
SUMMER POSTER DAY

NIH SUMMER INTERNSHIP PROGRAM

AUGUST 6th, 2026

POSTER SESSION INFORMATION

NIH 2026 Summer Poster Day is organized into five in-person 75-minute poster sessions.

Highlights

- The poster sessions will be held at the Natcher Conference Center (Building 45) on the main campus in Bethesda.
- Sessions are organized by Institutes and Centers with the first session starting at 9:00 AM and the final session concluding at 3:55 PM. There is a ten-minute break in between sessions.

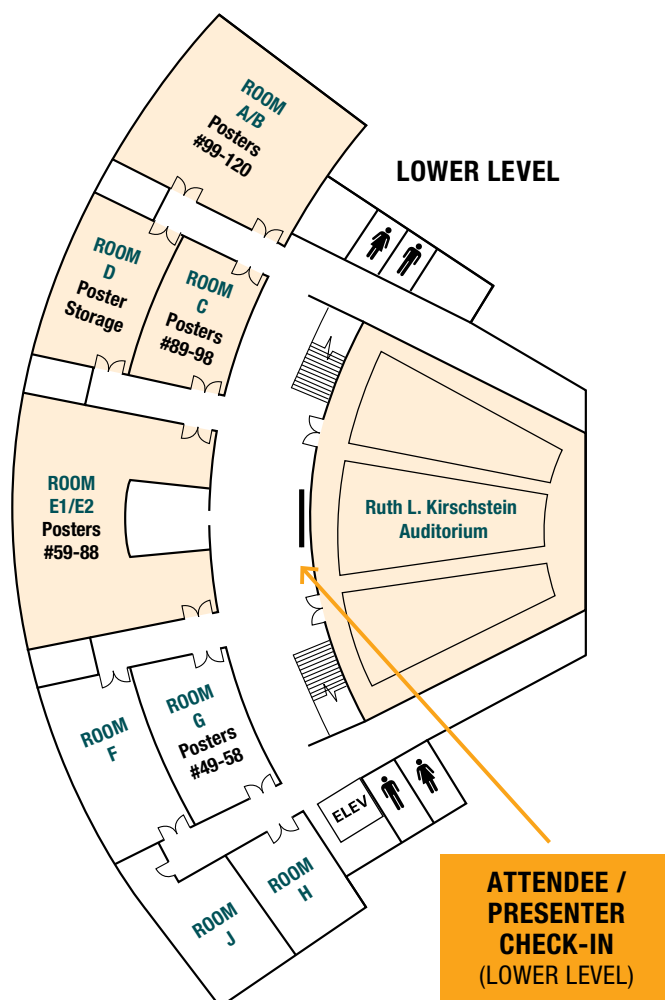
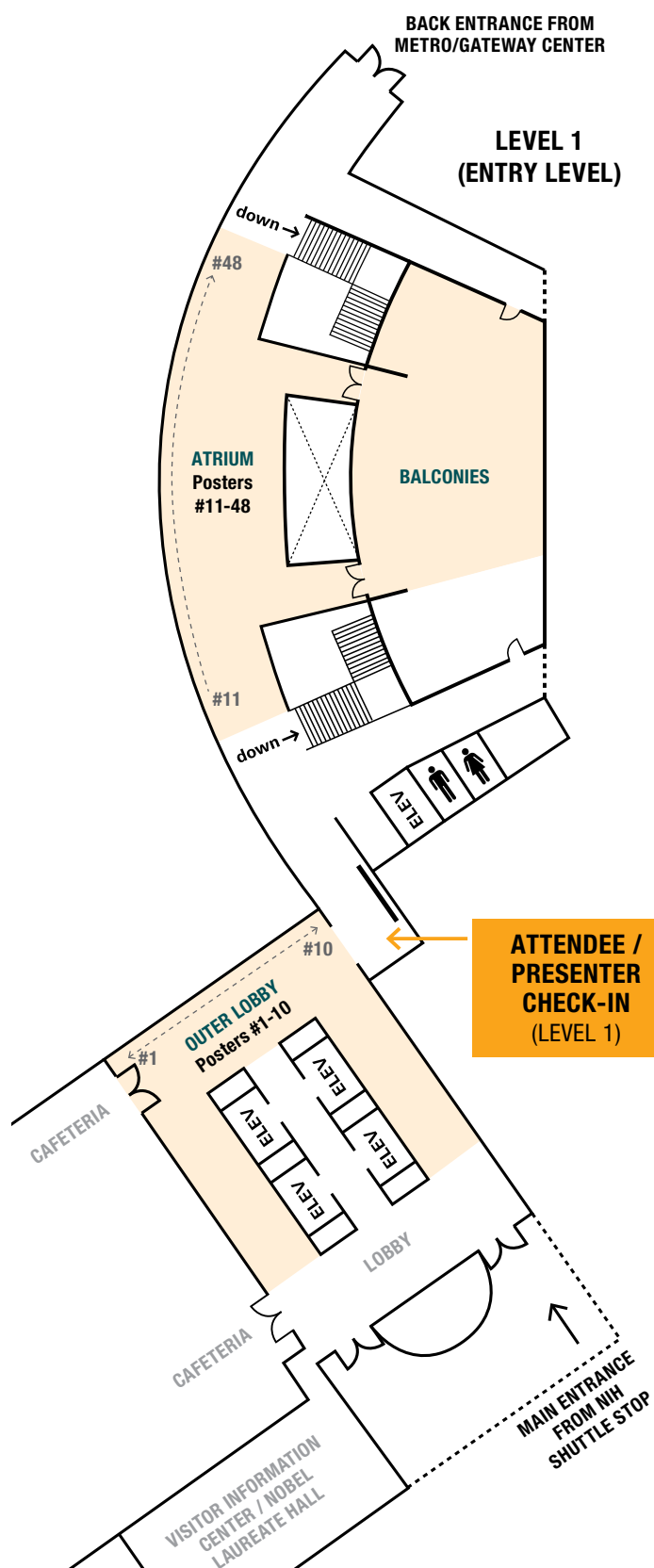
AGENDA

Session	Time	Institutes/Centers/Offices
1	9:00 AM - 10:15 AM	CC, NCI-DCEG, NIDCD, NIDCR, NIDDK
2	10:25 AM - 11:40 AM	NHLBI, NIAMS, NIBIB, NICHD, NIMH, NIMHD
3	11:50 AM - 1:05 PM	NEI, NIA, NIDA, NIEHS, NINDS, NLM
4	1:15 PM - 2:30 PM	NCCIH, NCI
5	2:40 PM - 3:55 PM	NCATS, NCI-Frederick, NHGRI, NIAAA, NIAID

NOTE: Presenters from NCI are divided into two sessions | NIH Summer Poster Day is sponsored by OITE

NIH SUMMER POSTER DAY

NATCHER CONFERENCE CENTER (BUILDING 45)



LOCATION	POSTER NUMBER
OUTER LOBBY	1 - 10
ATRIUM	11 - 48
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ROOM D	Poster Storage

INSTITUTES/CENTERS/OFFICES	SESSION	POSTER NUMBERS
Session 1: 9:00 AM - 10:15 AM		
CC - Clinical Center	1	001 - 039
NCI-DCEG - National Cancer Institute - Division of Cancer Epidemiology and Genetics	1	040 - 057
NIDCD - National Institute on Deafness and Other Communication Disorders	1	058 - 069
NIDCR - National Institute of Dental and Craniofacial Research	1	070 - 081
NIDDK - National Institute of Diabetes and Digestive and Kidney Diseases	1	082 - 118
Session 2: 10:25 AM - 11:40 AM		
NHLBI - National Heart, Lung, and Blood Institute	2	001 - 043
NIAMS - National Institute of Arthritis and Musculoskeletal and Skin Diseases	2	044 - 053
NIBIB - National Institute of Biomedical Imaging and Bioengineering	2	054 - 065
NICHHD - Eunice Kennedy Shriver National Institute of Child Health and Human Development	2	066 - 086
NIMH - National Institute of Mental Health	2	087 - 115
NIMHD - National Institute on Minority Health and Health Disparities	2	116
Session 3: 11:50 AM - 1:05 PM		
NEI - National Eye Institute	3	001 - 007
NIA - National Institute on Aging	3	008 - 044
NIDA - National Institute on Drug Abuse	3	045
NIEHS - National Institute of Environmental Health Sciences	3	046 - 048
NINDS - National Institute of Neurological Disorders and Stroke	3	049 - 094
NLM - National Library of Medicine	3	095 - 120
Session 4: 1:15 PM - 2:30 PM		
NCCIH - National Center for Complementary and Integrative Health	4	001 - 003
NCI - National Cancer Institute	4	004 - 117
Session 5: 2:40 PM - 3:55 PM		
NCATS - National Center for Advancing Translational Sciences	5	001 - 027
NCI - National Cancer Institute	5	028 - 050
NHGRI - National Human Genome Research Institute	5	051 - 067
NIAAA - National Institute on Alcohol Abuse and Alcoholism	5	068 - 078
NIAID - National Institute of Allergy and Infectious Diseases	5	079 - 119

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Clinical Center (CC)

1-001. Dania Abdalla (CC)

Exploring Differences in Muscle Attributes Between the Dominant and Non-dominant Limbs Using Quantitative Neuromuscular Ultrasound

Case Western Reserve University (Ohio)

Dr. Frances Gavelli, Dr. Katharine Alter

1-002. Mohib Ahmed (CC)

Who's at Risk? Cognitive and Affective Predictors of Substance Use

George Washington University (District of Columbia)

Preceptor: Dr. Jennifer Barb

1-003. Lohithasree (Siri) Bode (CC)

Effects of SARS-CoV-2 Component Proteins on Human Pulmonary Vascular Cell Senescence

University of California, Berkeley (California)

Dr. Colin Knight, Dr. Robert Danner

1-004. Flynn Casey (CC)

Assessing Error Sensitivity and Uncertainty Propagation in I-131 Therapy Dose Calculations

Lehigh University (Pennsylvania)

Preceptor: Dr. Roberto Maass-Moreno

1-005. Parsa Dadbam (CC)

Detection of Aspergillus Antigen in Urine: A Noninvasive Diagnostic Assay

Montgomery College (Maryland)

Preceptor: Dr. Amir Seyedmousavi

1-006. Maya De (CC)

Substance P-targeted toxins for analgesia and TACR1 expression in human dorsal horn and motor neuron subpopulations

University of North Carolina, Chapel Hill (North Carolina)

Dr. Michael Iadarola, Dr. Andrew Mannes

1-007. Alicia Guerrero-Gobert (CC)

Mapping Alpha Diversity Metrics: A Scoping Review

Montana State University (Montana)

Dr. Nicole Farmer, Dr. Siobhan Lawler

1-008. Kaz Hayes (CC)

PHAROS: Validity of a Lighthouse-based Motion-Tracking Ecosystem for BCI-Neurofeedback Rehabilitation Applications

Georgia Institute of Technology (Georgia)

Dr. Thomas Bulea, Mr. Andrew Gravunder

1-009. Brooke Hill (CC)

Somatic Mutation Detection in Hematopoietic Cells Using Targeted Next Generation Sequencing Technologies

University of California, Davis (California)

Preceptors: Dr. Katherine Calvo, Dr. Weixin Wang

1-010. George Ji (CC)

Design of a Dual-Modality Phantom for MRI-US Fusion: Isoechoic on Ultrasound and MRI-Visible

Columbia University in the City of New York (New York)

Preceptors: Dr. Ayele Negussie, Dr. Peter Pinto

1-011. Claudia Juarez (CC)

Assessing protein intake in healthy US adults: comparing the Recommended Dietary Allowance and Dietary Guidelines for Americans 2025-2030 recommendations

University of Maryland, College Park (Maryland)

Preceptors: Mrs. Shanna Yang, Mrs. Sara Turner

1-012. Sameel Karzai (CC)

LV Volume and Ejection Fraction a Paradoxical Diagnostic Tool for Septic Cardiomyopathy Severity

Georgetown University (District of Columbia)

Preceptor: Dr. Charles Natanson

1-013. Dandy Kitil (CC)

Mobilizing Healthcare IT: Support Systems and Workstation Deployment in the Clinical Center

University of Maryland, College Park (Maryland)

Preceptor: Mrs. Sharon McDowney

1-014. Maya Kromer (CC)

Utility and Associations of Physical Function Measures in CLN3 Disease

University of Freiburg (Germany)

Ms. Hanna Hildenbrand, Mr. Jesse Matsubara

1-015. Tanvi Kurundkar (CC)

Comparative Analysis of the Mutational Burden in Genes Encoding GPI-Linked Red Cell Membrane Proteins

University of Illinois at Urbana-Champaign (Illinois)

Preceptors: Dr. Willy Flegel, Dr. Kshitij Srivastava

1-016. Jonathan Lewis (CC)

Alemtuzumab Exposure Is Elevated in Cyclophosphamide Containing Hematopoietic Stem Cell Transplant Regimens: An ELISA-Based Pharmacokinetic Analysis

Georgetown College (Kentucky)

Dr. William Figg, Dr. Oluwatobi Arisa

1-017. Xiaofan Li (CC)

The Development of the PET Ordering System database: A System Design Approach

University of Maryland, College Park (Maryland)

Preceptor: Mr. Kris Kim

1-018. Anthony Robinson Jr (CC)

The PET Ordering System User Interface: How to Engineer Data Accuracy in a Multi-user Environment

University Of Maryland Eastern Shore (Maryland)

Mr. Kris Kim, Mr. Charles Fraser

1-019. Allen Yoo (CC)

AI-Driven Software Development of a New PET Ordering System

University of Maryland, College Park (Maryland)
Mr. Kris Kim, Mr. Charles Fraser

1-020. Natalie Lin (CC)

Pediatric exoskeleton controller design for step-over-step and step-by-step stair navigation

University of North Carolina at Chapel Hill (North Carolina)

Preceptors: Dr. Thomas Bulea, Dr. Noah Rubin

1-021. Rhys Lossman (CC)

