigeria

Priya Parkash
Motivations for the Pursuit of STEM amongst U.S.-bound Kenyan Students : A case-study of students enrolled in college access programs like KenSAP

Mihir Patel
Investigating ATM regulation of cohesin regulatory proteins NIPBL and WAPL during DNA repair
Stefanie Pousoulides  
*Women in the Armenian Genocide: The Legal and Humanitarian Response of the League of Nations (1919-1939)*

Tatayana Richardson  
*What Happens in the Pulpit: How Privileging Black Theological Narratives Could Change the Church*

Riccardo Romersi  
*Unfolding a Pathway: How Mesencephalic Astrocyte-Derived Neurotrophic Factor (MANF) Prevents Neurodegeneration*

Omolola Sanusi  
*The college experience as a site of self creation: Post-Colonial reflection of the narrative of self and self-hood within the present day United States college experience*

Ryan Sellers  
*Loss of DDR-2's Effect on B-LINK Components in C. elegans*

Alizeh Sheikh  
*Sex differences in steroid levels in the blue-eyed black lemur (Eulemur macaco flavifrons): Implications for aggressive maintenance of female dominance*

Lydia Smeltz  
*Evaluating Help Desk: Utility and Accessibility for Patients with Disabilities*

Alan Su  
*Characterizing Genomic Elements Modulating Mechanosensitive Changes in Myosin-IIA Gene Expression*

Christine Suh  
*Synthesis and Assessment of a Prochelator as a Strategy to Selectively Inhibit Metallo-β-Lactamase*

Wendy Tan  
*Investigating the expression and regulation of the transcription factor ETV1 in parvalbumin-expressing GABAergic interneurons of the nucleus accumbens*
Mishek Thapa
Genetic and Computational Analysis of Retinitis Pigmentosa

Michael Tran
Elucidating the Role of Host AQP3 and Transcription Factors During the Liver Stage of Apicomplexan Infection

Miranda Wolford
Financing Francophone Africa: Evaluating Gender Representation in the Senegalese Technological Revolution

Shitong Wu
Fluid Shear Stress Regulation of Caskin2

Shuyun Xiao
Characterizing extended amygdala neurons involved in mammalian vocalization circuit

Jason Zhang
Microglia and Dopamine Signaling in Autism Spectrum Disorders