2023 Deans’ Summer Research Fellows

Advika Kumar  
*Mechanisms of Crystalline Silica Modulated Autoimmunity in the BXSB Male Murine Lupus Model*  
Mentor: Mary Foster

Amiya Mehrotra  
*Higher Education as a Vessel of Democracy: How Higher Education Institutions Can Promote Political Participation in their Programming*  
Mentor: Deondra Rose

Andrew McCallum  
*Museums, Memory, and Migration in Paraguay*  
Mentor: Christine Folch

Andrew Shi  
*The Alterity of Narratives: the Leftist Intellectual Discourse of the Maoist Past and Its Rupture in metastasis*  
Mentor: Rey Chow

Angie Xie  
*Influence of induced mood and cognitive mode on the specificity of autobiographical and episodic memories*  
Mentor: Kevin LaBar

Ann Chang  
*Investigating the tissue-specificity of spastin dysfunction in Drosophila using CRISPR/CAS9*  
Mentor: Nina Sherwood

Annie Cui  
*A Departure from the Excellent Sheep? An Investigation of the Effect of COVID-19 on Undergraduate Students’ Selection of Major and Job*  
Mentor: Nick Carnes

Anya Gupta  
*Hydration Melting in Olivine-Bearing Zone I of the Stillwater Complex, Montana*  
Mentor: Alan Boudreau

Arnav Barve  
*Prediction of Postpartum Readmission in Nulliparous Women*  
Mentor: Osondu Ogbuoji
Ben Koch
*Deleuze and Mathematics: Towards a Rigorous Rhizome*
Mentor: Anne Garréta

Cai Liu
*Value Match in Peer Support: Improving the Effectiveness and Cultural Sensitivity of DukeLine*
Mentor: Nancy Zucker

Christina Wang
*What Americans Think Democracy Means*
Mentor: Nicholas Carnes

Davidson Zhu
*Efficient two-pairs connectivity augmentation algorithm*
Mentor: Debmalya Panigrahi

Durga Sreenivasan
*The Case for Equitable Reparations to Postcolonial India*
Mentor: Genna Miller

Eliza Goldstein
*Culture and Self Perception*
Mentor: Cristina Salvador

Elizabeth Boger
*Identifying and Characterizing Inhibitors of Plasmodium Heat Shock Protein 70*
Mentor: Emily Derbyshire

Emily Sandberg
*Longitudinal development of service dog cognition*
Mentor: Brian Hare

Emma Podol
*The Contribution of Nrg1/ErbB4 Signaling to the Homeostatic Effects of Seizures in Epileptic Models*
Mentor: James McNamara

Grace Sorensen
*Identifying Novel Interactors of UFL1 During Flavivirus Infection*
Mentor: Stacy Horner
Huiyin Zhou
*Nowhere/NowHere: Chinese diasporic feminism(s), proximity, and political translation*
Mentor: Ralph Litzinger

Jason Liang-Lin
*Small Molecule Allosteric Inhibitors of β-arrestin and Their Potency on T-cell Activation*
Mentor: Alem Kahsai

Jayden Cyrus
*Exploring a role for the engulfment receptor Draper in AD-HSP*
Mentor: Nina Sherwood

Julia Davis
*Exploring Parental Engagement in Family Connects*
Mentor: Kenneth Dodge

Kashyap Sreeram
*Investigating the Relationship Between LRRK2 Phosphorylation Events Enhanced in Parkinson’s Disease*
Mentor: Andrew West

Katheryn Turner
*Language Policy on Mauritius Creole: Through the Lens of Primary School Educators*
Mentor: Deonte Harris

Lila Taylor
*The effect of drugs that more effectively target slow proliferating cells on ovarian cancer recurrence*
Mentor: Zhiqing Huang

Miranda Zhong
*dCas13-synIDP RNPG: developing a new tool for RNA transcripts*
Mentor: Ashutosh Chilkoti

Rebecca Liu
*Investigating the effects of dietary restriction on maternal provisioning in nematode P. pacificus*
Mentor: Ryan Baugh

Rodricka Robinson
*Medical Mistrust in Black New Orleans*
Mentor: Katya Wesolowski
Rose Naderi
Social Influences on Children’s Exploration Behavior
Mentor: Sarah Gaither

Samantha Kefer
Comparative study of dog and lemur temperament and self-control
Mentor: Brian Hare

Sarah Yoon
Children’s Collaboration with Robots
Mentor: Tamar Kushnir

Satya Yalamanchi
Determining the Impact of Aging on Gene Expression Regulated by Codon Bias in Animal Models
Mentor: Zahra Kabiri

Shreya Goel
Determining the Role of DNA Damage Response and Repair Mechanisms in the Progression of LRRK2 G2019S Induced Parkinson’s Disease
Mentor: Laurie Sanders

Surya Cannon
Cultural preconceptions and environmental realities
Mentor: Paul Jaskot

Taylor Glatt
Provider Perspective on Barriers to Healthcare Accessibility For Refugees in Durham, NC
Mentor: Sherryl Broverman

Taylor Nguyen
Inducing synthetic lethality of Group 3/4 medulloblastoma using MYC-driven hypertranscriptional activity and BET inhibition
Mentor: Scott Floyd

Tianfang Yu
Optimization and Characterization of in-vitro 3D Cardiovascular Model
Mentor: Sharon Gerecht

Veronica Sanjurjo
Contraception Deserts
Mentor: Candis Watts-Smith

Zoe Murphy
The French Integration Project
Mentor: Catherine Mathers