The University of Pennsylvania’s Center for Undergraduate Research and Fellowships is the University’s hub for undergraduate student research, as well as the launch pad for Penn students seeking to apply for nationally competitive scholarships and fellowships.
Welcome to CURF’s Research Expo!
Over 400 undergraduate researchers are eager to share their research with you. We hope you enjoy learning about the array of opportunities embraced by undergraduates at one of the world’s leading research universities.
Interested in getting involved in research and/or fellowships at Penn?

Visit us at curf.upenn.edu for more information about individual advising and peer support opportunities

Information Sessions and Workshops

Getting Started in Research
“How to” for specific fields of research
Getting to Know Faculty
Research Skills Series
Social Impact Research
Fellowships 101 Information Sessions
Fellowships 201 Information Sessions
Fulbright Scholarship Information Sessions
Graduate Study in the United Kingdom
Pursuing International Summer Fellowship Opportunities
CURF Programs and Academic Initiatives

The President’s Engagement Prize (PEP) supports students with financial support for both living and project expenses to develop and implement a promising local, national, or global initiative.

The President’s Innovation Prize (PIP) provides living and project expenses to envision and implement an innovative commercial venture to make a positive difference in the world.

The Penn Undergraduate Research Mentoring Program (PURM) matches students with faculty researchers from across all twelve schools.

The Summer Humanities Internship Program (SHIP) provides students with apprentice positions in a cultural, historical, or archival setting.

Jumpstart for Juniors provides students the opportunity to gain invaluable investigative skills in the summer after their junior year.

The University Scholars Program provides support for in-depth research during their undergraduate career.

The Benjamin Franklin Scholars Program offers intellectually stimulating small seminars and many more!
Class of ’49 on 2nd floor of Houston Hall

HH 2nd floor lobby

stage
Poster Locations by Room

Hall of Flags, First Floor (Posters 1-112) ...................11
Hall of Flags, 2nd Floor (Posters 113-147)...............17
Bistro (Posters 148-177) .........................................19
Reading Room (Posters 178-207) .............................21
Bodek Lounge (Posters 208-309) .............................23
Houston Hall 2nd floor Lobby (Posters 310-333) ......28
Class of ’49 (Posters 334-381) ...............................30
1. Amara Abdoulkarim (COL 2026)  
Charissa Howard (COL 2026)  
Advisor: Dorothy Roberts  
The Social Experience and Science of Interracial Marriage in Chicago, 1937 - 1967

2. Zion Abebe (COL 2026)  
Amelia Becerra (COL 2026)  
Advisor: Harald Schmidt  
The Uses and Applications of the Area Deprivation Index

3. Ethan Abraham (COL 2024)  
Advisor: Abraham Nitzan  
Enrichment of Chiral Vibrational Modes in Chiral Structures

4. Kehinde Adeaga (COL 2026)  
Advisor: Maria Geffen  
Understanding Adaptation to Single-Sided Hearing Loss

5. Ololade Adebayo (COL 2025)  
Advisor: Adeyinka Dayo  
Trends Between Medial Arterial Calcification and Hypercholesterolemia

6. Olakanmi Adio (COL 2026)  
Advisor: Victoria Vetter  
Relationship Between Economic Disparities and Schools AED Availability in the Most Populated Cities of the Six Regions of PA

7. Celine Adomakoh (COL 2026)  
Advisor: Daniel Beiting  
Identification of Metagenomic Determinants of Disease Severity in Children from the Pneumonia Etiology Research for Child Health (PERCH) Study

8. Hannah Agarwal (COL 2026)  
Krishna Khawani (COL 2026)  
Advisor: Paul Robinson  
Red Code, Blue Code: The Impact of a State’s Political Orientation on its Criminal Law

9. Aleena Alex (COL 2024)  
Advisor: Vikram Paralkar  
Investigating PHF6-ePHD2 Missense Mutations in THP1 Leukemia Cell Line

10. Andrea An (SEAS 2025)  
Advisor: Katherine Uyhazi  
Developing an in-vitro Model of Gyrate Atrophy for Gene Therapy

11. Riya Anand (COL 2026)  
Advisor: Steven Kimbrough  
Public Deliberation on Climate Transitions & Well-Being: Climate Action & Social Resilience

12. Nicholas Angellino (COL 2025)  
Raj Logue (COL 2025)  
Yamin Phyu Phyu (COL 2025)  
Advisor: Marc Flandreau  
Broker Bankruptcies in the London Stock Exchange during the 1820s

13. Zida Anyachebelu (COL 2025)  
Cassandra Owei (COL 2025)  
Advisor: Renyu Liu  
Stroke Health Care Assessment Nigeria

14. Paavani Arora (COL 2026)  
Advisor: Erik Wibbels  
Advancing Land and Conservation: Evaluations and Impacts across Zambia, Uganda, and Burkina Faso

15. Laura Baeyens (COL 2024)  
Advisor: Tobias Baumgart  
The Role of Protein Condensates in Actin Polymerization During Lamellipodia & Creating a Novel Protein Construct for Improved In Vitro Study

16. Rhea Bakshi (COL 2024)  
Advisor: Ellen Pure  
Impact of Targeted Inhibition of TGFβ Receptor on TGFβ-induced Fibroblast Differentiation and Matrix Remodeling

17. Rokibat Bamidele (COL 2025)  
Advisor: Matthew Kayser  
Using Drosophila to Study Alcohol Use Disorder (AUD) from Human GWAS

18. Khushal Bantu (COL 2026)  
Advisor: Jianghong Liu  
A Prenatal Study Across 3 Cohorts

19. Harish Bayana (COL 2024)  
Advisor: Christopher Lengner  
CRISPR-Based Lineage Tracing Reveals Dependence of Tumor Metastatic Potential on Epithelial-Mesenchymal Transition
20. Claudia Bellacosa (COL 2025)  
   Tyler Trang (COL 2026)  
   Advisor: Paula Fomby  

21. Alondra Betancourt (COL 2026)  
   Advisor: Emily Severance  
   Investigating Biomarkers of the Gut-Brain Axis and Children’s Mental Health in a Post-COVID-19 Urban Clinic

22. Anirudh Bharadwaj (SEAS 2026)  
   Advisor: Dylan Rankin  
   A Machine Learning-Based Approach to Anomaly Detection in pp Collisions at the LHC

23. Trisha Bheemanathini (COL 2026)  
   Advisor: Christopher Forrest  
   Functional Outcomes of Children After SARS-CoV-2 Infection

24. Glynn Boltman (COL 2026)  
   Advisor: Brendan O’Leary  
   Divisions and Decisions: The Democratic Unionist Party

25. Inthat Boonpongmanee (COL 2023)  
   Advisor: Florian Schwarz  
   Verbal and Non-verbal Dual Task Interference Effect on Some Scalar Implicatures

26. Graham Branscom (COL 2024)  
   Advisor: Sharlene Day  
   HSP70 Co-Chaperones Modulate Sarcomeric Proteostasis in Hypertrophic Cardiomyopathy

27. Lily Brenner (SEAS 2026)  
   Advisor: Cynthia Sung  
   Developing a Simulation for Re-Programmable Magnetically Self-Folding Origami Structures

28. Jake Brewington (COL 2026)  
   Advisor: Frank Lee  
   Morphological Alterations in Placentas with HIF Activation

29. Maxfield Brody (COL 2026)  
   Advisor: Harald Schmidt  
   Potential Uses of the Social Vulnerability Index

30. Pierce Bruner (COL 2026)  
   Advisor: Paul Schmidt  
   Fecundity and Population as Measures of Fitness in D. melanogaster

31. Kevin Bryan (COL 2024)  
   Advisor: Jang Yoon  
   Large Language Model-Based Neurosurgical Evaluation Matrix: A Novel Scoring Criteria to Assess the Efficacy of ChatGPT as an Educational Tool in Neurosurgical Education

32. Alexander Budko (SEAS 2026)  
   Katrina Liu (SEAS 2025)  
   Advisor: Kevin Johnson  
   GPT-4 Prompt Engineering For Automated Patient Response Generation

33. Noah Budnitz (WH 2026)  
   Rishabh Mandayam (COL 2025)  
   Advisor: David Abrams  
   Law and Large Language Models

34. Camellia Bui (COL 2025)  
   Advisor: Emily Becker-Haimes  
   Integrating Exposure Therapy into Training to Reduce Clinician Anxiety in Implementing Evidence-based Suicide Prevention Practices

35. Grace Busser (COL 2025)  
   Ivanna Dudych (COL 2026)  
   Anna Metzger (COL 2025)  
   Advisor: Franca Trubiano  
   Building at Risk

36. Charles Cameron (COL 2024)  
   Advisor: Amos Smith III  
   Synthesis of Modified CD4 Mimetic Compounds

37. Trenton Campos (SEAS 2026)  
   Greggory Datto (SEAS 2026)  
   Andy Liu (SEAS 2026)  
   Advisor: Chamith Rajapakse  
   Polycaprolactone and Hydroxyapatite Bioprinting without Using Solvents and its Applications