Analysis of Allergic, Anaphylactic, and Anaphylactoid Transfusion Reaction Laboratory Data From NIH Clinical Center, 2007-2024, to Identify Evidence for Transfusion-Related Alpha-gal Syndrome

Georgetown University (District of Columbia)
Dr. Valeria De Giorgi, Dr. Maureen Miller

1-022. Sarah Meyer (CC)

Comparative population genomics of Pneumocystis fungal pathogens across primate hosts: characterizing genetic diversity and signatures of host-specific adaptation

Worcester Polytechnic Institute (Massachusetts)
Dr. Ousmane Cisse, Dr. Joseph Kovacs

1-023. Liam Meyers (CC)

Intratumoral Delivery of a Small Molecule Checkpoint Inhibitor with Lipiodol for Transarterial Chemoembolization of Liver Cancer

Pennsylvania State University (Pennsylvania)
Preceptors: Dr. Andrew Mikhail, Dr. Peter Pinto

1-024. Caroline Murray (CC)

Understanding Juvenile Neuronal Ceroid Lipofuscinosis/CLN3/Juvenile Batten's Disease

East Carolina University (North Carolina)
Preceptor: Dr. Rosa Rousseau

1-025. Khoa-Nathan Ngo (CC)

A thematic analysis of a nature-based VR intervention in family caregivers of allogeneic hematopoietic stem cell transplant (HSCT) recipients

University of California, Los Angeles (California)
Preceptor: Dr. Lena Lee

1-026. Adu Ofori (CC)

Association of CD36 Expression with Cholesterol Levels in Sickle Cell Disease

University of Cincinnati (Ohio)
Preceptor: Dr. Nicole Farmer

1-027. Omar Ortiz Guadalupe (CC)

Characterizing the functional profile of people with RYR1-Rd: a cross sectional analysis of physical therapy and occupational outcome measures

Universidad del Sagrado Corazon (Puerto Rico)
Preceptors: Dr. Minal Jain, Dr. Lawal Tokunbor

1-028. Peter Pinto (CC)

Methodologies for Assessing Nociceptive Phenotypes

Davidson College (North Carolina)

Preceptor: Dr. Zena Quezada

1-029. Christopher Rada (CC)

Mapping Whole Body Single Cell Expression Profiling for the Druggable Genome

University of Maryland Global Campus (Maryland)
Preceptor: Dr. Matthew Sapio

1-030. Tessa Schauermaann (CC)

A Deep Learning Model for Universal Lesion Segmentation in Abdominal MRI Scans

Johns Hopkins University (Maryland)
Dr. Ronald Summers, Dr. Tejas Mathai

1-031. Monica Shanthamurthy (CC)

Shared Immunotranscriptomic Features of Feline Chronic Gingivostomatitis and Radiation-Induced Oral Mucositis: Implications for Resiniferatoxin as a Therapeutic strategy

Montgomery College (Maryland)
Preceptor: Dr. Andrew Mannes

1-032. Sameeta Siraj (CC)

Intrahepatic Cholangiocarcinoma: Diagnosis, Management, and the Role of Hepatic Arterial Infusion Pump Therapy

Montgomery College (Maryland)
Preceptor: Mrs. Celeste Klutsey

1-033. Ryan Smith (CC)

Genetic variants in the ACHS gene encoding the YT blood group system: An exploratory study of large genome databases

Johns Hopkins University (Maryland)
Preceptor: Dr. Kshitij Srivastava

1-034. Valerie Su (CC)

Midgut Carcinoid: GI Neuroendocrine Tumors

University of Michigan (Michigan)
Mr. Philip Bernaldez, Ms. Wujin Choi

1-035. Bethany Mariel Suliguin (CC)

Molecular Epidemiology of Pneumocystis in Marine Animals

Princeton University (New Jersey)
Dr. Joseph A. Kovacs, Dr. Liang Ma

1-036. Marcello Twahirwa (CC)

AI Classification of Couinaud Segments on T1 MRIs

Tulane University School of Medicine (Louisiana)
Preceptors: Dr. Ronald Summer, Dr. Mathai Tejas

1-037. Mary Vandersluis (CC)

Family Social Support and Health in Patients with Colorectal Cancer and Caregivers

University of Pittsburgh (Pennsylvania)
Preceptor: Dr. Lena Lee

1-038. Alyssa Wang (CC)

Artificial Intelligence for Automated Processing and Analysis of Nuclear Medicine Gastric Emptying Procedures
Brown University (Rhode Island)
Preceptor: Dr. Darko Pucar

1-039. Kevin Zhang (CC)

An in situ-Forming Thermosensitive Hydrogel for Image-Guided Intratumoral Delivery of Cancer Immunotherapy
Johns Hopkins University (Maryland)
Preceptors: Dr. Andrew Mikhail, Dr. Peter Pinto

National Cancer Institute - Division of Cancer Epidemiology and Genetics (NCI-DCEG)

1-040. Aalo Choudhary (NCI-DCEG)

Delta-TWAS: Distinguishing Expression-Driven and Splicing-Driven Transcriptomic Associations Across Multiple Cancers
University of Texas at Austin (Texas)
Preceptor: Dr. Diptavo Dutta

1-041. Reina Faye Evangelista (NCI-DCEG)

Temporal trends in breast cancer incidence from 2006-2019 by persistent poverty, estrogen receptor status, race and ethnicity: A SEER-17 based analysis
University of Guam (Guam)
Preceptor: Dr. Jonine Figueroa

1-042. Ananya Gottumukkala (NCI-DCEG)

A Confidence-Aware Hierarchical Framework for Cell Type Annotation in Xenium Spatial Transcriptomics
Nova Southeastern University (Florida)
Dr. Wei Zhao, Dr. Maria Teresa Landi

1-043. Sarah Griffin (NCI-DCEG)

Phenome-Wide Association Study of TCRA-TCRD Locus Variants in the All of Us Research Program
University of Michigan (Michigan)
Dr. Jun Tao, Dr. Aimee Kreimer

1-044. Juliana Guerrero-Gobert (NCI-DCEG)

Agricultural, Non-Occupational, and Off-Farm Exposures in the Agricultural Health Study Spouses
Montana State University (Montana)
Dr. Stella Koutros, Dr. Melissa Friesen

1-045. Sara Hawley (NCI-DCEG)

Characterizing the Genomic Landscape of Mosaic Chromosomal Alteration Breakpoints in Cancer Survivors
University of Maryland, Baltimore County (Maryland)
Dr. Mitchell Machiela, Dr. Rebecca Kelly

1-046. Vahin Kakarla (NCI-DCEG)

Long Read Sequencing Analysis of Cervical Tumors with YAP1 Oncogene Amplifications
Johns Hopkins University (Maryland)
Preceptors: Dr. Michael Dean, Dr. Sonam Tulsyan

1-047. Katie McDermott (NCI-DCEG)

Influence of Genetic Risk and Outdoor Air Pollution on Breast Cancer Risk in PLCO
University of California, Berkeley (California)
Preceptors: Dr. Peter Kraft, Dr. Jayati Sharma

1-048. Yu Fan Mei (NCI-DCEG)

Comparison of Registry and Survey-based Brain Tumor Ascertainment in the U.S. Radiologic Technologists Study
Georgetown University (District of Columbia)
Dr. Isabelle Van Der Velpen, Dr. Cari Kitahara

1-049. Elliott Mercer (NCI-DCEG)

Polygenic Risk Stratification for Clinically Significant Prostate Cancer: A Retrospective Analysis of the PLCO Trial
Texas A&M University (Texas)
Preceptor: Dr. Mitchell Machiela

1-050. Avani Newrekar (NCI-DCEG)

Single-cell multi-omics of lung tissues prioritize genes and regulatory elements contributing to lung cancer risk
George Mason University (Virginia)
Dr. Bolun Li, Dr. Jiyeon Choi

1-051. Ava Noorchashm (NCI-DCEG)

Transforming Free-Text Pathology Reports into Structured Data: Using Artificial Intelligence to Extract and Classify Gynecologic Conditions and Tumor Subtypes
University of Chicago (Illinois)
Preceptor: Dr. Akemi Wijayabahu

1-052. Chimeremmma Nwokwu (NCI-DCEG)

The Association of Mammographic Breast Density and Stromal Disruption in the Normal Breast
University of Maryland Eastern Shore (Maryland)
Dr. Mustapha Abubakar, Mrs. Shaoqi Fan

1-053. Harshil Patel (NCI-DCEG)

Occupational Radiation Doses to Nuclear Medicine Technologists During Routine Clinical Tasks
North Carolina State University (North Carolina)
Dr. Choonsik Lee, Dr. Haegin Han

1-054. Isha Patel (NCI-DCEG)

Racial and Ethnic Differences in Subsequent Breast Cancer Risk among Female Childhood, Adolescent and Young Adult Cancer Survivors
Emory University (Georgia)
Preceptor: Dr. Yuehan Wang

1-055. Michael Poirier (NCI-DCEG)

Metabolomics identifies novel biomarkers of blood cancer risk
George Washington University (District of Columbia)
Preceptors: Dr. Steven Moore, Dr. Eleanor Watts

1-056. Cristina Rojo (NCI-DCEG)

Hormonal Contraceptive Use and Breast Cancer Risk by Molecular Subtype in the Ghana Breast Health Study
Cornell University (New York)
Preceptor: Dr. Jonine Figueroa

1-057. Rachel Selvaraj (NCI-DCEG)

Modeling Longitudinal HPV Infection Data with a Mixed-Effects Markov Framework: Application to the ESCUDDO Trial
University of North Carolina at Chapel Hill (North Carolina)
Dr. Li Cheung, Dr. Danping Liu

National Institute on Deafness and Other Communication Disorders (NIDCD)

1-058. Lexy Boudreau (NIDCD)

Modeling Efferent Neurons
North Carolina State University (North Carolina)
Preceptor: Dr. Catherine Weisz

1-059. Jeremy Casanova (NIDCD)

Single-Cell Profiling of Cochlear Epithelium from Embryonic Development to Early Postnatal Stages
University of Maryland (Maryland)
Dr. Matthew Kelley, Dr. Sofia Gallino

1-060. Mohsen Chaherli (NIDCD)

Structural and Molecular Consequences of Ikzf2 Loss in Adult Cochlear Outer Hair Cells
Columbia University (New York)
Preceptors: Dr. Ronna Hertzano, Dr. Christopher Shults

1-061. Elennyel Correa (NIDCD)

HearGene Connect™ Registry: Outreach Engagement and Educational Awareness
University of California San Diego (California)
Preceptors: Dr. Ronna Hertzano, Dr. Isabelle Roux

1-062. Olivia DePasquale (NIDCD)

VEMPs Decoded: Unraveling the Clinical Utility
University of Tennessee Health Science Center (Tennessee)
Preceptor: Dr. Gayla Poling

1-063. Mya Guerrero Torres (NIDCD)

Examining the GABA Shift in the Early Postnatal Mouse Cochlea
University of North Carolina at Chapel Hill (North Carolina)
Dr. Catherine Weisz, Dr. Holly Beaulac

1-064. Alex Halama (NIDCD)

The Role of FGFR3 Ligands in Spiral Ganglion Neuron Development and Survival
Colgate University (New York)
Dr. Tessa Sanders, Dr. Matt Kelley

1-065. Kaylee Ishihara (NIDCD)

Inside Out: Otoacoustic Emissions Beyond the Booth
University of California, San Diego (California)
Dr. Gayla Poling, Dr. Noelle Allemang

1-066. Maygui Jean (NIDCD)

"Listening to Lipids: Cholesterol Effects on Age-Related Hearing Loss"
Morehouse School of Medicine (Georgia)
Dr. Lizhen Wang, Dr. Lisa Cunningham

1-067. Lukas Kobban (NIDCD)

Examining Cochlear Development in a Tafa3Cre;Atoh1fx-Mediated Model of Inner Hair Cell-Specific Deletion
Colgate University (New York)
Dr. Matthew Kelley, Dr. Elizabeth Driver

1-068. Persia Mirkazemi (NIDCD)

The Role of SALL Transcription Factors in Inner Ear Development
University of Minnesota Medical School - Twin Cities (Minnesota)
Preceptors: Dr. Matthew Kelley, Dr. Susumu Sakamoto

1-069. Brandon Noimany (NIDCD)

Establishing a Cell-Based Platform to Study TMC Scramblase Activity
University of California, Los Angeles (California)
Preceptor: Dr. Angela Ballesteros

National Institute of Dental and Craniofacial Research (NIDCR)

1-070. Eli Bull (NIDCR)

The Development of Fibrin Microbeads with Limb-bud Mesoderm to Create Stable Cartilage Organoid
University of Maryland, College Park (Maryland)
Preceptor: Dr. Pamela Robey

1-071. Christian Davis (NIDCR)

Investigating the Effects of Copeptin in the Regulation of Vascular Smooth Muscle Cell
Howard University College of Dentistry (District of Columbia)
Dr. Abhinav Parashar, Dr. Eva Mezey

1-072. Italy Fuentes (NIDCR)

Validation of Granzyme K Purity
Houston Christian University (Texas)
Preceptors: Dr. Blake Warner, Dr. Paola Perez

1-073. Hannah Hoffman (NIDCR)

Glycoengineering Polysaccharides from the Oral Pathobiont Prevotella Intermedia
Haverford College (Pennsylvania)
Dr. Nadine Samara, Dr. Chengxin Li

1-074. Tiffany Ji (NIDCR)

Investigating the biological basis of craniofacial suture anomalies in Loeys-Dietz Syndrome
Columbia University College of Dental Medicine (New York)
Preceptor: Dr. Janice Lee

1-075. Angela Lao (NIDCR)

BRAF/MEK Inhibition Induces Epithelial Senescence
University College London (England)
Dr. Blake Warner, Miss Rachel Kulchar

1-076. Karen Lin (NIDCR)