38. Sergio Emilio Carballido (COL 2026)  
   Erika Kishino (COL 2026)  
   Advisor: Jolyon Thomas  
   Religion and the Politics of Public Education in Japan and the U.S.
39. Natalie Chang (COL 2026)  
   Advisor: Kate Creasy  
   Effect of PPP1R3B Deletion on Circadian Gene Expression in Microglia and Neurons

40. Sam Charney (COL 2024)  
   Advisor: Bhuvnesh Jain  
   An Analytic Model for Galaxy Cluster Shocks

41. Caroline Chen (SEAS 2026)  
   Advisor: Lu Lu  
   Physics-Informed Machine Learning for Solving Differential Equations

42. Jason Chen (COL 2024)  
   Advisor: David Raizen  
   Analysis of Two Neurons Underlying Sickness Sleep Behavior in C. Elegans

43. Mengxiang Chen (COL 2024)  
   Advisor: Katherine Theken  
   Effect of Adipokines on Post-Dental Implant Inflammation Levels

44. Michael Chen (WH 2026)  
   Evelyn Huang (WH 2026)  
   Advisor: Maurice Schweitzer  
   Communication: Mechanics of Conversation

45. Stephanie Chen (COL 2024)  
   Advisor: Thomas Tropea  
   Predicting Impulsivity in Parkinson’s Disease: A Descriptive Analysis

46. Winston Chen (COL 2026)  
   Advisor: Irina Marinov  
   Variations in Susceptibility of Lakes to Climate Change Analyzed through the SimStrat Model

47. Melody Cheng (COL 2025)  
   Advisor: Ethan Goldberg  
   Temperature-Dependent Impairment of Interneuron Physiology in a Mouse Model of Febrile Seizures

48. Monica Cho (SEAS 2026)  
   Advisor: Juan Alvarez  
   Effect of Clock Gene Knockout on the Differentiation and Maturation of Human Pluripotent Stem Cells into Pancreatic Islets

49. Angela Chow (NUR 2024)  
   Advisor: Tito Borner  
   Examination of the Emetogenic Properties of Tirzepatide and the Therapeutic Potential of GIPR/GLP-1R Co-Agonism

50. Jinny Chung (COL 2026)  
   Advisor: Sigrid Veasey  
   Effects of Chronic Sleep Disruption on Hippocampal Tau and Locus Coeruleus Projections

51. Megan Chung (COL 2024)  
   Advisor: Michael Lampson  
   Determining if MCAK Activation by UM857 Depolymerizes Kinetochore-Microtubules

52. Makayla Clark (COL 2025)  
   Advisor: Chamith Rajapakse  
   Quantification of MRI Images for Patients with HEPATITIS C

53. Benjamin Cohen (COL 2025)  
   Meredith Devine (COL 2025)  
   Advisor: Claire Finkelstein  
   Beyond Guantánamo: Restoring the Rule of Law to the Law of War

54. Meheer Commuri (COL 2025)  
   Advisor: Ramya Sreenivasan  
   Mapping Early Modern India

55. Moira Connell (COL 2026)  
   Vishal Krishnaiah (COL 2026)  
   Advisor: Melissa Lee  
   International State-Building in Post-WWII Japan

56. Isabela Contreras (COL 2026)  
   Advisor: Kara Bernstein  
   A Novel Interaction Between the Shu Complex and the MCM Complex Mediates DNA Lesion Bypass During DNA Replication

57. Haley Creighton (COL 2026)  
   Advisor: Amy Stornaiuolo  
   How Does Queerness Intersect with Fandom Bonding in a Discord Youth Writing Community?

58. Siri Dandu (SEAS 2026)  
   Prishna Martinez (COL 2025)  
   Advisor: Erica Carpenter  
   Cross-Validation of 2022 and 2023 Cohorts of Cell-free DNA Methylation as a Biomarker of Malignant vs. Benign Lung Nodules

59. Caroline Dannacher (COL 2025)  
   Advisor: Ana Cristancho  
   Effects of Prenatal Hypoxia on Neuronal Migration
<table>
<thead>
<tr>
<th>No.</th>
<th>Student Name</th>
<th>College Year</th>
<th>Advisor(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>Anmol Dash (COL 2026)</td>
<td></td>
<td>Andrew Modzelewski</td>
<td>Role of the IAP Gag Retrotransposon in Mouse Embryonic Development</td>
</tr>
<tr>
<td>61</td>
<td>Roshni Datta (COL 2026)</td>
<td></td>
<td>Victoria Bedell</td>
<td>Effects of Anesthetics on Mitochondrial Delocalization in Zebrafish Neurons</td>
</tr>
<tr>
<td>62</td>
<td>Parth Dedhiya (COL 2026)</td>
<td></td>
<td>Kate Townsend Creasy</td>
<td>Effects of PPP1R3B on Hepatocytic Circadian Gene Expression</td>
</tr>
<tr>
<td>63</td>
<td>Klarissa Diaz (COL 2026)</td>
<td></td>
<td>Sunny Shin</td>
<td>Comparing Non-Canonical Inflammasome Activation between Humans and Mice: Exploring the Differences</td>
</tr>
<tr>
<td>64</td>
<td>Amy Dinh (COL 2025)</td>
<td></td>
<td>Mantha Zarmakoupi</td>
<td>Understanding Geometry in the Construction of the Bouleuterion</td>
</tr>
<tr>
<td>65</td>
<td>Cynthia Dong (SEAS 2026)</td>
<td>Tony Le (COL 2025)</td>
<td>Anh Le</td>
<td>Inhibition of Axonal Degeneration Using SARM-1 siRNA Loaded Lipid Nanoparticles</td>
</tr>
<tr>
<td>66</td>
<td>Anya Draves (COL 2026)</td>
<td></td>
<td>Elliot Lipeles</td>
<td>Search Into Dark Matter by Investigating Jets Produced in Proton Collisions</td>
</tr>
<tr>
<td>67</td>
<td>Arda Enfiyeci (SEAS 2025)</td>
<td></td>
<td>Erik Wibbels</td>
<td>Using Data Analysis and Machine Learning for Political Science Research</td>
</tr>
<tr>
<td>68</td>
<td>Aylin Ergin (COL 2025)</td>
<td></td>
<td>David Raizen</td>
<td>Mutations in ceh-17 and Its Effect on Sickness Induced Sleep in C. elegans</td>
</tr>
<tr>
<td>69</td>
<td>Jake Fanale (SEAS 2026)</td>
<td></td>
<td>Wanding Zhou</td>
<td>Developing a Comprehensive R/Bioconductor Package for DNA Methylation-based Human Cancer Classification and Phenotyping</td>
</tr>
<tr>
<td>70</td>
<td>Lucy Fekade (COL 2025)</td>
<td>Logan Fleming (COL 2025)</td>
<td>Daniel Swingley</td>
<td>Onset Coda Judgements of African American Mothers in Infant Directed Speech</td>
</tr>
<tr>
<td>71</td>
<td>Felipe Flores Cruz (COL 2026)</td>
<td>Eric Ryu (COL 2026)</td>
<td>William Ewald</td>
<td>Justice James Wilson Biography</td>
</tr>
<tr>
<td>72</td>
<td>Xiyan Fu (COL, WH 2026)</td>
<td></td>
<td>Cary Coglianese</td>
<td>Regulation and Regulatory Processes: Cataloging the Use of AI/ML Tools in the Federal Government</td>
</tr>
<tr>
<td>73</td>
<td>Rohan Gala (WH 2026)</td>
<td>Adam Gorka (SEAS 2025)</td>
<td>Sandhitsu Das</td>
<td>Quality Control and Topological Analysis of MRI Segmentation Data</td>
</tr>
<tr>
<td>74</td>
<td>Om Gandhi (COL, SEAS 2025)</td>
<td></td>
<td>Michael Hogarty</td>
<td>Investigating Dual Polyamine Synthesis Inhibition and Proline-Arginine Depletion Therapy in TH-MYC+ Mice with Neuroblastoma</td>
</tr>
<tr>
<td>75</td>
<td>Phillip Gao (SEAS 2026)</td>
<td></td>
<td>Yasmin Kafai</td>
<td>Exploring Youth’s Everyday Perception of Chat GPT</td>
</tr>
<tr>
<td>76</td>
<td>Nahu Gebregiorgis (SEAS 2026)</td>
<td></td>
<td>Joel Stein</td>
<td>Epilepsy Quantitative Imaging and Electrophysiology Lab</td>
</tr>
<tr>
<td>77</td>
<td>Joshua George (COL 2025)</td>
<td></td>
<td>Evelyn Thomson</td>
<td>Chargino Pair RPV Decay to Higgs Boson and Leptonic Tau</td>
</tr>
<tr>
<td>78</td>
<td>Miraya Gesheva (COL 2026)</td>
<td>Teia Hudson (COL 2026)</td>
<td>Juan Llamas-Rodriguez</td>
<td>Netflix in Mexico: A 10-year Assessment</td>
</tr>
<tr>
<td>79</td>
<td>Katie Gilbert (COL 2024)</td>
<td>Naomi Phemister-Jimenez (COL 2024)</td>
<td>Daniel Beiting</td>
<td>Presence of Bacteria and Antibiotic Resistance in Water Sites on San Cristóbal Island</td>
</tr>
</tbody>
</table>
80. Jasleen Gill (COL 2024)  
Advisors: Rahul Kohli  
*Interrogating Mechanism to Design Efficient CRISPR-Cas12a Editors*

81. Jacob Goell (SEAS 2025)  
Advisor: Robert Carpick  
*Graphene Auto-Kirigami: Forming 3D Structures Through Atomic Force Cutting*

82. Iris Gong (COL 2026)  
Advisors: Foteini Mourkioti  
*Inhibition of NF-kB Pathway in MuSCs Impairs Muscle Regeneration*

83. Joy Gong (COL 2025)  
Advisors: Anna Schapiro  
*A Meta-Learned Neural Network Model of the Hippocampus with Brain-like Hierarchically-Structured Sparsity and Learning Rate Patterns*

84. Michelle Gong (COL 2025)  
Advisors: Alexander Proekt  
*Subanesthetic Ketamine and Propofol Reduce Amplitude of Auditory-evoked ERPs in Humans*

85. Eva Gonzalez-Whitehouse (COL 2026)  
Advisors: Chamith Rajapakse  
*Automated 3D Segmentation for Lumbar Spines and Femurs for Augmented Reality*

86. Luke Gooding (COL 2024)  
Advisors: Eric Grimes  
*Transition between Primary and Secondary Education in Trinidad and Tobago: The Concordat and The Privilege Problem*

87. Miette Gourlay (COL 2025)  
Dara Jih-Cook (COL 2026)  
Advisors: Jacqueline Corcoran  
*Depression Prevalence Among US Women on Welfare: A Systematic Review & Meta-Analysis*

88. Aditya Gowd (SEAS 2025)  
Advisors: Kathryn Davis  
*Analyzing Harmonization Strategies for Functional Connectivity Data*

89. Evan Grove (SEAS 2026)  
Cassidy Schuman (SEAS 2026)  
Advisors: Ali Nabavizadeh  
*Pediatric Automatic Defacing*

90. Isabelle Gu (WH 2026)  
Advisors: Yasmin Kafai  
*Investigating Youth’s Understanding of ML/AI Using Cultural Probes*

91. Millie Gu (WH 2026)  
Advisors: Duncan Watts  
*Optimizing Tools to Facilitate Deliberation Research*

92. Rohana Gullapalli (COL, WH 2025)  
Advisors: Yijing Su  
*Hippocampal Aging Clock*

93. Sagar Gupta (COL 2023)  
Advisors: Nikolaos Sgourakis  
*Structural Principles of Peptide-Centric Chimeric Antigen Receptor Recognition Guide Therapeutic Expansion*

94. Shikhar Gupta (COL 2026)  
Advisors: Ana Cristancho  
*Regulation of Lactate and Protein Lactylation by Prenatal Hypoxia*

95. Dedeepya Guthikonda (COL, WH 2026)  
Advisors: Sade Bonilla  
*How Effective are Last-Dollar Scholarship Programs in Providing Aid to Qualifying Students?*

96. Maricela Guzman (COL 2026)  
Advisors: George Burslem  
*Towards in vitro, Site Specific Polyubiquitinated Proteins*

97. Yixin Gwee (WH 2025)  
Advisors: Daniel Garrett  
*Investigating the Green and Social Premium in the Pricing of Bonds Issued by Multilateral Development Banks (MDBs)*

98. Ahmad Hammo (SEAS 2025)  
Advisors: Joseph Cichon  
*Exploring the Therapeutic Potential of Psilocybin in a Mouse Model of Neuropathic Pain with Comorbid Depression-like State*

99. Alan Han (COL 2026)  
Advisors: Gregory Corder  
*Mapping Brain Circuitry For Pain’s Affective Component: Projection from Basolateral Amygdala to Nucleus Accumbens*
100. Beatrice Han (COL 2025)  
   Advisor: Juan Alvarez  
   Optimizing Cytokine Cocktails in Pancreatic Islet Organoids to Investigate Maturation-Related Vulnerability to Demise from Pancreatic Islet-Directed Autoimmunity

101. Joy Han (COL 2026)  
   Advisor: Andrew Edmondson  
   Glycosylation Characterization of SLC35A2-CDG & SLC39A8-CDG Patient Fibroblast Cells Utilizing Lectins

102. Stephanie Hanchak (COL 2025)  
   Advisor: Edward Brodkin  
   Reciprocal Relation Between Social Anxiety and Social Functioning in Autistic Adults

103. Leilei Hao (COL 2024)  
   Advisor: Franz Weber  
   BiLSTM-FC: A Deep Learning Model for Automatic Sleep Stage Classification in Mice

104. Jordyn Harris (SEAS 2025)  
   Advisor: Michelle Johnson  
   Machine Learning Analyzations of Infant Limb Motion Using the PANDA Gym

105. Stefan Hatch (COL 2026)  
   Advisor: Sara Jaffee  
   Qualitative Interviews for Participants in the PHL Housing+ Project

106. Madeline Hatola (COL 2026)  
   Advisor: Victoria Vetter  
   Assessing AED Presence Across PA School Districts: A Senate Bill No. 375 Cost Analysis

107. Olivia Haynie (COL 2024)  
   Liv McClary (COL 2024)  
   Justin Seward (COL 2025)  
   Advisor: Donovan Schaefer  
   Historic Black Perspectives on Confederate Monuments

108. Yitong He (WH 2026)  
   Advisor: Jianghong Liu  
   Study on the Effect of Finger Exercises in Elderly Patients with MCI (Mild Cognitive Impairment)

109. Brian Herman (COL 2026)  
   Advisor: Foteini Mourkioti  
   TRF2 Function in Cardiomyocytes during Embryonic Heart Development

110. Yerahm Hong (SEAS 2026)  
   Advisor: Ethan Goldberg  
   Investigating Pattern Separation Ability in an Epileptic Mouse Model of Dravet Syndrome

111. Leah Hopf (COL 2025)  
   Advisor: Jon Hawkings  
   Quantification & Classification of Particulate Manganese in a Glacial Environment

112. Iris Horng (COL 2024)  
   Advisor: Cory Johnson  
   Algorithmic Generation of DNA Self-Assembly Graphs
113. Lauren Howie (COL 2026)
   Advisor: Sigrid Veasey
   MAO-A Inhibitor Clorgyline Administered in Chronically Sleep Deprived Mice Fails to Protect Neuronal Health and Slow Alzheimer's Pathology Progression

114. Michael Hu (COL 2026)
   Advisor: Klaus Kaestner
   Shortened Telomeres Impact Liver Regeneration in Mice

115. James Huang (COL 2026)
   Advisor: Jianjing Kuang
   Music, Language, & Phonetic Cognition in Children

116. Leo Huang (COL 2025)
   Tommy Zeng (COL 2025)
   Advisor: Jacques deLisle
   China’s Law at Home and Abroad

117. Melissa Huerta (COL 2025)
   Advisor: Daniel Hopkins
   Philadelphia Mayoral Primary Polling

118. Daniel Hwang (COL 2025)
   Megan Yang (SEAS 2026)
   Advisor: Danielle Mowery
   Identifying Medication Needs from Patients' Chatbot Messages Using Natural Language Processing and Machine Learning

119. Rahmat Ifaz (COL 2025)
   Advisor: Andrew Edmondson
   Identifying Roles of Abnormal Protein Expression in GALNT2-CDG Phenotypes

120. Szirina Ismail (COL 2026)
   Advisor: Joseph St. Geme III
   Phenotypic Characterization of Kingella kingae Isolates Recovered from Patients with Endocarditis

121. Jo Iyasele (COL 2025)
   Advisor: Mariella De Biasi
   CBD Exposure in Adolescence Decreases Future Morphine Consumption in Mice

122. Alex Iyer (COL 2025)
   Advisor: Katherine Uyhazi
   Inner Retinal Changes in Mouse Model of LCA5 Retinal Degeneration

123. Michael Jacob (COL 2026)
   Sanjit Kobla (COL 2026)
   Advisor: Bhuvnesh Jain
   3D Anisotropic Scattering Transformation

124. JoAnna James (COL 2026)
   Advisor: Kelly Jordan-Sciutto
   Insights Into Potential Production of PERK Protein Isoforms Resulting from EIF2AK3 Alternative Splicing

125. Hiba Jamil (COL 2025)
   Advisor: Nosheen Reza
   Optimal Management of Background Therapy in Patients with Symptomatic Obstructive Hypertrophic Cardiomyopathy Initiated on Mavacamten