Understanding Bacterial Defenses to Improve Phage Therapy: Characterization of an Anti-Phage Defense System
University of Rochester (New York)
Preceptor: Dr. Akintunde Emiola

1-077. Sravya Pailla (NIDCR)

The Role of Nanog and Oct4 in the Human Neural Crest: A Multi-Omic Perspective
Georgetown University School of Medicine (District of Columbia)
Preceptor: Dr. Laura Kerosuo

1-078. Christine Rollinson (NIDCR)

Radiation-Induced Loss of TRPV4 and KCNN4 in Salivary Gland Acinar Cells Contributes to Xerostomia
Case Western Reserve University (Ohio)
Dr. John Chiorini, Miss Federica Bichicchi

1-079. Ava Sharma (NIDCR)

Exploration of Novel Autoantibody Targets in Sjogren's Disease
Brown University (Rhode Island)
Preceptor: Dr. Peter Burbelo

1-080. Aja Shelton (NIDCR)

More than structural support: Fibroblast's impact on periodontitis progression
University of Howard College of Dentistry (District of Columbia)
Dr. Niki Moutsopoulos, Dr. Tomoko Ikeuchi

1-081. Brittany Smith (NIDCR)

Effects of Streptococcus sanguinis on Oral Pathogen-Induced EBV Reactivation
Howard University College of Dentistry (District of Columbia)
Preceptors: Dr. Jennifer Webster-Cyriaque, Dr. Todd Seaman

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

1-082. Arnav Akhauri (NIDDK)

Characterizing NLP-16 Expression in C. elegans
University of Michigan, Ann Arbor (Michigan)
Ms. Areebah Rahman, Dr. Ashley Frakes

1-083. Daniela Kaylee Arif (NIDDK)

Parameter Optimization of Replication Timing Simulator
University of California, Los Angeles (California)
Preceptor: Dr. Florencia Pratto

1-084. Claudia Barbieri (NIDDK)

Structural Insights into Catalysis by the C39 Protease
University of California, Irvine (California)
Preceptor: Dr. Carole Bewley

1-085. Hazel Blake (NIDDK)

Mix Meal Tolerance Test in Clinical Research Setting: a Methodological Analysis
Northern Arizona University (Arizona)
Preceptor: Dr. Susanne Votruba

1-086. Madeleine Brown (NIDDK)

Deciphering the role of eKras in T follicular helper (Tfh) Cell Biology
Texas State University (Texas)
Dr. Behdad Afzali, Dr. Dhaneshwar Kumar

1-087. Marley Cosgrove (NIDDK)

Mechanisms of Nuclear Elongation in Response to Mating Pheromone in Budding Yeast
University of Maryland, Baltimore County (Maryland)
Preceptors: Dr. Orna Cohen-Fix, Dr. Jason Rogers

1-088. Isaac Francis (NIDDK)

Investigating the Regulatory Effect of Genetic Variant on GLP-1 Receptor
Northern Arizona University (Arizona)
Dr. Leslie Baier, Dr. Fehmida Khan

1-089. Dylan Franklin (NIDDK)

Diabetes Distress, Resilience, and Unpredictability as Predictors of Glucose Variability in Youth-Onset Type 2 Diabetes
Howard University (District of Columbia)
Preceptors: Dr. Stephanie Chung, Mr. Nathan Grant Sala

1-090. Nathan Gu (NIDDK)

Myeloid Loss of Iron Chaperones PCBP1 & PCBP2 Disrupts Systemic Iron Homeostasis and Macrophage Function
Johns Hopkins University (Maryland)
Preceptor: Dr. Olga Protchenko

1-091. Stanislaw Gwiedzinski (NIDDK)

Evidence for a Regional Developmental Niche Regulating Mouse S- and M-Cone Fate
Princeton University (New Jersey)
Dr. Hong Liu, Dr. Douglas Forrest

1-092. Tarun Jacob (NIDDK)

Disentangling Weight Loss from Nausea: An Antibody-GLP-1 Conjugate for Probing the Contributions of GLP-1R/GFRAL Co-expressing Area Postrema Neurons
University of Pennsylvania (Pennsylvania)
Dr. Andrew Lutas, Dr. Ross Cheloha

1-093. Natalia Jedlinska-Obrzut (NIDDK)

Evaluation of Estrogen Receptors in Thyroid Cancer Cells
Cypress Bay High School (Florida)
Dr. Rhitajit Sarkar, Dr. Joanna Klubo-Gwiedzinska

1-094. Selin Kalfa (NIDDK)

Regional Analysis of Astrocyte and Microglial Changes in CPE Knockout Mice
University of Maryland (Maryland)
Preceptors: Dr. Ashley Bowers, Dr. Carrie Sheeler

1-095. Natasha Kejriwal (NIDDK)

CAG Repeat Length and Age Influence Repeat Contraction in Huntington's Disease Mice

Ohio State University (Ohio)

Preceptors: Dr. Karen Usdin, Dr. Xiaonan Zhao

1-096. Minal Khokhar (NIDDK)

The Characterization of Extracellular Vesicles in Healthy Donor Blood

University of Maryland College Park (Maryland)

Dr. Theo Heller, Dr. Rownock Afuza

1-097. Ben Kinzelberg (NIDDK)

Functionalizing Nanopore Walls in Anodic Aluminum Oxide with FG-Repeat Peptides: A Novel Platform for Nuclear Pore Mimicry

Cornell University (New York)

Preceptors: Dr. Robert Tycko, Dr. Wancheng Zhao

1-098. Stella Koch (NIDDK)

Rigid (N)-methanocarba nucleosides as monoamine transporter modulators: rationalizing the SAR of 2-arylethynyl and extended 5'-amide groups through molecular modeling

Reed College (Oregon)

Preceptors: Dr. Kenneth Jacobson, Dr. Matteo Pavan

1-099. Yunyi Ling (NIDDK)

Structural Characterization of the Translation Inhibiting Complex Between Human Interferon Gamma mRNA and Protein Kinase R

Massachusetts Institute of Technology (Massachusetts)

Preceptor: Dr. Jinwei Zhang

1-100. Caia Lomeli (NIDDK)

Trapping the BAM complex: Purification of an early stage outer membrane protein folding intermediate bound to the E. coli barrel assembly machine

University of California Santa Cruz (California)

Preceptors: Dr. Harris Bernstein, Dr. Yiying Yang

1-101. Derek Lopez (NIDDK)

DKCEM Digestion Times For Kidney Cell Transwells

University Of Puerto Rico of Humacao (Puerto Rico)

Preceptors: Dr. Robert Star, Dr. Andrea Sanchez

1-102. Meredith Midgett (NIDDK)

Of Mice and Malaise: Determining the Impact of Central Amygdala Dopamine Signaling on Conditioned Taste Aversion

McGill University (Canada)

Dr. Andrew Lutas, Dr. Damien Kerspern

1-103. Joanna Pagedas (NIDDK)

Design and Synthesis of New Lipid Anchored A1 Adenosine Receptor Positive Allosteric Modulators (PAMs)

University of Wisconsin-Madison (Wisconsin)

Preceptors: Dr. Kenneth Jacobson, Dr. Paola Oliva

1-104. Tristan Pasquale (NIDDK)

The Role of FFAR1 in Intestinal Nutrient Sensing and Incretin Secretion

Vanderbilt University (Tennessee)

Dr. Jurgen Wess, Dr. Liu Liu

1-105. Christian Pfeffer-Kleemann (NIDDK)

The effects of differing insulin signal pathways on fibrinolysis in severe insulin resistance syndromes

Macon and Joan Brock Virginia Health Sciences Eastern

Virginia Medical School at Old Dominion University (Virginia)

Dr. Marissa Lightbourne, Dr. Rebecca Brown

1-106. Katherine Pinto (NIDDK)

Portal Cell-Free RNA as a Window into Gut-Liver Biology in HCV Patients Before and After Treatment

Hamilton College (New York)

Preceptor: Dr. Theo Heller

1-107. Adam Qaddumi (NIDDK)

How extracellular vesicles affect human coronary artery endothelial cells (HCAECs)

The George Washington University (District of Columbia)

Dr. Malak Abbas, Dr. Ahmed Gharib

1-108. Achyut Reddy (NIDDK)

Mechanistic Modeling of Endothelial Insulin Resistance and Microvascular Recruitment in Obesity

Johns Hopkins University (Maryland)

Preceptor: Dr. Raganath Muniyappa

1-109. Kayla Schachter (NIDDK)

Engineering Nanobody-Peptide Conjugates to Probe GPCR Signaling Mechanisms

University of Maryland, College Park (Maryland)

Preceptors: Dr. Ross Cheloha, Dr. Shubhra Saha

1-110. James Shriver (NIDDK)

O-GlcNAc Cyclin Influences Expression of the Pluripotency Factor Zscan4

Amherst College (Massachusetts)

Dr. Jessica de Paula, Dr. John Hanover

1-111. Brooke Smith (NIDDK)

High-Throughput Media Screening for Discovery of Bioactive Secondary Metabolites in Burkholderia thailandensis

Colgate University (New York)

Dr. Carole Bewley, Dr. Mo Aqib Raza Khan

1-112. Ashton Swayze (NIDDK)

Investigating Oxidative Phosphorylation Gene Transcription During Fasting and Refeeding in Hepatocytes

Oklahoma State University (Oklahoma)

Preceptors: Dr. Yaron Rotman, Dr. Hareshh Sajir

1-113. Brian Tu (NIDDK)

Development of a Cocktail Method for Selecting Top Gene Markers and Top Gene ANOVA Pathways by Metadata

Analysis of Glucosamine Supplementation for Osteoarthritis

Ohio State University (Ohio)

Dr. John Hanover, Dr. Weiping Chen

1-114. Arif Vempalle (NIDDK)

Investigating the Link Between Iron Co-Chaperone BOLA2 and MitoNEET in Cellular Iron Trafficking
 Johns Hopkins University (Maryland)
 Dr. Caroline Philpott, Dr. Andres Leon Torres

1-115. Rory Walsh (NIDDK)

Immune-Adipose Crosstalk Regulates Preadipocyte Differentiation
 University of Notre Dame (Indiana)
 Preceptor: Dr. Sushil Rane

1-116. Sirichandana Yakkala (NIDDK)

Molecular and Functional Characterization of Transcriptional Regulators in the Vertirhodin Biosynthetic Pathway
 Chantilly High School (Virginia)
 Dr. Carole Bewley, Dr. Rashmi Kumariya

1-117. Melody Zeng (NIDDK)

Control of Master Transcriptional Regulator, BACH2, in B and T Cells
 Tufts University School of Medicine (Massachusetts)
 Dr. Behdad Afzali, Dr. Jianping Ma

1-118. Meng Zhao (NIDDK)

Investigating the Protective Effects of Dapagliflozin on Uremic Toxin- Induced Injury in Proximal Tubule Cells
 The George Washington University (District of Columbia)
 Preceptors: Dr. Robert Star, Dr. Andrea Sanchez-Navarro

National Heart, Lung, and Blood Institute (NHLBI)

2-001. Riddick Ammons (NHLBI)

Role of Langerhans Cells in Modulating the Immune Response in Salivary Glands
 Colgate University (New York)
 Dr. Graham Brogden, Dr. Nihal Altan-Bonnet

2-002. Deborah Anteneh (NHLBI)

Automating Analysis for Non-Contrast Pulmonary Perfusion Imaging
 University of Pennsylvania (Pennsylvania)
 Dr. Ahsan Javed, Dr. Adrienne Campbell-Washburn

2-003. Kaleab Ayele (NHLBI)

Optimization of Telomere Length Measurement in Sickle Cell Disease Patients Using ddPCR
 Yale University (Connecticut)
 Preceptors: Dr. Rialnat Lawal, Dr. Swee Lay Thein

2-004. Emma Chang (NHLBI)

Impact of Neuro-vascular interactions on Cardiomyocyte Maturation
 Georgia Institute of Technology (Georgia)
 Preceptors: Dr. William Kowalski, Dr. Yosuke Mukoyama

2-005. Amanda Chen (NHLBI)

Cell-Free DNA as a Predictor of Post-Transplant Hospitalization in Lung Transplant Recipients
 University of Pennsylvania (Pennsylvania)
 Dr. Sean Agbor-Enoh, Joby Mathew

2-006. Mackenzie Chen (NHLBI)

Investigating the Joint Associations of Total Protein Intake and Genomic Instability on Heart Failure Risk in the Atherosclerosis Risk in Communities Study
 University of Virginia (Virginia)
 Dr. Jason Wong, Mr. Gabriel Goodney

2-007. Atli Davidsson (NHLBI)

Development of an Automated SABRE Hyperpolarization Platform
 University of Maryland College Park (Maryland)
 Preceptors: Dr. Rolf Swenson, Dr. Ronald Walsworth

2-008. Abigail Eta (NHLBI)

ID-1 Depletion in an Immortalized Mouse Cell Line as a Model to Study ID-1 Inhibition in Sickle Cell Disease-Related Clonal Hematopoiesis
 George Washington University (District of Columbia)
 Dr. Courtney Fitzhugh, Dr. Kristbjorn Gudmundsson

2-009. Shalom Etchu (NHLBI)

Blood Collection vs. Plasma Storage Tubes: Which Combination Maximizes cell-free DNA Yield?
 Augusta University (Georgia)
 Dr. Sean Agbor-enoh, Dr. Hyesik Kong

2-010. Shalom Etchu (NHLBI)

Maximizing cell-free DNA yield with optimized blood collection and plasma storage tubes
 Augusta University (Georgia)
 Dr. Sean Agbor-Enoh, Dr. Hyesik Kong

2-011. Nneamaka Ezimorah (NHLBI)

Neonate ApoB Concentration and the Golden Solution for Familial Hypercholesterolemia Detection
 The University of Maryland, College Park (Maryland)
 Preceptors: Dr. Anna Wolska, Dr. Alan Remaley

2-012. Neel Gaitonde (NHLBI)

Clinical Data Extraction and Interpretation - an Electronic Medical Records Based Study
 The University of Texas at Austin (Texas)
 Dr. Véronique Roger, Dr. Daniela Gutierrez Torres