126. Terrance Ji (COL 2026)
   Advisor: Dylan Small
   Matching for Evaluating Dynamic Treatment Regimes

127. Annabelle Jin (COL 2025)
   Advisor: David Frank
   Mesenchymal Brd4 is Required for Lung Morphogenesis

128. Hannah Jin (COL 2024)
   Advisor: Dylan Small
   Development of Quadruple Crossmatch Test

129. Joey Jung (COL 2024)
   Advisor: Elaine Simon
   Game-Changing Solutions: Community Benefits Agreements and the Quest for Equitable Urban Redevelopment

130. Sam Jung (COL 2026)
   Advisor: Danaë Metaxa
   TikTok, What’s on the Clock?

131. Ioannis Kalaitzidis (COL 2025)
   Advisor: Masao Sako
   Navigating Uncharted Skies: Investigating Template Subtraction for Type Ia Supernovae Detection

132. Madison Kang (COL 2026)
   Advisor: Blanca Himes
   Mapping TRI Releases in Pennsylvania and Philadelphia Census Tracts
133. Deepika Kannan (COL 2026)  
   Advisor: Steven Kimbrough  
   Optimizing Sustainable Transportation Policies with Agent-Based Modeling

134. Sofia Kaparis (COL 2026)  
   Advisor: Danielle Cullen  
   Socially Equitable Care by Understanding Resource Engagement (SECURE)

135. Prabh Kaur (COL 2026)  
   Advisor: Doris Wagner  
   Investigating LFY K80R in Arabidopsis: Functionality and Phenotypic Effects

136. David Kedeme (COL 2025)  
   Advisor: Minghong Ma  
   Olfactory System Overview: Organization, Processes, Roles, & Disorders

137. Destynn Keuchel (SEAS 2026) Na Lee (COL 2025)  
   Advisor: Laia Mogas-Soldevila  
   TERRENE

138. Nayab Khurshaidi (COL 2025) Emily Roberts (COL 2026)  
   Advisor: Emily Hannum  
   Climate Risk, Pollution, and Childhood Inequalities in Low- and Middle-income Countries

139. Brian Kim (COL 2026)  
   Advisor: Kang Ko  
   Investigation of Novel Cell Death Mechanism for Periodontal Inflammation in Humans

140. Bryan Kim (COL 2025)  
   Advisor: Matthew Good  
   Regulating JAK-STAT Pathway via Thermo Controlled Condensates

141. Enne Kim (COL 2026)  
   Advisor: Heather Huntington  
   Land and Conservation Efforts in Zambia: Zambia Eastern Kafue Nature Alliance (EKNA) Baseline Data Analytics

142. Hannah Kim (COL 2026)  
   Advisor: Zhaolan Zhou  
   Induction of Cre Recombinase Activity In Vivo in Mice

143. Hayle Kim (COL 2025)  
   Advisor: Matthew Kayser  
   A Candidate-based Screen to Identify Genes Involved in Sleep Maturation

144. Kyulee Kim (SEAS 2026) Luna Sato (COL 2026) Yutong Yi (COL 2026)  
   Advisor: Huafeng Wei  
   Intranasal Administration of Dantrolene Nanoparticles as Neuroprotection for Alzheimer’s Disease

145. Minnie Kim (COL 2025) Allison Mi (SEAS 2026) Simon Roling (SEAS 2026)  
   Advisor: Christopher Yoo  
   Assessing Smartphone and Internet Penetration in Ghana

146. Olivia Kim (COL 2025)  
   Advisor: Anjan Chatterjee  
   Penn Center for Neuroaesthetics: Engagement with Artwork

147. Rebecca Kim (COL 2024)  
   Advisor: Wenqin Luo  
   Single Soma Dissection of Human DRG Neurons by Laser Capture Microdissection
148. Sophie Klessel (SEAS 2025)
   Advisor: Riccardo Gottardi
   An in vitro Study of Scaffolds for Cartilage Repair

149. Victor Kogo (WH 2026)
   Advisor: Samir Nurmohamed
   Being an Alternate Choice and Feedback Seeking in Organizations

150. Daniella Kohn (COL 2026)
   Advisor: Edward Brodkin
   Effects of Concurrent ADHD and Anxiety on Self and Informant Report Discrepancies in Autistic Adults

151. Christine Kong (COL 2024)
   Advisor: Rebecca Ganetzky
   Utilizing Stable Isotopes to Develop a Fully Quantitative Mitochondrial Translation Assay

152. Maya Kreger (COL 2025)
   Advisor: Ileana Pérez-Rodríguez
   Microbiology of Metal-reducing Isolate Thermaerobacter sp. Strain 36 from the Subseaﬂoor Ocean Crust

153. Aravind Krishnan (COL, WH 2025)
   Advisor: Roger Greenberg
   The BLM Helicase Enables Cancer Cells to Achieve Telomerase-Independent Immortality through Alternative Lengthening of Telomeres (ALT)

154. Jun Kwon (SEAS 2026)
   Advisor: Cynthia Sung
   Design and Characterization of a Tunable-Stiffness Pneumatic Legged Hopping Robot

155. Andrew Lee (COL 2026)
   Advisor: Kenneth Zaret
   Kdm4 H3K9me3 Demethylases Maintain Cellular Identity of Adult Mouse Hepatocytes

156. Gavin Lee (COL 2025)
   Advisor: Frederick Bennett
   Utilizing Lyso-IP for Lipidomics in an in vitro Model of Krabbe Disease

157. Hannah Lee (COL 2025)
   Advisor: Martin Seligman
   Theory and Research in Positive Psychology

158. Joyce Lee (COL 2026)
   Advisor: Leo Cheng
   Retrospective Analysis of Serum Indicators for COVID-19 Severity

159. William Lee (COL 2024)
   Advisor: David Raizen
   The Discovery of Drugs Reducing Stress-Induced-Sleep Using High-Throughput Screening

160. Sage Leland (COL 2026)
   Advisor: Dhivya Ramasamy
   A Study of Patient Digital Usage Habits, Access, and Attitudes at an Eye Hospital in Southern India

161. Josh Leshinskie (SEAS 2026)
   Advisor: Igor Bargatin
   Achieving Near-Atmospheric Levitation of Micron-Thick Materials

162. Sophie Levin (COL 2026)
   Advisor: Kelly Jordan-Sciutto
   Antiretroviral Activation of the PERK Pathway Leads to Stress Granule Formation in Differentiating Oligodendrocytes

163. Jenny Li (COL 2026)
   Advisor: Wanding Zhou
   Exploration of Feature Selection Strategies in DNA Methylation-based Cancer Classification

164. Jiayi Li (COL 2025)
   Advisor: Ramya Sreenivasan
   Military Campaigns in Early Modern South Asia: What Digital Mapping Can Tell Us

165. Katherine Li (SEAS 2026)
   Annabel Sumardi (COL 2025)
   Advisor: Joshua Mosley
   Animating Sustainability: Unveiling Professor Poldergeist's Research on Dutch Water Management

166. Lilian Li (COL 2024)
   Advisor: Chamith Rajapakse
   Utilizing AI-based 2D Segmentation for 3D Medical Imaging Analysis

167. Michael Li (COL, SEAS 2025)
   Advisor: Duncan Watts
   High-Throughput Experiments on Group Dynamics: Deliberation
168. Sunnie Li (SEAS 2026)  
Advisor: Lukasz Bugaj  
*Using Optogenetics to Explore RTKs’ Role in Persistence of EML4-ALK Cancer Cells*

169. Thomas Li (COL, SEAS 2025)  
Advisor: Juan Londono  
*The Economic Significance of Rising Inflation Uncertainty*

170. Yijia (Laura) Li (COL, SEAS 2026)  
Advisor: Lu Lu  
*Machine Learning Guided Rhodopsin Engineering for Voltage Imaging*

171. Cheryl Lim (SEAS 2025)  
Advisor: Deep Jariwala  
*Enhancement of Charge Transport by Exciton Polaritons in Tungsten Disulfide Photovoltaic Devices*

172. Ryan Lim (SEAS 2024)  
Advisor: James Riley  
*Investigating RASA2 Overexpression to Reduce CAR T Cell On-Target Off-Tumor Toxicity*

173. Jessica Lin (COL 2026)  
Advisor: Courtney Wolk  
*Barriers and Facilitators of Implementing Teamwork Training for School Mental Health Teams*

174. Linda Lin (SEAS 2024)  
Advisor: Deep Jariwala  
*Broadband Solar Light Harvesting from Ultrathin Two-Dimensional Semiconductor Heterostructures*

175. Po-Ting Lin (COL 2026)  
Tammy Nguyen (SEAS 2026)  
Advisor: Chinedum Osuji  
*Using Self-Assembling Surfactants to Form Water Filtration Membranes*

176. Alyssia Liu (COL 2024)  
Advisor: Dana Graves  
*The Oral Mucosa is Enriched with Inflammatory Fibroblasts in Diabetic Mice*

177. Danju Liu (COL 2026)  
Alana Newberger (COL 2025)  
Rahan Siddiqi (COL 2024)  
Advisor: James Pawelski  
*Music and Human Flourishing*
178. Hannah Liu (COL 2025)  
Advisor: Philip Tetlock  
Utilizing Correlational Analysis to Identify Traits of Successful Forecasters

179. Ivy Liu (COL 2026)  
Advisor: Arnold Mathijssen  
Cargo Transport by Schooling Micro-organisms

180. Jason Liu (SEAS 2026)  
William Dodds (COL 2025)  
Eric Zhao (SEAS 2025)  
Advisor: Mayur Naik  
Relational Programming with Foundation Models

181. Kevin Liu (SEAS 2026)  
Advisor: Brian Litt  
Task Aware Representations of Sentences Improves Seizure Freedom Classification in Data-Limited Settings

182. Ryan Liu (COL 2026)  
Advisor: Qi Long  
Using Tissue-specific Genetic Variation in Mendelian Randomization to Map the Influence of Education and Intelligence on the Risk of Alzheimer's Disease

183. Sophia Liu (COL 2026)  
Advisor: David Reibstein  
Perception Can Be Reality: How Nation Branding and a Country’s Brand Impacts Openness To Immigration

184. Sydney Liu (COL 2026)  
Veronica Marlotte (COL 2025)  
Advisor: Delphine Dahan  
Cards and Conversation: Social Reasoning in Dialogues

185. Winson Liu (COL 2025)  
Advisor: Paul Schmidt  
Experimental Evolution of Malathion Resistance in Drosophila melanogaster

186. Yuhan Liu (SEAS 2025)  
Advisor: Jordan Raney  
Improving the Precision of Direct-Write 3D Printing via Computer Vision and Machine Learning

187. Edward Lopez Velazquez (COL 2024)  
Advisor: Shardha Jogee  
Characterizing The Accretion Behavior Of AB Aurigae, A Potential Young Planet Host Star

188. Luiza Louback Fontes (COL 2026)  
Advisor: Amy Stornaiuolo  
Fostering Belonging and Inclusivity through Multilingual and Multimodal Practices: An Exploration within an International Context

189. Cindy Lu (COL 2026)  
Advisor: David Merrick  
Understanding How Fibro-Adipogenic Progenitor Cells React to Obesity/Injury and Its Effects on Muscle Health

190. Kira Lu (SEAS 2024)  
Advisor: Xiaowei Liu  
Geographical Specificity of Osteocyte Function within the Cortical Bone Matrix under a Variety of Estrogen Level and Reproductive Conditions

191. Tianhao Luo (COL, WH 2025)  
Advisor: Peter Koo  
Deciphering the Genetic Code behind Single-Cell Chromatin Accessibility: Interpreting a Sequence-based Convolutional Neural Network

192. Tristan Ly (COL 2024)  
Advisor: Annette Lareau  
Differences in Navigation of Elite Institutions by Social Class

193. Katherine Lynch (COL 2024)  
Advisor: Erica Korb  
Investigating the role of Histone Methylation in Neurodevelopmental Disorders

194. Hannah Macdonald (COL 2026)  
Advisor: Chamith Rajapakse  
Backend Development for Electronic Medical Record System

195. Jan Magielski (COL 2024)  
Advisor: Ingo Helbig  
Delineating the Clinical and Genetic Spectrum of Speech Disorders in 52,143 Individuals

196. Sanya Malhotra (COL 2024)  
Advisor: Ramya Sreenivasan  

197. Saurabh Mallela (SEAS 2025)  
Advisor: Erin Conrad  
Towards Automated Epilepsy Diagnosis
198. Akshatha Manjunatha (COL 2025)
   Advisor: Tobias Baumgart
   Studying the Role of Lamellipodin in Suppressing Endophilin’s Curvature Generation

199. Audrey Mann (SEAS 2025)
   Advisor: Igor Bargatin
   Photophoretic Thruster for Trajectory Control of Large, High-altitude Balloons

200. Daniel Markman (COL 2024)
   Advisor: Joseph Cichon
   Comparing the Molecularly Distinct Psychedelic Antidepressants in a Novel Mouse Model of Chronic Stress

201. Crystal Marshall (COL 2024)
   Advisor: Perry Johnson
   Towards Transformation: A Call for the Reimagination of the Film Canon

202. Hana Matsuda (SEAS 2025)
   Advisor: Daniel Hammer
   Functional Use of RGG condensates to Control Motility of HL 60 cells

203. Benjamin McAvoy-Bickford (COL 2026)
   Shaurya Singhi (SEAS 2026)
   Nina Wang (COL 2026)
   Advisor: Eugene Buckley
   Kashaya Language Resources

204. Mia McElhatton (COL 2026)
   Advisor: Kok-Chor Tan
   Tiger Widows in the Soundarbans: Gender, Conservation, and Culture

205. Zarah Meek (SEAS 2025)
   Advisor: Irma Elo
   Cognitive Aging in Chile and the Context of Chile’s Indigenous Populations

206. Arianna Mejia (COL 2025)
   Advisor: Vivek Bhalla
   Generation of an Endogenous Mutation in ClC-Kb Using Prime Editing

207. Miranda Meng (COL 2025)
   Advisor: Ahmara Ross
   Evaluating the Reliability of Brn3a and RBPMS as Retinal Ganglion Cells Markers with Age and Ocular Hypertension-induced Disease
208. Francesco Milano (COL 2024)
   Advisor: Tobias Baumgart
   Purification of VASP Constructs and Liquid-liquid Phase Separation with Lamellipodin and Endophilin

209. Madeeha Mirza (COL 2024)
   Advisor: Ayelet Ruscio
   GAD, MDD, and COM: Threat and Reward Response in Daily Life

210. Kai Mitsuishi (COL 2026)
   Advisor: Arnold Mathijssen
   E. coli Motility in Microchannels - Experimental and Theoretical Insights

211. Anthony Montes de Oca (COL 2025)
   Advisor: Stacey Bevan
   Autism Diagnosis and Service Navigation of Hispanic Immigrant Families

212. Kayleigh Mooney (COL 2025)
   Advisor: Loretta Flanagan-Cato
   Community Engagement Neuroscience

213. George Morcos (COL 2024)
   Advisor: Costas Koumenis
   FLASH Proton Irradiation Prevents Salivary Gland Dysfunction and Restores Aquaporin-5 Expression in Mice

214. Jonibek Muhsinov (COL 2026)
   Advisor: Thomas Mallouk
   Synthesis of Photocatalysts

215. Eric Muthersbaugh (COL 2025)
   Advisor: Suradip Das
   Piezoelectric Electrospun Cardiac Patch for Heart Tissue Repair: A Tissue Engineering Approach to Healing Damaged Cardiac Tissue Post Myocardial Infarction

216. Sophie Mwaisela (COL 2024)
   Advisor: Lee Cassanelli
   L’Évolution d’un État Philanthropique: Colonial Switzerland and Its Voices of Dissent

217. Eric Myzelev (COL 2025)
   Advisor: Lu Lu
   Physics-Informed Neural Networks for Tracking the Hemodynamics of Dissected Aorta

218. Alena Nag (COL 2025)
   Advisor: Ahmed Moustafa
   Phylogenomic Analysis of Pseudomonas aeruginosa Isolates from Bacteremia Cases at CHOP

219. Gautham Nair (SEAS 2024)
   Advisor: Riccardo Gottardi
   Decellularized Cartilage for Pediatric Tympanoplasty in an in vivo Rat Model

220. Negin Najafi (COL 2026)
   Advisor: Gary Bernstein
   Determining the Uncertainty of Different Cosmological Parameters Using the Distribution of Dark-matter Density

221. Connor Nakamura (COL 2025)
   Advisor: Eiichiro Azuma
   From Camps to Consumer Society: The Decline of Japanese American Radical Labor from 1942 to 1960

222. Arav Nangia (COL 2026)
   Advisor: Michael Lampson
   Mechanisms of Equalization Between Maternal and Paternal Telomeres in Embryonic Cells

223. Shivek Narang (COL 2025)
   Advisor: James Gugger
   Correlating the Effect of the Size and Location of TBI Induced Lesions on the Likelihood of Developing Epilepsy through Functional Connectivity Mapping

224. Siena Nason (COL 2025)
   Advisor: Marco Ruella
   Modulation of the Epigenome of Tumor and Immune Cells to Enhance CAR-T Therapy against Non-Hodgkin Lymphoma

225. Roene Nasr (COL 2024)
   Advisor: Kyle Vining
   Regulation of Dental Pulp Stem Cells in Fibrotic Hydrogels

226. Jerayla Navarro (COL 2025)
   Advisor: John Seykora
   Biomarkers of Early UV-induced Skin Cancer

227. Lisel Ndrecka (COL 2026)
   Advisor: Cary Coglianese
   Economic, Financial, and AI Regulation
228. Suraj Neelamagam (COL 2026)  
   Advisor: Heath Schmidt  
   Activation of Endogenous CeA -> NAc Projections  
   Attenuates Cocaine Reinstatement