2-013. Michael Gao (NHLBI)

Investigating Mechanisms underlying the regulation of Ileal Tregs
 University of Pittsburgh (Pennsylvania)
 Dr. Warren Leonard, Dr. Masaki Ishikawa

2-014. Hannah Gormley (NHLBI)

Induction and Maintenance of Erythropoietic Stress Using Serial Phlebotomy in a Murine Model of Sickle Cell Disease
 Rice University (Texas)
 Dr. Courtney Fitzhugh, Dr. Mohamed Ahmed

2-015. Joell Graham (NHLBI)

Integrating Clinical Characteristics and cfDNA Trajectories to Phenotype CLAD After Lung Transplantation
 Meharry Medical College (Tennessee)
 Dr. Muhtadi Alnababteh, Dr. Sean Agbor-Enoh

2-016. Joell Graham (NHLBI)

Characterizing CT Phenotypes to Estimate the Timing of Chronic Lung Allograft Rejection
 Meharry Medical College (Tennessee)
 Dr. Sean Agbor-Enoh, Dr. Muhtadi Alnababteh

2-017. Melinda Huang (NHLBI)

Mathematical Modeling of Unfolded Protein Response Dynamics Reveals a Stress-Dependent Bifurcation Driving Lineage-Selective Apoptosis in VEXAS Syndrome
 Princeton University (New Jersey)
 Dr. Neal Young, Dr. Shouguo Gao

2-018. Joshua Iceland (NHLBI)

The Role of the Il2ra Super-enhancer in Immune Cell Development
 University of Pennsylvania (Pennsylvania)
 Dr. Rosanne Spolski, Dr. Warren Leonard

2-019. Inna Ionin (NHLBI)

Screening of WIPI2 for Targeted Autophagy Therapeutics
 Towson University (Maryland)
 Preceptors: Dr. Nico Tjandra, Dr. Marie-Paule Strub

2-020. Caitlyn Johnson (NHLBI)

Hydroxyurea-inducible SAR1A gene activates $\alpha\epsilon$ -globin expression via AP-1 transcription factor
 Morehouse School of Medicine (Georgia)
 Dr. Griffin Rodgers, Dr. Chutima Kumkhaek

2-021. Katelin Lar (NHLBI)

ABCB1 Transporters and Ibrutinib Resistance in Chronic Lymphocytic Leukemia
 University of Maryland, College Park (Maryland)
 Preceptors: Dr. Adrian Wiestner, Dr. Chingiz Underbayev

2-022. Madison Lee (NHLBI)

Epidermal nevus in Tuberous Sclerosis Complex
 Tzu Chi University (Taiwan)
 Dr. Joel Moss, Dr. Thomas Darling

2-023. Jaden Li (NHLBI)

Investigating the Role of SoxF Transcription Factors in Transcriptional Repression of PROX1 in Brain Endothelial Cells
 Johns Hopkins University (Maryland)
 Preceptors: Dr. Sara Gonzalez Hernandez, Dr. Yosuke Mukoyama

2-024. Victoria Li (NHLBI)

Investigating the Conformational Dynamics of Organic Anion Transporters Using Site-Specific Fluorescence Resonance Energy Transfer
 Johns Hopkins University (Maryland)
 Preceptors: Dr. Jiansen Jiang, Dr. Shi Shu

2-025. Evan Liu (NHLBI)

Effects of VDAC1 Oligomerization Inhibitors (IVOs) on Mitochondrial Permeability Transition Pore (mPTP) Opening
 Messiah University (Pennsylvania)
 Dr. Shutong Yang, Dr. Jay Chung

2-026. Vivian Long (NHLBI)

Optimization of Magnetic Geometries and Stage Calibration for Magnetic Tweezers
 Wellesley College (Massachusetts)
 Dr. Keir Neuman, Dr. Adam Fineberg

2-027. Kyle Oimoen (NHLBI)

Magnetic Tweezer Design and Stage Benchmarking for Single-Molecule Topology Experiments
 North Carolina State University (North Carolina)
 Dr. Keir Neuman, Dr. Adam Fineberg

2-028. Advait Nair (NHLBI)

Branching Architecture of the Renal Cortex Controls Potassium Excretion: A Computational Model of the Cortical Collecting Duct
 University of Texas at Austin (Texas)
 Preceptor: Dr. Mark Knepper

2-029. Allen Christian Nieva (NHLBI)

Investigating the Modifying Effects of Psychosocial Factors and Race on Associations between Neighborhood Environmental Characteristics and Vascular Inflammation
 Princeton University (New Jersey)
 Dr. Tiffany Powell-Wiley, Dr. Marcus Andrews

2-030. Xavier Orlic (NHLBI)

Engineering Antibody-Resistant Hematopoietic Stem Cells through Targeted CD117 (KIT) Epitope Editing
 Dartmouth College (New Hampshire)
 Preceptors: Dr. Selami Demirici, Dr. John Tisdale

2-031. Emily Pan (NHLBI)

Investigating Time-Dependent Effects of Mitapivat on Red Blood Cell Membrane Integrity
 University of California, San Diego (California)
 Dr. Swee Lay Thein, Dr. Kang Le

2-032. Aryan Pandey (NHLBI)

Temporal and Spatial Dynamics in Cardiomyocyte Cell Death Signaling During Myocardial Infarction
 Vanderbilt University (Tennessee)
 Dr. Brian Glancy, Dr. Arielys Mendoza

2-033. Elise Park (NHLBI)

Exploring Human WASF3 Function in Drosophila: An Approach to Modeling Chronic Fatigue Syndrome (ME/CFS)
 Brown University (Rhode Island)
 Preceptor: Dr. Paul Hwang

2-034. Angel Perez-Martinez (NHLBI)

Anisotropy Analysis in Fluorescence Lifetime Imaging Microscopy (FLIM)
 Graduate Center of The City University of New York (New York)
 Dr. Jay Knutson, Dr. Katie Link

2-035. Labeeba Rahman (NHLBI)

Investigating the Role of Cell-Intrinsic C5 in B-Cell Activation and Function

University of Maryland, College Park (Maryland)
Preceptors: Dr. Claudia Kemper, Dr. Muhammad Jubayer Rahman

2-036. Elizabeth Smith (NHLBI)

Investigating the Role of TDP-43 in Stress Granule Formation

Northwestern University (Illinois)
Preceptors: Dr. Jennifer Lee, Dr. Matthew Watson

2-037. Zoe Smith (NHLBI)

Food Insecurity, Psychological Distress, and Lipids: Exploring Interactions Between Mental Health and Cardiovascular Risk

The George Washington University (District of Columbia)
Dr. Tiffany Powell-Wiley, Dr. Yvonne Baumer

2-038. Isadola Steinman (NHLBI)

Proteins Under Pressure: Exploring the Mechanisms of Fatty Acid Binding in OBP44a

Amherst College (Massachusetts)
Preceptors: Dr. Nico Tjandra, Dr. Mary Starich

2-039. Sydney Stewart (NHLBI)

N-Terminus Modifications for Truncated PEDF Peptides

Howard University (District of Columbia)
Dr. Rolf Swenson, Dr. Sai Doda

2-040. Naithrav Subbiah (NHLBI)

Characterizing the Immunomodulatory Role of Langerhans Cells in Salivary Gland Antiviral Responses

University of California, Berkeley (California)
Dr. Graham Brogden, Dr. Nihal Altan-Bonnet

2-041. Natalie Tsubamoto (NHLBI)

Activation of Human Endogenous Retrovirus E4 in Epstein Barr Virus-Transformed B Cells

College Illinois College of Medicine (Illinois)
Dr. Richard Childs, Dr. Elena Cherkasova

2-042. Mateusz Włodarczyk (NHLBI)

A Maximum Entropy Inversion of the inverse Laplace Transform with Bayesian Criterion for Quantification of Uncertainty in Phasor Plots of Time-Correlated Single Photon Counting Fluorescence Lifetime Imaging Microscopy (TCSPC FLIM)

Indiana University Bloomington (Indiana)
Dr. Jay Knutson, Dr. Katie Link

2-043. Robyn Wright (NHLBI)

Plasmid Construction for Optimized HSC Targeting Lentiviral Vectors

Charles R. Drew University of Medicine & Science (California)
Preceptors: Dr. Naoya Uchida, Dr. John Tisdale

National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

2-044. Simar Bhatia (NIAMS)

Discovering Novel Surface Proteins for Merkel Cell Carcinoma

University of Michigan (Michigan)
Dr. Isaac Brownell, Dr. Lingling Miao

2-045. Kaavya Borra (NIAMS)

Transcriptional Reprogramming of Immune Cells in Cushing's Disease Reveals Long-Term Effects of Glucocorticoids

University of California San Diego (California)
Preceptor: Dr. Luis Franco

2-046. Stefano Braho (NIAMS)

Inflammatory Cytokines Drive a Pain-Associated Phenotype in Facet Joint and Rheumatoid Arthritis Fibroblast-like Synoviocytes

University of North Carolina at Chapel Hill (North Carolina)
Dr. Mariana Kaplan, Dr. Carmelo Carmona-Rivera

2-047. Neda Rehan (NIAMS)

Establishing a Research Database for VEXAS Syndrome: Design and Population Characteristics

Eastern Virginia Medical School (Virginia)
Preceptor: Dr. Peter Grayson

2-048. Taleah Reid (NIAMS)

Development and Characterization of Chemotherapy-Resistant Merkel Cell Carcinoma Cell Lines

Howard University College of Medicine (District of Columbia)
Dr. Isaac Brownell, Dr. Junlong Chi

2-049. Miran Rezhan (NIAMS)

Which Cutaneous Manifestations Are Associated with the Greatest Impairment in Health-Related Quality of Life and Psychological Well-Being Among Patients with CLE?

Pennsylvania State College of Medicine (Pennsylvania)
Preceptor: Dr. Sarfaraz Hasni

2-050. Magdalen Ruth (NIAMS)

Molecular Mechanisms of a Novel Homozygous IRAK2 Mutation in Systemic Juvenile Idiopathic Arthritis

University of Maryland, Baltimore County (Maryland)
Dr. Michael Ombrello, Mr. Anthony Cruz

2-051. Todd Sander (NIAMS)

Development of a Clinically Relevant Mosaic Co-culture Model for MAP2K1 K57N-Associated Melorheostosis.

Rice University (Texas)
Dr. Timothy Bhattacharyya, Dr. Jee Young Lee

2-052. Tonique Swaby (NIAMS)

Characterization of the Molecular Interaction Between the RNA Helicase DDX41 and the Spliceosome Complex

Northwestern University (Illinois)
Dr. Jeremy Scutenaire, Dr. Markus Hafner

2-053. Ryan Szczepanik (NIAMS)

Lineage-specific STAT6 gain-of-function differentially regulates serum IgE levels

Case Western Reserve University (Ohio)

Preceptors: Dr. John O'Shea, Dr. Hiroyuki Nagashima

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

2-054. Abhinav Balam (NIBIB)

Optimization of Computer Vision Model for Automated Fruit Fly Behavioral Analysis

Virginia Polytechnic Institute and State University (Virginia)

Preceptor: Dr. Ghadi Salem

2-055. David Duong (NIBIB)

Development of 3D Model Systems to Characterize Cancer Cell Oxygenation

Washington University in Saint Louis (Missouri)

Dr. Nicole Morgan, Dr. Michael Gottesman

2-056. Paolo Hermoso (NIBIB)

Development and Optimization of an Injection Molding Process Using 3D-Printed Test Molds

Virginia Polytechnic and State University (Virginia)

Preceptor: Mr. Marciel Garmendia-Cedillos

2-057. Ellena Jeon (NIBIB)

Inline Dialysis System Preserves Tissue Architecture During Ex Vivo Perfusion of the Cystic Duct

Rice University (Texas)

Preceptor: Dr. Jonathan Hernandez

2-058. Deborah Kim (NIBIB)

Dissecting Dendritic Cell Responses to Skeletal Muscle Injuries for Therapeutic Development

University of Virginia (Virginia)

Preceptors: Dr. Kaitlyn Sadtler, Ms. Tran Ngo

2-059. Yuanzhe Li (NIBIB)

Deep landmark correspondence for large microscopy images

Johns Hopkins University (Maryland)

Dr. Brian Lee, Dr. Jiamin Liu

2-060. Anika Prasanna (NIBIB)

Engineering Design and Prototyping Support for Biomedical Research Systems

University of Maryland, College Park (Maryland)

Dr. Richard Leapman, Dr. Jonathan Hernandez

2-061. Javier Pratdesaba (NIBIB)

A Workflow for Modeling Cerebral Blood Flow Using Magnetic Resonance Angiography, Transcranial Doppler, and Computational Fluid Dynamics

University of Central Florida (Florida)

Preceptors: Dr. Manu Platt, Dr. Hannah Song Lee

2-062. Cameron Rancher (NIBIB)

Analyzing the Arterial Morphological Remodeling Due to Sickle Cell Disease in Townes Mice

University of Alabama (Alabama)

Preceptors: Dr. Manu Platt, Dr. Hannah Song Lee

2-063. Sydney Thurston (NIBIB)

Built to Move: Design and Integration of Inertial Sensing for Control of Pediatric Exoskeletons

Xavier University of Louisiana (Louisiana)

Preceptors: Dr. Thomas Bulea, Dr. Noah Rubin

2-064. Carter Wilkes (NIBIB)

NeutroGrid - an Approach to Study Neutrophil-mediated Prostate Cancer Killing in a Bone Metastatic Model

Utah Valley University (Utah)

Dr. Jacob Davis, Dr. Leah Cook

2-065. Katelyn Zhao (NIBIB)

The synthesis and biological activity of CB2R targeting photoswitchable probes.