229. Andrew Ng (SEAS 2025)  
   Advisor: Hersh Sagreiya  
   Report Generation for X-Ray Images

230. Hung Nguyen (COL 2024)  
   Advisor: Rachel Kuske  
   Anharmonic Forcing of a Vibro-Impact Energy-Harvester

231. Thu Nguyen (COL 2026)  
   Layla Sayed (COL 2026)  
   Advisor: Julia Gray  
   International Organizations from the Inside Out

232. Tommy Nguyen (COL 2024)  
   Advisor: Mark Sellmyer  
   Regulation of eDHFR-tagged Proteins with Trimethoprim PROTACs

233. Elizabeth Ni (COL 2026)  
   Advisor: Wanijiku Njoroge  
   Racialized Perceptions of Motherhood: the Pervasiveness of Implicit Biases in Race-Conscious Biomedical Research

234. Sarah O’Konski (COL 2025)  
   Advisor: Ivan Dmochowski  
   Synthesis of a Novel Chelating Hemicryptophane for Stabilization of Cu(I)

235. Dominic Olaguera-Delogu (WH 2026)  
   Advisor: Santosh Anagol  
   Household Finance in Emerging Markets

236. Eda Orakci (SEAS 2026)  
   Anna Vazhaeparambil (COL 2025)  
   Advisor: Duncan J. Watts  
   Teamwork Decoded: Developing Virtual Experiments to Analyze Group Dynamics

237. Samantha Ouyang (SEAS, WH 2026)  
   Advisor: Jordan Raney  
   Multifunctional Modular Pneumatic Gripper

238. Daniella Oyenuga (COL 2026)  
   Advisor: Seema Bhatnagar  
   Neurobiology of Stress Resilience

239. Nikhita Pabbaraju (COL 2026)  
   Advisor: Levon Utidjian  
   Clinical Characteristics and Outcomes in Pediatric Hypertension Using EHR Data

240. Yash Pahwa (COL 2025)  
   Johannah Iyasele (COL 2025)  
   Advisor: Mariella De Biasi  
   The Effect of Chronic Cannabidiol Administration on Anxiety-Like Behavior in Adolescent Mice

241. Pranav Palletti (SEAS 2026)  
   Advisor: Elizabeth Mcdonald  
   Machine Learning Approach for Enhancing Cancer Cell Classification in Breast Tissue IHC Slides

242. Suraj Panara (COL 2025)  
   Advisor: Neil Sheth  
   Source of Research Funding for Studies on TKA or THA May Predict Citations or Online Popularity and Correlate with Lower Study Quality

243. Rohan Panday (SEAS 2026)  
   Advisor: Joseph Kroll  
   Characterizing the Behavior of HVSS for EOS

244. Camila Castillo Paranhos (COL 2025)  
   Advisor: Julia Gray  
   Evolution of International Organizations

245. April Park (COL 2026)  
   Advisor: Gary Freedman  
   Prevalence of Sleep & Fatigue in Cancer Pre-Post Radiation Treatment

246. Jun Hyun Park (SEAS 2026)  
   Advisor: Chamith Rajapakse  
   Web Development and Machine Learning for Orthopedics

247. Malena Parrado (COL 2026)  
   Advisor: Michael Lampson  
   Variation Among Mus Species in de novo Paternal Pericentromeric Heterochromatin Formation

248. Ronit Patel (COL 2024)  
   Advisor: Kacy Cullen  
   Development of a 3-D Microtissue Model to Study Neuroinflammatory Responses

249. Kamelija Patoska (COL 2026)  
   Advisor: Seema Bhatnagar  
   Habituation to Stressors in Animals with Dysregulation of Sphingosine-1-phosphate Receptor 3 (S1PR3)
250. Danielle Peck (COL 2026)  
   Advisor: Joseph Rossano  
   Ventricular Decompression Outcomes and Complications

251. Beijia Peng (COL 2024)  
   Advisor: Dolores Albarracin  
   Processes and Consequences of Direct and Indirect Persuasive Messages on Recipients from Western and Eastern Cultural Backgrounds

252. Sofia Perdomo (COL 2024)  
   Ashil Srivastava (COL 2025)  
   Advisor: Roy Hamilton  
   Modulating Working Memory with Transcranial Alternating Current Stimulation (tACS): Pilot Study for tACS as a Treatment for Neurodegenerative Memory Disorders

253. Ysabella Perez (COL 2026)  
   Advisor: Adriana Perez  
   Stress, Trust, and Health Care Among Older Latinos

254. Yoni Perla (COL 2024)  
   Advisor: Maayan Levy  
   AhR Ligands Modulate Gasdermin C In Vitro

255. Sarah Pham (COL 2024)  
   Advisor: Ethan Goldberg  
   Assessing Mechanisms of Brain Malformation in SCN3A Encephalopathy Using a Stem Cell-derived Model

256. Liam Phillips (COL 2024)  
   Advisor: Brian Kim  
   In Search of a New Russian Readership: Communal Experience and Literary Form in Mikhail Kuzmin’s Wings

257. Talyah Pierce (COL 2026)  
   Advisor: John MacDonald  
   Beyond the Clean-Up: An Analysis of the Relationship Between Litter and Gun Violence in Philadelphia

258. Alex Piven (COL 2026)  
   Advisor: Katie Barott  
   The Impact of Heat Stress on Temperate Coral Astrangia pociulata

259. Tanay Poddar (COL 2024)  
   Advisor: Hao Huang  
   Revealing the Language and Auditory Localization of White Matter Microstructures of the Preterm Human Brain through Diffusion Tensor Imaging

260. Vidhur Polam (COL 2025)  
   Advisor: Frederick Bennett  
   Lipid Accumulation Leads to Reactive Macrophage Pathology in Settings of GALC Dysfunction

261. Austin Pothikamjorn (COL 2025)  
   Advisor: Heath Schmidt  
   Characterizing the Efficacy of a GLP-1R Agonist to Reduce Cocaine Seeking in Female Rats

262. Jackson Powell (COL 2024)  
   Advisor: Yuanquan Song  
   The Mechanosensitive Ion Channel Piezo’s Role in the Growth Cone

263. John Purple (COL 2025)  
   Advisor: Bhuvnesh Jain  
   Intrinsic Alignment and Cosmic Shear

264. Elizabeth Qian (SEAS 2026)  
   Advisor: Ahmed Moustafa  
   CURED: Classification Using Restriction Enzyme Diagnostics

265. Suya Que (SEAS 2026)  
   Advisor: Arnold Mathijssen  
   Behavior of Upstream Swimming E. Coli Bacteria in a Microfluidic Environment

266. Rawan Rabayah (COL 2024)  
   Advisor: Marsha Lester  
   Volatile Organic Compounds in the Atmosphere

267. Maliha Rahman (COL 2025)  
   Advisor: Victoria Vetter  
   An Assessment of Need for Automatic External Defibrillators by Race, Socioeconomic Status, and Region in Pennsylvania Public Schools

268. Simran Rajpal (COL 2024)  
   Advisor: Robert Aronowitz  
   “Log Kya Kahenge”: Understanding Perceptions of Risk, Genetic Testing, and Breast Cancer within the South Asian Diaspora

269. Rajat Ramesh (COL 2024)  
   Advisor: George Burslem  
   A Modular Tool for Targeted Editing of Post-translational Modifications

270. Shruti Ramkumar (SEAS, WH 2026)  
   Advisor: David Hsu  
   Investigating University Spinoffs and Startup Success through Patent Reassignments
271. Pallavi Rao (COL 2024)  
Advisor: Amy Lutz  
*Reconstructing the Ab/Normal: The Cross-Cultural Validity of Autism Diagnostic Tools*

272. Ashley Ray (COL 2024)  
Advisor: Katherine Moore  
*Mortuary Archaeology on the Northern Coast of Peru*

273. Isha Reddy (WH 2025)  
Advisor: Samir Nurmohamed  
*The Impact of Being an Alternate Choice on Feedback Seeking in Organizations*

274. Reagan Reese (COL 2026)  
Advisor: Katherine Theken  
*Effect of Ibuprofen on Interleukin Protein Levels Following Third Molar Extraction*

275. Aryan Roy (SEAS 2026)  
Advisor: Ryan Urbanowicz  
*Using Residuals to Improve the FIBERS Algorithm*

276. Sphia Sadek (COL 2025)  
Advisor: Malek Kamoun  
*Developing Machine Learning Algorithm to Improve Kidney Transplantation Matching*

277. Ben Sailors (SEAS 2025)  
Advisor: Yu Jun Tan  
*3D Printable and Self-Healing Green Hydrogel for Devices*

278. Alyssa Saito (COL 2026)  
Advisor: Andrew Modzelewski  
*Role of Retrotransposon Reactivation in Hematopoietic Development*