University of California, Berkeley (California)

Preceptor: Dr. Malliga Iyer

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

2-066. Maren Barclay (NICHD)

Characterizing the Impact of ApoE Isoforms in Niemann-Pick Type C Disease using a Mouse Model

Washington and Lee University (Virginia)

Preceptors: Dr. Forbes D. Porter, Dr. Khushboo Singhal

2-067. Tanya Chhabria (NICHD)

*Parsing out the Role of Motor Neuron-Specific BMP Signaling in the Development and Function of *Drosophila* NMJ*

University of California, Los Angeles (California)

Preceptors: Dr. Mihaela Serpe, Dr. Rosario Vicidomini

2-068. Julian Dobrski (NICHD)

Clocks and waves of Wnt activity in the migrating zebrafish Posterior Lateral Line primordium

Johns Hopkins University (Maryland)

Preceptor: Dr. Ajay Chitnis

2-069. Elisabeth Durso (NICHD)

*Mutation of a Plasma Membrane t-SNARE Restricts Transposition in *Schizosaccharomyces pombe**

University of Maryland, College Park (Maryland)

Ms. Angela Atwood-Moore, Dr. Henry Levin

2-070. Zachary Ebert (NICHD)

An Optogenetic Tool to Inactivate Nodal Signaling During Zebrafish Development

University of Illinois at Urbana-Champaign (Illinois)

Dr. Katherine Rogers, Dr. Caitlin Donahue

2-071. Sudul Kadawedduwa (NICHD)

Investigating novel epigenetic regulators of zebrafish caudal fin vascular regeneration

University of Maryland: College Park (Maryland)

Dr. Brant Weinstein, Dr. Miranda Marvel

2-072. Madeline Kaltman (NICHD)

Characterizing Blood Flow Changes in Sickle Cell Disease with Wearable Speckle Plethysmography

University of Wisconsin-Madison (Wisconsin)

Preceptor: Dr. Timothy Quang

2-073. Noah Kantsiper (NICHD)

Facility Stocking Density Guidelines for Adult Zebrafish (Danio rerio) Rapidly Reduce Dissolved Oxygen Content During a Static Housing Event

Stony Brook University (New York)

Preceptor: Dr. Rachael Labitt

2-074. Aajanay Kizee (NICHD)

Identifying Putative Sponges of the FnrS Regulatory RNA

Howard University (District of Columbia)

Preceptor: Dr. Gisela Storz

2-075. Emma Kosmides (NICHD)

Structure determination of CorA from Mycobacterium tuberculosis in the presence of an inhibitory compound

University of Maryland, College Park (Maryland)

Dr. Doreen Matthies, Dr. Madolyn Britt

2-076. Rohan Kotla (NICHD)

Characterizing the Effects of Disrupted Chromatin

Interaction at the Nkx-2.1 Locus Across Ventral Forebrain and Lung Tissue

Pennsylvania State University (Pennsylvania)

Preceptor: Dr. Timothy Petros

2-077. Zaara Lacewala (NICHD)

Investigating H3K27 Histone Modifications and Apoptosis-Related Gene Expression in a cell model of Trevor disease

University of Florida (Florida)

Dr. Carlos Ferreira, Dr. Rajdeep Kaur

2-078. Irit Laderman (NICHD)

Endogenous Amyloid-like Bodies in the CNS of Squid Doryteuthis pealeii

New York University (New York)

Preceptor: Dr. Josh Zimmerberg

2-079. Vivian Manning-Cartwright (NICHD)

Rebuilding the Brain: Investigating Glial Reactivity Post Meningeal Cerebrovascular Injury in Zebrafish

Smith College (Massachusetts)

Preceptor: Dr. Brant Weinstein

2-080. Molly Miller (NICHD)

Identifying novel substrates of the E.coli UmuD and UmuD α serine proteases

Case Western Reserve University (Ohio)

Dr. Roger Woodgate, Dr. Douglas Lyra De Holanda Fonseca

2-081. Pamela Perez (NICHD)

The "Why" of Feeding: Development of a Measure of Parent Motivations

Rosalind Franklin University (Illinois)

Dr. Tonja Nansel, Dr. Amara Channell Doig

2-082. Mary Self (NICHD)

Healthcare Transition in Adolescents & Young Adults at NIH: Baseline Data Across Five Institutes

University of North Carolina at Chapel Hill (North Carolina)

Preceptor: Dr. Catherine Gordon

2-083. Siya Sharma (NICHD)

Functional performance and depressive symptoms for individuals with MRKH: preliminary results from a natural history study

George Washington University (District of Columbia)

Mrs. Leslie Bardin, Ms. Rachel Hingst

2-084. Elizabeth Thakuri (NICHD)

IRP1 Loss-of-Function Has Minimal Effects on Iron

Homeostasis in Human iPSC-derived Sensory Neurons

University of Florida (Florida)

Dr. Tracey Rouault, Dr. Bruno Mietto

2-085. Minh Vu (NICHD)

Using Virtual Reality to Study Cognitive and Cognitive-Motor Skills in Children with Autism

University of Maryland - College Park (Maryland)

Preceptors: Dr. Amir Gandjbakhche, Dr. Thien Nguyen

2-086. Adwoah Yeboah (NICHD)

Does Prenatal Care Modify the Relationship Between Insurance Coverage and Elective Induction of Labor?

University of California Los Angeles (California)

Dr. Bizu Gelaye, Dr. Lindsay Mallick

National Institute of Mental Health (NIMH)

2-087. Diana Agbor-Enoh (NIMH)

Prefrontal cortical somatostatin neuropeptidergic transmission regulates defensive behaviors

Boston University (Massachusetts)

Dr. Hugo Tejeda, Mr. Miguel Arenivar

2-088. Julian Ahlstrom (NIMH)

Development of a Split-Intein LexA System for Precise Neuronal Targeting

California Polytechnic State University San Luis Obispo (California)

Preceptors: Dr. Haojiang Luan, Dr. Benjamin White

2-089. Caitlin Aloisio (NIMH)

Social isolation results in social aversion and anxiety-like behavior in mice

Teachers College, Columbia University (New York)

Dr. Tobias Merson, Dr. Tomas Mediavilla

2-090. Anuraag Balaji (NIMH)

Investigating Retina-to-Brain Projections in Marmosets Using Adeno-Associated Viral (AAV) Vectors
University of Michigan (Michigan)
Preceptors: Dr. David Leopold, Dr. Ana Rita Ribeiro Gomes

2-091. Mia Bao (NIMH)

Demographic Effects on Neuropsychological Performance in People With HIV
University of Virginia (Virginia)
Preceptor: Dr. Joseph Snow

2-092. Dani Bir (NIMH)

Histological Validation and Behavioral Characterization of Dopaminergic Neuron-Specific Deletion of the Neuronal Glutamate Transporter EAAT3.
University of Maryland (Maryland)
Dr. Susan Amara, Dr. Minghan Hu

2-093. Blake Byer (NIMH)

Shared Neural Subspaces Across the Visual Cortex Contribute to Category Discrimination
University of Kentucky (Kentucky)
Dr. Bruno Averbeck, Dr. Reza Azadi

2-094. Catherine Chong (NIMH)

Developmental Expression of Dopaminergic Signaling Components in Higher-Order Thalamic Nuclei
Cornell University (New York)
Preceptors: Dr. James Bourne, Mr. Maxwell Walker

2-095. Carmelo Crisafulli (NIMH)

Transcriptomic Effects of Norquetiapine in Cell Villages of Human iPSC-derived Neurons
University of South Carolina (South Carolina)
Preceptor: Dr. Carmelo Crisafulli

2-096. Diana Marie Gamboa (NIMH)

A novel closed-loop paradigm to study residual visual sensitivity in cortical blindness
Boston University (Massachusetts)
Dr. Peter Bandettini, Dr. Sharif Kronemer

2-097. Jonathan Kang (NIMH)

Tracking Naturalistic Behaviors in Marmosets Using Deep Neural Networks
George Washington University (District of Columbia)
Dr. James Bourne, Dr. Leonardo Claudino

2-098. Vishal Karuppasamy (NIMH)

Search Path Predictability During Naturalistic Visual Search in ADHD and Typically Developing Individuals
University of Southern California (California)
Preceptors: Mr. Alexander Bui, Dr. Tonya White

2-099. Tejavi Kumar (NIMH)

Estimation of pburs Knockdown in ubx and scr Hox-Labeled Bursicon Neurons
Vanderbilt University (Tennessee)
Preceptors: Dr. Benjamin White, Dr. Hua Tan

2-100. Ava Lorenzetti (NIMH)

Adult hippocampal neurogenesis modulates pain-driven changes in threat perception and response
University of Michigan (Michigan)
Preceptors: Dr. Heather Cameron, Dr. Mumeko Tsuda

2-101. Ambreen Mariyam (NIMH)

Utilizing large language models for structured extraction of psychiatric phenotypes from postmortem clinical narratives
George Washington University (District of Columbia)
Dr. Pavan Auluck, Dr. Ajeet Mandal

2-102. Pelagia Martin (NIMH)

Serotonin signaling underlies state-dependent gating of visual threat processing in area prostriata
Stanford University (California)
Dr. Mario Penzo, Dr. Ryan Lingg

2-103. Sophie Morgan (NIMH)

Improving Safety Through Standardized Observation, Privileged Orders, and Suicide Screening
Tulane University (Louisiana)
Preceptor: Dr. Gena Mooneyham

2-104. Sogand Nugent (NIMH)

Operant Sensation Seeking as a Tool for Measuring Hippocampal Neurogenesis-Dependent Agency in Adult Rats
University of Maryland, Baltimore County (Maryland)
Preceptors: Dr. Heather Cameron, Dr. Mumeko Tsuda

2-105. Sedam Park (NIMH)

High-Resolution Analysis of Immune Responses to ZEB1 and ZEB2 Across Diverse Disease Cohorts
University of Massachusetts Amherst (Massachusetts)
Dr. Christopher Bartley, Dr. Pavel Khil

2-106. Sophia Qamari (NIMH)

Associations Between Sleep Variability and Headache Occurrence in a Family Study of Mood Disorders
University of Virginia (Virginia)
Dr. Kathleen Merikangas, Dr. Tarannum Lateef

2-107. Joselynn Reyes-Arce (NIMH)

Investigating the Recruitment of the PVT During Systemic Inflammation
University of Texas at El Paso (Texas)
Preceptors: Dr. Mario Penzo, Dr. Douglas Senna Engelke

2-108. Olivia Silsby (NIMH)

Testing Parenting as a Mechanism of Change in Cognitive Behavioral Therapy (CBT) for Severe Irritability
American University (District of Columbia)
Preceptors: Dr. Simone Haller, Dr. Daniel Pine

2-109. Michelle Sun (NIMH)

Are Bipolar Disorder and ADHD manifestations of a common underlying diathesis?
Northwestern University (Illinois)
Preceptor: Dr. Kathleen Merikangas

2-110. Joyce Wu (NIMH)

Transcriptomic Effects of Allopregnanolone in Premenstrual Dysphoric Disorder using Patient-Derived Neural Progenitor Cells
 Northeastern University (Massachusetts)
 Preceptors: Dr. Sarah Rudzinkas, Dr. Peter Schmidt

2-111. Dexter Wu-Corts (NIMH)

Spectral Dynamics of Local Field Potentials Across the Macaque Ventral Stream
 University of Pennsylvania (Pennsylvania)
 Dr. Bruno Averbeck, Dr. Reza Azadi

2-112. Simone Wuttke (NIMH)

Quality of Life for Patients with Niemann-Pick Disease Type C
 Dartmouth College (New Hampshire)
 Dr. Maryland Pao, Dr. Lisa Joseph

2-113. Anuva Yonzon (NIMH)

Preliminary Findings on Reactive Control and Error Processing in Adolescents with MEG
 Grinnell College (Iowa)
 Preceptors: Dr. Lucrezia Liuzzi, Dr. Daniel Pine

2-114. Selam Zerabruk (NIMH)

Design and Synthesis of Radioligands for PET Imaging of Brain Phosphodiesterase-4D
 Grinnell College (Iowa)
 Preceptors: Dr. Victor Pike, Dr. Sanjay Telu

2-115. Chengdong Zhou (NIMH)

Characterizing Suicidality with Resting-State MEG Markers
 University of Southern California (California)
 Dr. Carlos Zarate, Dr. Mark Kvarta

National Institute on Minority Health and Health Disparities (NIMHD)

2-116. Sandra Owusu (NIMHD)

Associations Between Crime Reduction Programs and Diabetes Prevalence: A Longitudinal Analysis of 500 U.S. Cities
 Norfolk State University (Virginia)
 Dr. Kosuke Tamura, Dr. Muhammad Hudhud

National Eye Institute (NEI)

3-001. Nathan Damavandi (NEI)

Evaluation of Cellular Structure in Bietti Crystalline Dystrophy Using Adaptive Optics Retinal Imaging
 UC Berkeley School of Optometry (California)
 Dr. Johnny Tam, Dr. Tao Liu

3-002. Simone Hall (NEI)

Effects of environment on rhesus macaque activity measured with collar sensors
 Park Tudor High School (Indiana)
 Preceptors: Dr. Krystal Allen-Worthington, Dr. Amy Ryan

3-003. Chase Kennedy (NEI)

LipidSeg: An Innovated Approach to Image Segmentation
 Salesianum School (Delaware)
 Dr. Ruchi Fnu, Dr. Colby Lewallen

3-004. Matthew Lessans (NEI)

Development of a Machine Learning-Assisted Workflow for Retinal Histology Segmentation
 Georgetown University School of Medicine (District of Columbia)
 Preceptors: Dr. Vincent Kunze, Dr. Duy Tran

3-005. Chloe Lynch (NEI)

Novel RPE65 Mutations Leading to Dominant RPE65-Associated Retinopathy
 Trinity College Dublin (Ireland)
 Preceptors: Dr. T. Michael Redmond, Dr. Eugenia Poliakov

3-006. Abhi Puthran (NEI)

SCassist 2.0: A Multi-agent AI platform for comprehensive interpretation of single-cell RNA sequencing
 University of Maryland-College Park (Maryland)
 Dr. Vijayaraj Nagarajan, Dr. Rachel Caspi