279. Hina Sako (COL 2026)  
Advisor: David Raizen  
*Finding Genes Required for Sickness Sleep in C. elegans*

280. Samantha Salcedo Martinez (COL 2025)  
Advisor: Sade Bonilla  
*Uplifting Historically Marginalized Adults under G3’s Financial Aid Program*

281. Xoshill Saldana Gamez (COL 2026)  
Advisor: Mechthild Pohlschroder  
*Is IRF3 inside the nucleus in LACV infected 3D In Vitro Cerebral Organoids?*

282. Myka Salvacion (COL 2025)  
Advisor: John Maris  
*Identifying the Effect of MYCN Downregulation on Chemokine Expression & PHOX2B CAR-T Cell Efficacy*

283. Alex Savage (COL 2026)  
Advisor: Marisa Bartolomei  
*Epigenetic and Physiological Outcomes in a Mouse Model of Assisted Reproductive Technologies*

284. Helena Saven (COL 2026)  
Lulia Tesfamariam (COL 2026)  
Advisor: Rebecca Waller  
*Seeing Eye to Eye: The Relationship between Reciprocal Eye Gaze and Callous-Unemotional Traits in Young Children*

285. Shand Seiffert (COL 2026)  
Advisor: Elliot Lipeles  
*Using Rest Frame Discriminants to Identify Z Boson Jets*

286. Fatima Seisay (COL 2026)  
Advisor: Elizabeth White  
*Screening of Simple Hydrocarbons as Anesthetic Antagonist*

287. Anthony Senouillet (SEAS 2026)  
Advisor: Bomyi Lim  
*Examining the Role of Enhancers in Regulating Nuclear-Content-to-Cytoplasm Ratio-Dependent Genes in Drosophila Embryos*

288. Nitin Seshadri (COL 2025)  
Advisor: Isaac Chen  
*Effect of Traumatic Brain Injury on Visual Detection Behavior*

289. Miriam Shah (COL 2024)  
Advisor: Warren Breckman  
*A 19th Century Polemicist in Paris*

290. Thomas Sharrock (COL 2026)  
Advisor: Molly McGlone  
*Audience Perception of Opera and Demographic Influence in Modern British State Opera*

291. Bassel Shawareb (COL 2026)  
Advisor: Jennifer Orthmann-murphy  
*Haploinsufficiency of CSF1R in Microglia Alters the Cortical Astrocyte Reactive Response to Demyelination*
292. Madison Shelton (COL 2026)  
Advisor: Audrey John  
*Understanding the Metabolic Pathway of Malaria Through HAD 3*

293. Shiny Shen (SEAS 2026)  
Advisor: Charlie Johnson  
*Analyzing Dirac Shifts in GFETs Functionalized with Viral RNA*

294. Alisha Shetty (COL 2025)  
Advisor: Shaon Sengupta  
*Effect of Environmental Lighting on Circadian Gating of Lung Injury*

295. Neha Shetty (COL 2024)  
Advisor: Anne Teitelman  
*Investigating the Impact of Stigma and Dehumanization on the Healthcare Engagement and Access of Unhoused Individuals: A Photo-elicitation Study*

296. Heejoon Shin (COL 2026)  
Advisor: Ivan Dmochowski  
*Iron-Organic Contrast Agent for Xenon Biosensing*

297. Hannah Shumsky (COL 2026)  
Isaiah Weir (COL 2026)  
Advisor: Joshua Teplitsky  
*A Case Study of Digital Humanities: David Oppenheim’s Printed Texts and the History of Jewish Books*

298. Jackson Simpson (COL 2026)  
Advisor: Kahlilia Morris-Blanco  
*TET Activation Decreases Post-Stroke Cell Death*

299. Henry Sims (SEAS 2026)  
Advisor: Ivan Dmochowski  
*Developing a Ribose Binding Protein FRET Sensor*

300. Avinash Singh (COL 2024)  
Advisor: Kelly Jordan-Sciutto  
*Characterization of Alternately-spliced Isoforms in the PERK-coding Gene EIF2AK3 under ER Stress*

301. Jasjeev Singh (COL 2026)  
Advisor: Robyn Sanderson  
*Galactic Assembly in Different Dark Matter Models*

302. Marcella Soewignjo (COL 2025)  
Advisor: Marc Fuccillo  
*Exploring Functional Differences of the aDMS and pDMS*

303. Ella Sohn (COL 2026)  
Advisor: Cary Coglianese  
*AI in the Administrative State*

304. Leo Solga (COL 2026)  
Advisor: Jen Ciaccio  
*Bail Procedure and Local Courts*

305. Caroline Solus (COL 2025)  
Advisor: Eric Marsh  
*Determining the Shortest Length of Time for EEG Power Measure*

306. Hyunwoo Song (COL 2024)  
Advisor: Benjamin Nathans  
*The Function and Limitation of the Korean American Association of Greater Philadelphia 1989 - 2000*

307. Lucie Song (COL 2025)  
Klaudia Zalewska (NUR 2025)  
Advisor: Aimin Chen  
*Metabolomic Profiles and Urinary Concentrations of Phenols and Phthalates in Mother-Infant Dyads*

308. Shreya Sripada (SEAS 2026)  
Advisor: Colin Ellis  
*Improving the Generalizability of Natural Language Processing Algorithms in Medicine*

309. Ann Stettler (COL 2025)  
Advisor: Liang Wu  
*Exploring Topological Materials via Mechanical and Electro-Optical Methods*
310. Steven Su (COL 2026)  Advisor: Xiaolu Yang  
Screening of TRIM Proteins Disagregase Activities on Ataxin-1[82Q] Aggregation

311. Liwa Sun (COL 2024)  Advisor: Jean-Michel Rabate  
Existentialism versus Essentialism: Jia Zheng’s Character in Hong Lou Meng

312. Sydney Sun (COL 2024)  Advisor: Rebecca Waller  
What Emotion Do You Hear? Paving the Way of Music Emotion Recognition

313. Xueqi Sun (COL 2024)  Advisor: Michael Lampson  
Centromere-Associated Satellites’ Differential Dependence on HMGA1-Driven Packaging

314. Anoushka Swain (COL 2026)  Advisor: Matthew Hayes  
Exploring Uncarboxylated Osteocalcin on Improving Impaired Cognition in a Rat Model

315. Eric Tao (COL 2025)  Advisor: Marc Schmidt  
What Does the Cowbird Say? Social Modulation of Song in Brown-headed Cowbirds

316. Ezana Tedla (COL 2026)  Advisor: Kahlilia Morris-Blamco  
The Ten-Eleven Translocase Epigenetic Enzyme Prevents Apoptosis and Brain Damage after Stroke

317. Timethius Terrell (COL 2024)  Advisor: Krista Cortes  
Restricted Discourse: The Social Lives of Queer Thai University Students

318. Becka Terzakis (COL 2024)  Advisor: Aman Husbands  
Identifying Critical Regulatory Targets and Binding Partners of the HD-ZIPIII Transcription Factor, PHABULOSA

319. Stephen Thomas (WH 2026)  Advisor: Andrew Edmondson  
Validating CRISPR’d PMM Deficient Neurons for Modeling PMM2-CDG

320. Defne Tim (COL 2026)  Advisor: Dawn Mechanic-Hamilton  
Usability of a Remote App-Based Assessment of Cognition to Analyze the Effects of Parkinson's Medication

321. Hertha Torre Gallego (COL 2024)  Advisor: Adam Mohr  
Realities of Abortion Reform in Argentina

322. Inis Trifka (COL 2025)  Advisor: Emily Gregory  
Medicaid Perinatal Payment Reform

323. Varun Trivedi (SEAS 2025)  Advisor: Michelle Johnson  
Developing Soft Lossy Force Sensors for Detection of Infant-Toy Interactions

324. Wenxin Tu (COL 2024)  Advisor: Marc Fuccillo  
Brain-wide Labeling of Neurons Contributing to Positive and Negative Reinforcement Strategies

325. Syraj Uddin (COL 2025)  Advisor: Nicholas Bentley  
Food Preference Shift in C57BL/6 Mice Following Exercise Endurance Protocol

326. Melissa Ulloa (COL 2025)  Advisor: Adeyinka Dayo  
Systematic Review of Vascular Calcification in Diabetic Patients: Prevalence, Risk Factors, and Clinical Implications

327. Aisha Uwamwezi (NUR 2025)  Willa Xun (NUR 2026)  Advisor: Brian Jenssen  
Usability Testing for the Adolescent Health Questionnaire: Exploring Confidentiality and Health Behavior Disclosure

328. Phoebe Vallapureddy (SEAS 2026)  Advisor: Jina Ko  
Multiplexed Longitudinal Profiling of Living Organoids

329. Diego Varela Lugardo (COL 2026)  Advisor: Irina Marinov  
The Global Climate Security Atlas

330. Ananya Varshneya (COL 2025)  Advisor: Santosh Anagol  
Household Finance Policy Research in South Africa
331. Abetzi Vazquez Ochoa (COL 2025)  
   Advisor: Cornelius Taabazuing  
   *Life or Death - Testing if N-terminal Degradation Activates the PIDDosome Complex*  