3-007. Jiaming Zhou (NEI)

Investigating the Effects of Microglial TGF-beta Signaling on Retinal Structure and Function
 Northwestern University (Illinois)
 Dr. Haohua Qian, Dr. Wenxin Ma

National Institute on Aging (NIA)

3-008. Tasnim Alhamwi (NIA)

Same blood, Different Story: Understanding Pre- and Post Collection Variables in Mouse Peripheral Blood Analysis
 University of Maryland, College Park (Maryland)
 Preceptors: Dr. Isabel Beerman, Dr. Ferda Tekin Turhan

3-009. Brooke Ayano (NIA)

Investigating the Effects of Humanin on Inflammatory and Senescence-Related Pathways in Human Aortic Endothelial Cells
 University of Minnesota - Twin Cities (Minnesota)
 Dr. Nicole Noren Hooten, Dr. Michele Evans

3-010. Sophia Beshkov (NIA)

Molecular Signatures in Skeletal Muscle Associated with Functional Resilience and Vulnerability in Advanced Age
 University of Maryland (Maryland)
 Dr. Miguel Calvo-Rubio Barrera, Dr. Rafael de Cabo

3-011. Elizabeth Biver (NIA)

Multi-dimensional Sleep Health and Educational Disparities in Late-Life Cognitive Function: The Honolulu-Asia Aging Study
 University of Pittsburgh (Pennsylvania)
 Preceptor: Dr. Tianyi Huang

3-012. Roshan Chaudry (NIA)

Missing Marks, Mixed Signals: How Aging Blood Stem Cells Lose Their Epigenetic Instructions
Howard High School (Maryland)
Preceptor: Dr. Isabel Beerman

3-013. Eric Chen (NIA)

Targeted Screen for Prion-like RNA-binding Proteins That Modify Spinocerebellar Ataxia Type 3 Neurodegeneration
University of Maryland, College Park (Maryland)
Preceptors: Dr. Weidong Wang, Dr. Tianyi Zhang

3-014. Udoka Chimah (NIA)

Cognitive Resilience in Aging Long-Evans Rats: Investigating the Relationship Between Pituitary Tumor Burden and Spatial Memory Performance Using High Resolution Structural MRI
University of Maryland, Baltimore County (Maryland)
Preceptors: Dr. Caitlin Corona-Long, Dr. Peter Rapp

3-015. Camilla Fonoberov (NIA)

Decoding Cis-Regulatory Site Function in Pro-B Cells
University of California Berkeley (California)
Preceptors: Dr. Ranjan Sen, Dr. Noah Ollikainen

3-016. Jazzmyn Hollister (NIA)

Plasma Proteomic Response to Diabetes Intervention in ACCORD
University of Texas Health Science Center at Houston (Texas)
Preceptor: Dr. Minkyong Song

3-017. John Jo (NIA)

Topological Data Analysis of Multidimensional MRI Reveals Microstructural Redistribution in Brain Aging
Yonsei University (South Korea)
Preceptors: Dr. Dan Benjamini, Dr. Joon Sik Park

3-018. Edward Kim (NIA)

Extracellular Matrix Remodeling as a Shared Mechanism of Vascular and Skin Aging
University of Texas at Austin (Texas)
Preceptors: Dr. Allison Herman, Dr. Dimitrios Tsitsipatis

3-019. Sean Kim (NIA)

Production of siRNA Chemokine Conjugates for Targeted Gene Silencing in Immune Cells
Brown University (Rhode Island)
Dr. Arya Biragyn, Dr. Monica Bodogai

3-020. Alekhya Kotha (NIA)

Sex and Tissue Shape X Chromosome Dosage Compensation in Humans
Virginia Commonwealth University (Virginia)
Preceptor: Dr. Alexandra DeCasien

3-021. Scarlett Landers (NIA)

Evaluating the role of Fuca proteins in preadipocyte cellular senescence
University of Maryland Global Campus (Maryland)
Dr. Gisela Altes Bargallo, Dr. Myriam Gorospe

3-022. Yoonseo Lee (NIA)

Effects of targeting mTOR/RAGE signaling via photobiomodulation and specific inhibitors in the rodent models of dementia and Alzheimer's disease
Johns Hopkins University (Maryland)
Preceptors: Dr. Olga Fedorova, Dr. Carla Rocha Dos Santos

3-023. Victoria Liao (NIA)

AI-Identification of Novel Senomorphic Compounds
Johns Hopkins University (Maryland)
Preceptors: Dr. Myriam Gorospe, Dr. Kotb Abdelmohsen

3-024. Ina Ma (NIA)

Characterizing Senescence of iPSC-derived Cortical Neurons
Brown University (Rhode Island)
Dr. Krystyna Mazan-Mamczarz, Dr. Myriam Gorospe

3-025. Steven Messiah (NIA)

A New Window Into Brain Aging: The First Multi-Omic Signature of Neuronal Senescence in iPSC-Derived Neurons
Princeton University (New Jersey)
Dr. Natan Basisty, Dr. Reema Banarjee

3-026. Sumant Metla (NIA)

Quantum Tunneling at calcium release channel stabilizes rhythmicity of the heart's pacemaker
University of Maryland: College Park (Maryland)
Preceptor: Dr. Victor Maltsev

3-027. Siri Narne (NIA)

Bacterial Infections and Neurodegenerative Disease Risk Across National Biobanks
University of Virginia (Virginia)
Dr. Mark Cookson, Ms. Kristin Levine

3-028. Gabriela Nguena Jones (NIA)

Characterizing the Sex Effect on Choroid Plexus PKC Signaling
Perelman School of Medicine at the University of Pennsylvania (Pennsylvania)
Preceptors: Dr. Caio Henrique Yokoyama Mazucanti, Dr. Qin Yao

3-029. Lucy Qian (NIA)

Region Specific Degeneration of ALDH1A1+ and CALB1+ Dopaminergic Neurons in Mice with Progressive Parkinsonism
Harvard College (Massachusetts)
Dr. Huaibin Cai, Victor Martinez Smith

3-030. Ayla Saksena (NIA)

Unraveling the Mystery of APOE in Alzheimer's Disease Through AI-Based Structural Analysis of the APOE Interactome
Cornell University (New York)
Dr. Supriyo De, Mr. Nirad Banskota

3-031. Pyotr Sergeevykh (NIA)

Galectin-3 Inhibition Reshapes the Transcriptomic Landscape of Aged Microglia

University of Maryland, College Park (Maryland)

Preceptors: Dr. Sadia Afrin, Dr. Payel Sen

3-032. Emily Shi (NIA)

Age-Dependent Expression of PKC Isoforms in the Mouse Choroid Plexus

Urbana High School (Maryland)

Dr. Qin Yao, Dr. Caio Mazucanti

3-033. Akriti Shrestha (NIA)

The Impact of Meal Timing on the Aging Microbiome

University of Illinois, Urbana-Champaign (Illinois)

Dr. Victoria Acosta Rodriguez, Dr. Ivanna Castro Pascual

3-034. Sahiti Somalraju (NIA)

Nanopore Direct RNA Sequencing Reveals RNA Processing Changes During Filovirus Infection

Indiana University at Indianapolis (Indiana)

Preceptor: Dr. Emmanouil Maragkakis

3-035. Carolyn Wagner (NIA)

DDX39A deficiency disrupts lipid homeostasis, alters membrane fluidity, and promotes cellular senescence.

California Polytechnic University San Luis Obispo (California)

Preceptors: Dr. Robert Brosh, Dr. Martina Rossi

3-036. Evan Wang (NIA)

Discovery and Validation of Novel AI Predicted Senolytics

University of California, Berkeley (California)

Dr. Myriam Gorospe, Dr. Kotb Abdelmohsen

3-037. Michael Wang (NIA)

Memory in Cardiac Pacemaker Cells: A New Mechanism of Recovery from Sinus Arrest in the Aging Heart

University of North Carolina at Chapel Hill (North Carolina)

Preceptor: Dr. Victor Maltsev

3-038. Simone Warren (NIA)

Education as a Modifier of the Association Between Biological Aging and Executive Function in HANDLS

Pennsylvania State University (Pennsylvania)

Preceptor: Dr. Indira Turney

3-039. Caiqi Wei (NIA)

Social Frailty and Neurodegenerative Biomarkers:

Pathways to Cognitive Impairment in Older U.S. Adults

University of Pennsylvania (Pennsylvania)

Preceptor: Dr. May Beydoun

3-040. William Wilgenburg (NIA)

Characterization of collagen-producing macrophages in aging mouse skeletal muscle

Dordt University (Iowa)

Dr. Chang-Yi Cui, Dr. Myriam Gorospe

3-041. Mark Wilkins Jr. (NIA)

Profiling GOLGA8A repeat expansions using long-read adaptive sampling across multi-ancestry neurological disease and control cohorts

Howard University College of Medicine (District of Columbia)

Preceptor: Dr. Kimberley Billingsley

3-042. Daniel Zhu (NIA)

Investigating the Relationship Between CD8+ T Cells and Beta-Amyloid Accumulation in the Brain of Alzheimer's Disease Mouse Models

University of Wisconsin-Madison (Wisconsin)

Preceptor: Dr. Nan-Ping Weng

National Institute on Drug Abuse (NIDA)

3-043. Sriraj Kallat (NIDA)

Quantitative Structure-Activity Relationship Modeling of Norepinephrine Transporter Activity for Depression and ADHD Drug Development

Emory University (Georgia)

Preceptor: Dr. Lei Shi

National Institute of Environmental Health Sciences (NIEHS)

3-044. Monelli Esfandiary (NIEHS)

Self-Reported Sunscreen Use and Incident Breast Cancer in the Sister Study

University of Southern California (California)

Preceptor: Dr. Katie O'Brien

3-045. Audrey Luu (NIEHS)

Linking Gene Expression Patterns to Clinical Traits in Juvenile Dermatomyositis (JDM) and Myositis-Specific Autoantibody (MSA) Groups

Brown University (Rhode Island)

Preceptors: Dr. Hanna Kim, Dr. Lisa Rider

3-046. Shreekanya Mitra (NIEHS)

Flotillin-2 Shapes CD8+ T Cell Anti-Tumor Immunity Through T Cell Receptor Spatial Organization

Cornell University (New York)

Preceptors: Dr. Michael Fessler, Dr. Sookjin Moon

National Institute of Neurological Disorders and Stroke (NINDS)

3-047. Imran Bahiru (NINDS)

De Novo Design of Protein Binders for TMEM106B Amyloid Fibrils

Columbia University (New York)

Preceptor: Dr. Michael Ward

3-048. Arnav Bandam (NINDS)

Characterizing the MEC Engram through cFos activation

University of Virginia (Virginia)

Dr. Yi Gu, Dr. Ellane Barcelon

3-049. Frank Beard (NINDS)

Microgravity and Its Effect on Organoids
Northern Arizona University (Arizona)
Dr. David Wang, Ms. Valerie McDonald

3-050. Caleb Bowles (NINDS)

The Associations Between TIA, Mild Cognitive Impairment and Motoric Cognitive Risk, and Post-TIA Dementia
Virginia Polytechnic Institute and State University (Virginia)
Preceptors: Dr. Rebecca Gottesman, Dr. Emily Tirrell

3-051. Carson Brantley (NINDS)

Magnetic Resonance Venographic Analysis of Venous Morphometry in Patients with Chiari I Malformation with and without Associated Syringomyelia
George Washington University School of Medicine and Health Sciences (District of Columbia)
Preceptor: Dr. John Heiss

3-052. Tony Bright (NINDS)

Deep Learning-Based Modeling of Tunable MRI Tx Hardware
Virginia Polytechnic Institute of Technology (Virginia)
Preceptor: Dr. Natalia Gudino

3-053. Marco Cabebe (NINDS)

JC Polyomavirus VP1 and Large T-Antigen Point Mutations Inform Future Antiviral Strategies for PML
University of California, Berkeley (California)
Preceptors: Dr. Irene Cortese, Dr. Yair Mina

3-054. Noah Carey (NINDS)

Associations Between Life-Course Neighborhood Socioeconomic Status and Cerebral Small Vessel Disease Markers
University of Michigan Medical School (Michigan)
Dr. Hyun Song, Dr. Rebecca Gottesman

3-055. Prisha Chawla (NINDS)

Developmental Changes in GnRH Cells in Lineage-Specific KO Mice
George Washington University (District of Columbia)
Preceptor: Dr. Susan Wray

3-056. Alike D'Souza (NINDS)

Identification of Median Nerve Fascicles Using Ultrasound Segmentation Techniques
University of Maryland, College Park (Maryland)
Preceptor: Dr. Tanya Lehy

3-057. Sara Elanchezian (NINDS)

A Working Model of Reward Encoding in the Cerebellar Cortex
Case Western Reserve University (Ohio)
Preceptor: Dr. Mark Wagner

3-058. Kishay Flansburg (NINDS)

Predictors of Poor Sleep Quality Among U.S. Adolescents: Preliminary Results from the B.R.I.G.H.T.S. Study
University of North Dakota (North Dakota)
Preceptor: Dr. Christian Alvarez Privado

3-059. Navya Francis (NINDS)

Assessing the Impact of MRI Tissue Preparation Conditions using Immunohistochemical Staining with NeuN
University of Wisconsin - Madison (Wisconsin)
Dr. Govind Bhagavatheeshwaran, Ms. Emily Knapp

3-060. Ishani Ghosh (NINDS)

Biochemical Characterization of CaMKII Binding in Patient-Derived Rare NMDAR GRIN2B Intracellular Domain Variants
Carnegie Mellon University (Pennsylvania)
Preceptors: Dr. Katherine Roche, Dr. Detlef Vullhorst

3-061. Fritz Graham (NINDS)

Longitudinal Reactivation of Epstein-Barr Virus Within Cells from Healthy and MS-Affected Populations
Elon University (North Carolina)
Preceptor: Dr. Steven Jacobson

3-062. Beck Gutjahr (NINDS)

Utilizing Iron Nanoparticles to Detect Cerebral Vascular Inflammation
Northern Arizona University (Arizona)
Dr. Li Liu, Dr. Alan Koretsky

3-063. Steven Harris (NINDS)

Mapping Capillary Stalls and Driving Mechanisms using an Automated Framework
California State University Long Beach (California)
Preceptor: Dr. Amreen Mughal

3-064. Nick Haughey (NINDS)

Characterization of Therapeutics Compounds for ALS
Vanderbilt University (Tennessee)
Preceptor: Dr. Joe Steiner

3-065. Vivaana Haval (NINDS)

Radiological-Pathological Correlation: A Tool for Elucidating the Biological Effects of rIL-7 in Progressive Multifocal Leukoencephalopathy
University of North Carolina at Chapel Hill (North Carolina)
Preceptors: Dr. Irene Cortese, Ms. Andra Mutu

3-066. Ja'Zhana Henderson (NINDS)

Nature or Nurture at the Cellular Level: Investigating the Drivers of Stem Cell Differentiation in the Olfactory Epithelium
Colgate University (New York)
Preceptor: Dr. Whitney Heavner

3-067. Kathryn Jung (NINDS)

Computational HLA Typing from Whole Exome Sequencing in a Multiple Sclerosis Cohort
Johns Hopkins University (Maryland)
Preceptor: Dr. Daniel Reich

3-068. Amelia Kaiser (NINDS)

Spontaneous proliferation of lymphocytes in HAM/TSP utilizing Teriflunomide clinical trial data
Elon University (North Carolina)
Preceptors: Dr. Steven Jacobson, Dr. Lauren Suarez

3-069. Alexander Kashanchi (NINDS)

Data-Driven Approach to Muscle Ultrasound Biomarkers in Young Children with LAMA2-RD: Getting Ready for Therapeutic Trials

Emory University (Georgia)

Preceptors: Dr. A. Reghan Foley, Dr. Rotem Orbach

3-070. Fiona Lin (NINDS)

The Cognitive and Behavioral Profiles of C9orf72 ALS Cohort

Boston University (Massachusetts)

Preceptor: Dr. Justin Kwan

3-071. Isabel Lubinsky (NINDS)

Multimodal Characterization of Marmoset Dura Mater Using MRI and Histology

George Washington University (District of Columbia)

Dr. Daniel Reich, Dr. Irene Frigerio

3-072. Neil Mahto (NINDS)

Untargeted Plasma Metabolomics Reveals Biomarkers for Neurofibromatosis Type 2

Johns Hopkins (Maryland)

Preceptor: Dr. Prashant Chittiboina

3-073. Linden McGregor (NINDS)

Validation of a Ratiometric Fluorescent Reporter to Monitor PINK1 Localization in Response to Mitochondrial Stress

University of South Carolina (South Carolina)

Dr. Derek Narendra, Ms. Luiza Gruel Budet

3-074. Annabella Miki (NINDS)

Purkinje Cell Encoding of Reward Value

Washington University in St. Louis (Missouri)

Preceptor: Dr. Mark Wagner

3-075. Reina Ouyang (NINDS)

Optimizing Imaging of HALO Tagged Kv2.1 Ion Channel in the Mouse Nervous System

University of Michigan (Michigan)

Dr. Kenton Swartz, Miss Giulia Dalaty

3-076. Neehal Pathak (NINDS)

Evaluation of the Segment Anything Model (SAM) for Promptable Segmentation of Perivascular Space in MRI

University of Delaware (Delaware)

Dr. Amreen Mughal, Dr. Govind Bhagavatheeshwaran

3-077. Zoe Pei (NINDS)

Evaluating rare variants of endo-lysosomal genes in Lewy body dementia

Emory University (Georgia)

Preceptors: Dr. Sonja Scholz, Dr. Anindita Ray

3-078. Julia Pye (NINDS)

Can the representation of words in the brain predict memorability of word pairs?

Dartmouth College (New Hampshire)

Preceptors: Dr. Ian Bright, Dr. Kareem Zaghloul

3-079. Dhruv Rana (NINDS)

Causal probing of cortico-pontine adaptation for cerebellar learning

New York University (New York)

Dr. Mark Wagner, Dr. Yingtao Liu

3-080. Zain Rasheed (NINDS)

Unsupervised Pipeline for Detection and Quantification of Neuroinflammation Baseline in Normal Control Mice

Virginia Tech (Virginia)

Preceptors: Dr. Alan Koretsky, Dr. Harikrishna Rallapalli

3-081. Yashvir Sabharwal (NINDS)

Lipid Environment Preferences Encoded in Membrane Protein Structure

Harvard University (Massachusetts)

Preceptor: Dr. Lucy Forrest

3-082. Spoorthi Sadasivuni (NINDS)

MRI-Guided Histological Characterization of the Choroid Plexus in Human Multiple Sclerosis

The University of Texas at Dallas (Texas)

Dr. Daniel Reich, Dr. Irene Frigerio

3-083. Mahan Sarabi (NINDS)

Association of Hyperemia with Persistent Blood-Brain Barrier Disruption on T1-Weighted MRI in Acute Ischemic Stroke Treated with Thrombectomy

Virginia Tech (Virginia)

Dr. Lawrence Latour, Ms. Carolyn Lomahan

3-084. Rukaya Selim (NINDS)

The NMNAT/dSarm Pathway Regulates Axon Growth and Guidance in the Developing Drosophila Wing

University of Virginia (Virginia)

Preceptors: Dr. Edward Giniger, Dr. Suparna Saha

3-085. Zara Shamim (NINDS)

DNA Damage in Spinal Bulbar Muscular Atrophy

University of Maryland, College Park (Maryland)

Preceptors: Dr. Christopher Grunseich, Dr. Ayse Yesbek Kaymaz

3-086. Ishaan Sharma (NINDS)

Characterizing elevated CSF proteins in spinal and bulbar muscular atrophy (SBMA)

Georgetown University (District of Columbia)

Preceptor: Dr. Christopher Grunseich

3-087. Makela Simpson (NINDS)

Prediction of 1-Year Quality of Life After Epilepsy Surgery Using 3-Month Patient-Reported Outcomes

Pennsylvania State University (Pennsylvania)

Preceptor: Dr. Yasser Tajali

3-088. Isabella Stevenson (NINDS)

Natural Language Processing-Based Screening for Post-Exertional Malaise in Long COVID Patient Interviews

Emory University (Georgia)

Preceptor: Dr. Brian Walitt

3-089. Emjai Stiffarm (NINDS)

Comparison of Hemorrhage Volumes on MRI After Thrombectomy in Acute Stroke
University of Montana (Montana)
Preceptor: Dr. Lawrence Latour

3-090. Akshada Subramaniyan (NINDS)

State-Dependent Changes in Resting State Activity in Focal Epilepsy: Comparing Invasive and Non-Invasive Recordings
University of North Carolina at Chapel Hill (North Carolina)
Dr. Sara Inati, Dr. Jawata Afnan

3-091. Abeni Tucker (NINDS)

Reproductive Development: Changes in OFQ fibers to GnRH Neurons
Howard University (District of Columbia)
Preceptor: Dr. Susan Wray

3-092. Samarjeet Virk (NINDS)

Computer Vision Model for Automated Mouse Behavioral Analysis
University of Maryland, College Park (Maryland)
Preceptor: Dr. Ghadi Salem

National Library of Medicine (NLM)

3-093. Sasha Becker (NLM)

lncRNAs as cell type-specific biomarkers across neural and non-neural human tissues.
George Washington University (District of Columbia)
Preceptor: Dr. Richard Scheuermann

3-094. Trevor Bohl (NLM)

Designing Lightweight AI Models for Abnormality Detection in Chest X-Rays
University of Missouri - Columbia (Missouri)
Preceptors: Dr. Stefan Jaeger, Dr. Richard Scheuermann

3-095. Owen Broadwater (NLM)

Building and Refining a Model for Ebolavirus with VADR
Northwestern University (Illinois)
Preceptor: Dr. Eric Nawrocki

3-096. Vayun Chugh (NLM)

Shift-Resistant Enhancer Variant Scoring via Consistency Training
University of California, Berkeley (California)
Dr. Ivan Ovcharenko, Dr. Di Huang

3-097. Jack Cummins (NLM)

Auditing Clinical Timelines: Detecting and Diagnosing Errors at Scale
Princeton University (Massachusetts)
Dr. Jeremy Weiss, Dr. Sayantan Kumar

3-098. Honray Day (NLM)

Single cell level analysis of sex-specific gene expression in fruit flies
University of Maryland, College Park (Maryland)
Preceptors: Dr. Teresa Przytycka, Dr. Soumitra Pal

3-099. Ahana Dey (NLM)

Integrating Clinical and Radiological Data for Pediatric Tuberculosis Prediction
Carnegie Mellon University (Pennsylvania)
Preceptors: Dr. Sameer Antani, Dr. Sivarama Krishnan Rajaraman

3-100. Kellen Doggett (NLM)

Limitations of differential expression for cell type marker discovery in scRNA-seq atlases
University of California, Berkeley (California)
Preceptor: Dr. Yun Zhang

3-101. Pedram Golnari (NLM)

MED-KGQA: Medical Entity and Ontology-Driven Knowledge Graph Question Answering for Drug-Related Biomedical Questions
Case Western Reserve University (Ohio)
Dr. Dina Demner-Fushman, Dr. Deepak Gupta

3-102. Ojas Gupta (NLM)

Identification of Fold Switching Proteins in the Human Proteome
Georgia Institute of Technology (Georgia)
Dr. Lauren Porter, Dr. Myeongsang Lee

3-103. Md Mezbahul Islam (NLM)

From Missing Edges to Drug-Repurposing Opportunities: Reproducible Topological Structures and Explainable Ranking in the NLM Cell Knowledge Network
Florida International University (Florida)
Preceptor: Dr. Richard Scheuermann

3-104. Ojas Kadam (NLM)

Improving Temporal Quality and Enriching Clinical Patient Timelines with Radiology Reports
Rice University (Texas)
Preceptors: Dr. Nicolas Grimaldi, Dr. Jeremy Weiss

3-105. Anvith Kakkerla (NLM)

Computational Characterization of Novel Bat Influenza A Virus
Dartmouth College (New Hampshire)
Dr. Martha Nelson, Dr. Jennifer Havens

3-106. Vasudha Kannan (NLM)

Automated BLAST-Based Classification of Influenza A Virus NS Gene Lineages
Indian Institute of Technology Madras (India)
Dr. Martha Nelson, Dr. Alvin Crespo Bellido

3-107. Margaret Kato (NLM)

*Pangenome Analysis of the Opportunistic Gut Pathogen *Thomasclavelia ramosa**
University of Maryland (Maryland)
Dr. Xiaofang Jiang, Ms. Angela Jiang

3-108. Shivang Kulkarni (NLM)

Using Deep Learning, AI-Based Regulatory Variant Prioritization to Nominate Therapeutic Candidates Across Dementias
University of California, Los Angeles (California)
Preceptors: Dr. Jaya Srivastava, Dr. Ivan Ovcharenko

3-109. Imani Lee (NLM)

Non-canonical Roles of Ribosomal Protein Domains in the E.coli MG1655 Proteome
George Washington University; Milken Institute School of Public Health (Virginia)
Preceptor: Dr. Aravind Iyer

3-110. Yash Maheshwaran (NLM)

Modeling the Regulatory Effects of Non-Coding Variants with AlphaGenome and CNN-Based Enhancer Classification
University of California, Berkeley (California)
Dr. Ivan Ovcharenko, Dr. Gaetano Manzo

3-111. Misaki Matsuura (NLM)

Temporal Question Answering with Hindsight Bias Evaluation on Clinical Case Reports
Case Western Reserve University (Ohio)
Preceptor: Dr. Jeremy Weiss

3-112. Nirav Modha (NLM)

Improving MiCId pathogen detection with accelerated machine learning for peptide retention time prediction.
Clemson University (South Carolina)
Preceptors: Dr. Gelio Alves, Dr. Yi-Kuo Yu

3-113. Matthew Nho (NLM)

Evaluation of de novo clustering and reference-based cell-type annotation in MERSCOPE spatial transcriptomics
University of Michigan (Michigan)
Dr. Yun (Renee) Zhang, Dr. Rana Khalil

3-114. Cameron Ogle (NLM)

AI for Extracting Rare Cancer Clinical Annotations & Consolidation with -omics Data
Howard University College of Medicine (District of Columbia)
Dr. Augustin Luna, Dr. Jaydira Del Rivero

3-115. Lydia Schwartz (NLM)

Target Sequence Overrides Coevolution in AlphaFold Predictions
Stanford University (California)
Dr. Lauren Porter, Dr. Devlina Chakravarty

3-116. Matthew Song (NLM)

Multimodal Knowledge Graph and GraphRAG Reasoning for Chest X-ray Retrieval and Report Revision
Johns Hopkins University (Maryland)
Dr. Sameer Antani, Dr. Zhaohui Liang

3-117. Taha Syed (NLM)

From Raw Images to Diagnosis: A Deep Learning Pipeline to Analyze Mammograms
George Mason University (Virginia)
Dr. Sameer Antani, Dr. Niccolo Marini

3-118. Ketan Tamirisa (NLM)

Auditing LLM-Extracted Clinical Timelines: Reliability, Downstream Utility, and Fairness
Washington University in St. Louis (Missouri)
Preceptor: Dr. Jeremy Weiss

3-119. Gudrun Thorkelsdottir (NLM)

Generative AI for Distributional Correction of Retinal Disease Image Data
University of Illinois Urbana-Champaign (Illinois)
Preceptor: Dr. Jongwoo Kim

3-120. Miles Whiteford (NLM)

Influenza Sequence Feature Variant Type Tool
Tulane University (Louisiana)
Preceptors: Dr. Martha Nelson, Dr. Richard Scheuermann

National Center for Complementary and Integrative Health (NCCIH)