332. Isabella Velez (COL 2026)  
   Advisor: Erin Conrad  
   *Factors Predicting Length of Stay in Epilepsy Monitoring Unit*  

333. Eshu Venkataswamy (COL, WH 2026)  
   Advisor: Seema Bhatnagar  
   *Individual Rats’ Stress Coping Mechanisms and Extinction of Fear*
334. Amy Vidal (COL 2024)  
    Advisor: Emily Balskus  
    *Synthesis of Photocrosslinking Otilonium Bromide to Study Drug–Microbe Interactions*

335. Christina Volpe (COL 2024)  
    Advisor: Struan Grant  
    *Validation of rs7132908 as a Causal Variant at the Childhood Obesity chr12q13 Locus Implicates FAIM2*

336. Tycho von Rosenvinge (COL 2025)  
    Advisor: Liang Wu  
    *Magnetic Structure of the Antiferromagnetic Semimetal Co1/3TaS2 and the Zero Area Loop Sagnac Interferometer*

337. Maria Wahba (COL 2026)  
    Advisor: Allison Kelly  
    *Adherence to a Meal Plan on a Daytime vs Delayed Eating Schedule*

338. Aili Waller (COL 2024)  
    Advisor: Michael Leja  
    *On the Trail of a Lost Woman Artist: The Case of Mary Josephine Walters*

339. Anjie Wang (COL 2024)  
    Advisor: Emma Hart  
    *Treaty-making, Colonial Policies and Indigenous Subjugation in New South Wales and Aotearoa (1788-1840)*

340. Annie Wang (COL, WH 2025)  
    Advisor: David Hsu  
    *Entrepreneurial Ecosystems*

341. Jason Wang (COL 2024)  
    Advisor: Tobias Baumgart  
    *Correcting the Stiffness Calibration for Optical Traps*

342. Justin Wang (COL 2025)  
    Advisor: Elizabeth Railey White  
    *The Effect of Various Anesthetic Agents on Zebrafish Cardiac Contractility*

343. Mandy Wang (COL 2025)  
    Advisor: Paul Schmidt  
    *The Rapid Evolution and Relationship of Pigmentation and Fecundity in D. melanogaster*

344. Oscar Wang (COL 2026)  
    Advisor: David Merrick  
    *Elucidating the Role of Hyaluronic Acid in Adipocyte Progenitor Cell and Macrophage Behavior*

345. Amelie Warneryd (COL 2024)  
    Advisor: Randel Swanson  
    *Predictive Modeling of Inpatient Trauma Discharge Disposition*

346. Avia Weber (COL 2026)  
    Advisor: Martin Seligman  
    *Why Beliefs Matter*

347. Katherine Wei (COL 2026)  
    Advisor: Joseph Rossano  
    *Analyzing Hospital Ownership Impact on Quality of Care, Financial Performance, and Social Determinants of Health*

348. Linran Wei (COL 2025)  
    Advisor: Vijay Balasubramanian  
    *What Makes Natural Sound Learnable?*

349. Devora Weintraub (COL 2024)  
    Advisor: Todd Kilbaugh  
    *Assessing Cell-Specific Mitochondrial Response to Pediatric Cardiac Arrest*

350. Vernon Wells (COL 2024)  
    Advisor: Andrew Carruthers  
    *'Pragmatic' Politics of Dispossession and Institutionalized Knowledge Among the Ayta Magbukun*

351. Julian Weng (SEAS, WH 2026)  
    Advisor: Leandro Pongeluppe  
    *Computational Comparative Institutional Analysis Across Political and Macroeconomic Domains*

352. Rudy Whitney (SEAS 2025)  
    Advisor: Eric Marsh  
    *Improved Detection and Analysis of N1/N2 in Cortico-Cortical Evoked Potentials (CCEPs)*

353. Amehja Williams (SEAS 2026)  
    Advisor: Dawn Mechanic-Hamilton  
    *Developing an Algorithm for Runtime Gameplay Adjustments in A Mobile Cognitive Assessment*

354. Maya Williamson Shaffer (COL 2025)  
    Advisor: Mathew Madhavacheril  
    *Gravitational Lensing of CMB Around Galaxy Clusters*
355. Sofia Wissert (SEAS 2026)
   Advisor: Lukasz Bugaj
   Investigating Condensate Formation and RAS/ERK Signaling of 20 Fusion Oncoproteins

356. Irene Woo (COL 2026)
   Advisor: Blanca Himes
   Analyzing Traffic-Related Air Pollution Exposure in the Philadelphia Area

357. Lydia Worssa (NUR 2026)
   Advisor: Dana Graves
   The Impacts of Aging and Diabetes: Oral Cavity Wounds in Mice Populations

358. Alice Wu (COL 2026)
   Advisor: Masao Sako
   Spectral Energy Distribution Modeling for the Roman Space Telescope

359. Kevin Xu (COL 2025)
   Advisor: Elizabeth White
   Does HPV E7’s Binding Affinity to PTPN14 Determine Its Degradation Ability?

360. Xandro Xu (COL 2025)
   Advisor: Dorene Balmer
   Designing for Equity in Medical Education: An Innovative Application of Design Thinking to Co-Create Equitable Assessment Systems

361. Ella Yang (COL 2024)
   Advisor: Jianghong Liu
   Traditional Chinese Finger Exercise for Older Adults’ Health: Pilot Studies

362. Jane Yang (COL 2025)
   Advisor: Dana Graves
   Cellular Distribution of E-Cadherin upon the Deletion of RhoA in Keratinocytes

363. Angela Ye (COL 2026)
   Advisor: Katie Barott
   Impacts of Heat Priming on Development and Physiology of Sea Anemone Larvae

364. Peilin Ye (COL, SEAS 2026)
   Advisor: Evelyn Thomson
   Mass Asymmetry on Chargino Decay to ττHH with Missing Transverse Energy

365. Bowen Ying (SEAS 2026)
   Advisor: Gary Bernstein
   Investigating the Binary TNO 2013 RJ124

366. Jennifer Yoo (SEAS 2026)
   Advisor: Daniel Kelly
   Validating Proteins for RIP140 Interactome in C2C12 Myoblasts

367. William Yoo (COL 2026)
   Advisor: Cornelius Taabazuing
   Spatiotemporal Regulation of Inflammasomes

368. Stephanie Yoon (SEAS 2024)
   Advisor: Laurence Eisenlohr
   Analysis of Antigen Processing and Presentation in mRNA Vaccines Using microRNA Targeting

369. Sana Yooseph (COL 2026)
   Advisor: Jens Witsch
   Comparison of Perihematomal Edema (PHE) around Intracerebral Hemorrhage (ICH) on CT versus MRI Scans

370. Ethan Yu (SEAS 2026)
   Advisor: Bingxin Zhao
   Data Harmonization Pipeline for GWAS

371. Melody Yu (COL 2024)
   Advisor: Andrew Edmondson
   Identifying the Pathophysiology of ATP6AP2-CDG Patient Symptoms

372. Aurora Yuan (COL 2025)
   Advisor: Brian White
   An Independent Replicability Study of MesoNet for Automated Segmentation and Landmark Identification in Functional Widefield Optical Imaging in Mice

373. Carlie Zhang (COL 2026)
   Advisor: Matthew Hayes
   Anatomical Analysis of the LDTg CTR to VTA Projection

374. Emily Zhang (SEAS 2026)
   Advisor: Riccardo Gottardi
   Improving Cell Infiltration and Visualization of Synthetic Scaffolds for Osteochondral Defect Repair

375. Joy Zhang (COL 2025)
   Advisor: Melissa Poulsen
   Extreme Heat and Cardiovascular Health Outcomes in the Context of the Climate Crisis: A Systematic Literature Review
376. Megan Zhang (COL 2025)
   Advisor: Xiaolu Yang
   SOD1 G93A Mouse Model

377. Patrick Zhang (COL, SEAS 2024)
   Advisor: Petra Todd
   Determinants of Child Maltreatment by Parents in Mexico

378. Carly Zhao (SEAS, WH 2026)
   Advisor: James Gugger
   Using Brain Imaging to Relate Epilepsy to Traumatic Brain Injuries and to Train a Deep Learning Model to Automatically Segment Lesions

379. Kerry Zhao (SEAS 2026)
   Advisor: Mathew Madhavacheril
   Discovering Cosmological Relations with Symbolic Machine Learning

380. Jojo Zhu (COL 2026)
   Advisor: Rahul Kohli
   All in One - Concurrent Genetic and Epigenetic Sequencing

381. Eric Zou (SEAS 2026)
   Advisor: Kathryn Davis
   Resting State Approximation and Language Network Characterization with Language Task fMRI