4-001. Opemipo Adeyemo (NCCIH)

Examining Daily Pain Variability in Chronic Pain Patients Using Ecological Momentary Assessment
Howard University (District of Columbia)
Preceptor: Dr. Miroslav Backonja

4-002. arshad arif (NCCIH)

IT specialist
George Mason University (Virginia)
Preceptor: Mr. Paul Kundtz

4-003. Nikitha Vennapu Reddy (NCCIH)

Effects of Auricular Transcutaneous Vagus Nerve Stimulation (tVNS) on Experimentally Induced Heat Pain
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Alisa Johnson

National Cancer Institute (NCI)

4-004. Paolo Agosti (NCI)

MTA-cooperative inhibition of PRMT5 suppresses MTAP-del osteosarcoma in vitro
University of Pennsylvania (Pennsylvania)
Preceptor: Dr. Amy LeBlanc

4-005. Zaid Al-Shoha (NCI)

CD276 as a Therapeutic Target in Renal Medullary Carcinoma: Preclinical Evaluation of an Antibody-Drug Conjugate
Cornell University (New York)
Dr. Andrea Apolo, Dr. Salah Boudjadi

4-006. Haleigh Aldrich (NCI)

Protein Engineering-Based Humanization of Anti-B7-H3 Nanobodies for Cancer Therapy
Yale University (Connecticut)
Dr. Mitchell Ho, Dr. Dan Li

4-007. David Bai (NCI)

Correlating RNA and Protein Synthesis in Tumor Cells Following Drug Treatment
University of Massachusetts Amherst (Massachusetts)
Dr. Dunrui Wang, Dr. Douglas Lowy

4-008. Julia Bielecki (NCI)

Epigenetic Regulation of Coordinated MYC and Super-Enhancer lncRNA CCAT1 Transcription at Single-Cell Resolution
University of Illinois at Urbana-Champaign (Illinois)
Dr. Daniel Larson, Dr. Nadezda Fursova

4-009. Ana Sophia Boehm (NCI)

Modulation of tumor phenotype via CXCR1/2 inhibition and response of tumor cells to the chemotherapy MMAE
St. John's College Highschool (District of Columbia)
Dr. Claudia Palena, Dr. Lucas Horn

4-010. Naomi Borek (NCI)

Single Molecule Microscopy of Metastatic Tumor Extracellular Vesicles
Cornell University (New York)
Preceptors: Dr. Jennifer Jones, Dr. Michelle Pleet

4-011. Briana Brock (NCI)

Associations of Platelet Metrics, Epstein-Barr Virus, and Malaria Exposure with Burkitt Lymphoma: A Case-Control Study
Morehouse School of Medicine (Georgia)
Dr. Sam Mbulaiteye, Dr. Jacquelyn Bedsaul-Fryer

4-012. Madelyne Brown (NCI)

A Content Analysis of Engagement Data in Zambia's Teal Sisters Foundation
University of Washington (Washington)
Dr. Kalina Duncan, Ms. Linsey Eldridge

4-013. Ryan Brownsweiger (NCI)

Development of a Cancer Case Database for the NIH Fanconi Anemia Screening study
University of Miami (Florida)
Preceptor: Dr. Lisa McReynolds

4-014. Julia Cerimele (NCI)

Exploring Hyaluronic Acid-CD44 Signaling in Solid Tumor Cell Lines
Amherst College (Massachusetts)
Dr. Alice Browne, Dr. Rosandra Kaplan

4-015. Aditya Chada (NCI)

Identification of Novel Therapeutic Targets in Adrenocortical Carcinoma
University of Michigan (Michigan)
Preceptor: Dr. Nitin Roper

4-016. Luke Chen (NCI)

Mapping the Transcriptional Landscape: How Post-Translational Modifications of RNA Polymerase II Control Pause-Release
Case Western Reserve University (Ohio)
Dr. Brian Lewis, Dr. David Levens

4-017. Mayling Chen (NCI)

Integrating CAR T Cell Engineering and Spatial Transcriptomics to Inform Immunotherapy for Medullary Thyroid Carcinoma
Johns Hopkins University (Maryland)
Dr. Naomi Taylor, Ms. Yasmin Mann

4-018. Rebecca Chow (NCI)

Breast Cancer Risk Factors in Relation to Gene Expression-based Subtypes in the Kenya Breast Cancer Study
Columbia University (New York)
Dr. Rose Yang, Dr. Li (Cindy) Feng

4-019. Zoe Christou (NCI)

Investigating the Role of FGFR2 in Osteosarcoma Tumorigenesis
University of Maryland, College Park (Maryland)
Preceptors: Dr. Jing Huang, Dr. Hualong Yan

4-020. Seyon Chung (NCI)

A tumor genomic signature underlies 27-Nor-5b-Cholestane-3a,7a,12a,24R,25S-Pentol Glucuronide (CPG), a non-invasive urinary prognostic biomarker of tumor immune state in lung cancer
University of Virginia (Virginia)
Preceptors: Dr. Daxeshkumar Patel, Dr. Xin Wang

4-021. Miranda Cincotta (NCI)

Epigenetic Classification of Primary and Metastatic Liver Tumors Using DNA Methylation Profiling
Saint Vincent College (Pennsylvania)
Dr. David Kleiner, Dr. Ziedulla Abdullaev

4-022. Amanda Clark (NCI)

Investigating the Role of the Microbiome in Melanoma
Oregon State University (Oregon)
Preceptors: Dr. Giorgio Trinchieri, Dr. Richard Rodrigues

4-023. Natalia Craig-Ruegg (NCI)

Structural Mechanism of Nucleosome Targeting by Pioneer Transcription Factor Pax7
Carleton College (Minnesota)
Preceptors: Dr. Yawen Bai, Dr. Benjamin Orris

4-024. Linel Demar (NCI)

An LLM-Powered Audit of Data-Sharing Disclosure Language in U.S. Cancer Clinical Trial Consent Forms
Drew University (New Jersey)
Dr. Ying Huang, Dr. Emily Boja

4-025. Eli Ehrlich (NCI)

Re-Response to Selumetinib After a Prolonged Drug Hold on NCI Clinical Trials for Neurofibromatosis Type 1 (NF1) Plexiform Neurofibromas
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Brigitte Widemann

4-026. Tochi Ezeanolue (NCI)

Understanding the role of technology applications to support survivors of early onset cancers
 University of Missouri-Kansas City School of Medicine (Missouri)
 Preceptors: Dr. Sudha Sivaram, Dr. Paul Pearlman

4-027. Allison Floyd (NCI)

Optimizing Clinical Trial Accrual with a Focus on Patient Engagement
 Boston University (Massachusetts)
 Preceptor: Dr. Brenda Adjei

4-028. Ellie French (NCI)

Regulation of the Breast Cancer Immune Microenvironment by LAG3+ Myeloid Cells
 Tulane University (Louisiana)
 Preceptors: Dr. Li Yang, Dr. Jae Young So

4-029. Yennifer Garzon (NCI)

Is Simpat/¿a associated with healthcare experience quality, adherence and self-advocacy among Hispanic/Latine adults?
 Adventhealth University (Florida)
 Dr. Amanda Garzon, Dr. Julian Martinez

4-030. Ava Gonzalez (NCI)

Evaluation of Virus-Like Particle Generation by Coadministration of HTLV Env and HIV Gag mRNA Vaccines
 University of California, Santa Barbara (California)
 Dr. Genoveffa Franchini, Dr. Massimiliano Bissa

4-031. Lauren Gonzalez (NCI)

High-Dimensional Deconvolution of Cellular Heterogeneity in Liver Cancer via Single-Cell RNA Sequencing
 University of California, Santa Barbara (California)
 Dr. Xin Wang, Dr. Farid Mehrabadi

4-032. Celese Gray (NCI)

HER2 Expression and Actionable Biomarkers in Genitourinary Malignancies: A Comparative Analysis of Penile Squamous Cell Carcinoma and Urothelial Bladder Cancer
 George Washington University (District of Columbia)
 Dr. Andrea Apolo, Dr. Salah Boudjadi

4-033. Jacob Halka (NCI)

Introduction of a Luciferase Reporter to Monitor In Vivo Tumor Growth of Primary Effusion Lymphoma Patient-Derived Xenografts
 University of Pittsburgh (Pennsylvania)
 Dr. Laurie Krug, Dr. James Glassbrook

4-034. Heewon Ham (NCI)

Role of Ligands in Regulation of Conformation of Multidrug Transporter P-Glycoprotein
 Vassar College (New York)
 Preceptor: Dr. Suresh Ambudkar

4-035. Adella Harb (NCI)

Optimization of H3K4me2 ChIP-seq from Cell-Free Plasma Chromatin in a Racially Diverse Cancer Patient Cohort
 University of Texas at San Antonio (Texas)
 Preceptors: Dr. David Takeda, Dr. Naimur Rahman

4-036. Alyssa Harrell (NCI)

Patient-Provider Communication About Online Health Information Seeking: A Mixed-Methods Scoping Review
 George Mason University (Virginia)
 Dr. Nicole Everson, Dr. Irina Iles

4-037. Christian Haryanto (NCI)

Effects of TGF-beta on Alternative Splicing
 Columbia University in the City of New York (New York)
 Preceptors: Dr. Ying Zhang, Dr. Christina Stuelten

4-038. Layla Hasanzadah (NCI)

Effects of Pre-Operative Dose-Escalated Radiotherapy on Stage 1 Breast Cancer Tumor Microenvironment
 George Mason University (Virginia)
 Preceptors: Dr. Rosa Nguyen, Dr. Constanza Rodriguez

4-039. Emma Hicks (NCI)

Bre1 Contributes to Proteolysis of Cse4 in Saccharomyces cerevisiae
 Wake Forest University (North Carolina)
 Preceptors: Dr. Munira Basrai, Dr. Prashant Mishra

4-040. Ruby Honjol (NCI)

Do Foundation Models Attend to What Matters? Biologically Grounded Attention for Predicting Ki67 from H&E in Prostate Cancer
 Stanford University (California)
 Preceptors: Dr. Stephanie Harmon, Dr. Ismail Turkbey

4-041. Linda Huang (NCI)

Quantifying the Impact of HLA-C Polymorphism on KIR2DL Recognition
 Johns Hopkins University (Maryland)
 Preceptor: Dr. Mary Carrington

4-042. Alexander Hwang (NCI)

A Regulatory Mechanism of Anti-Apoptotic Mcl-1 Expression in Foxp3+ Treg Cells
 University of Maryland, College Park (Maryland)
 Preceptors: Dr. Jung-Hyun Park, Dr. Cesar Speck

4-043. Keito Ishibashi (NCI)

Differential Roles of Chemokines, CCL21 and CCL25, in T-Cell Development in the Thymus.
 Bowdoin College (Maine)
 Preceptors: Dr. Jie Li, Dr. Yousuke Takahama

4-044. Riya Joshi (NCI)

Selective Activation and Expansion of TCR Engineered T-Cells Using a Cis IL-2 Targeting Bifunctional Antibody
 Princeton University (New Jersey)
 Dr. Ling Zhang, Dr. James Gulley

4-045. Nihal Josyula (NCI)

Deep Learning Reconstruction for Collimator-less SPECT
Carnegie Mellon University (Pennsylvania)
Dr. Ismail Turkbey, Dr. Nathan Lay

4-046. Dohyun Ju (NCI)

Machine learning-based identification of biomarkers associated with alternative lengthening of telomeres (ALT) in osteosarcoma
Williams College (Massachusetts)
Dr. Sarah Clatterbuck Soper, Dr. Paul Meltzer

4-047. Anika Kakarla (NCI)

Molecular and clinical characterization of fusion-negative alveolar rhabdomyosarcoma
Williams College (Massachusetts)
Preceptors: Dr. Frederic Barr, Dr. Wenye Sun

4-048. Varun Kanangat (NCI)

Generating an immune organoid as a platform for in vitro vaccine testing
University of Pennsylvania (Pennsylvania)
Preceptor: Dr. Man Hsin Hung

4-049. Dika KC (NCI)

rRNA Modifications Promote Bacterial Development
Wellesley College (Massachusetts)
Preceptors: Dr. Kumaran Ramamurthi, Dr. Zachory Park

4-050. Ethan Khan (NCI)

Healthcare Providers' Perspectives on Advance Care Planning for Early Adolescents
University of Maryland: College Park (Maryland)
Preceptor: Dr. Lori Wiener

4-051. Sean Kim (NCI)

Targeting the SIX1-EYA2 Axis to Reverse Mesenchymal Transition and Chemoresistance in Neuroblastoma
Colgate University (New York)
Dr. Carol Thiele, Dr. Xingyu Liu

4-052. Omer Korkmaz (NCI)

Targeting Regulator of G-protein Signaling, α 1 (RGS1) to Enhance hYP218 CAR-T Cell Activity in Mesothelin-expressing Solid Tumors
Johns Hopkins University (New Jersey)
Preceptors: Dr. Raffit Hassan, Dr. Abhilash Venugopalan

4-053. Paola Kotori (NCI)

The Role of p53 in Cancer Stem Cells of Anaplastic Thyroid Cancer (ATC)
Rutgers University - NB (New Jersey)
Dr. Xuguang Zhu, Dr. Sheue-Yann Cheng

4-054. Colin Larkin (NCI)

Evaluation of Anti-CD3 LNP-Mediated Delivery of Anti-GPC3 CAR Constructs for In Vivo CAR-T Cell Generation
Virginia Polytechnic Institute and State University (Virginia)
Dr. Mitchell Ho, Dr. Mingyu Huo

4-055. Joe Larrivee (NCI)

Investigating the Effects of MeCP2 Overexpression on Neuro2A Cell Growth
Mount St. Mary's University (Maryland)
Preceptors: Dr. Lisa Boxer, Dr. Wen-Chi Shu

4-056. Wesley Lau (NCI)

The Role of Soluble Tissue Factor (sTF) in Thrombosis
University of Maryland, College Park (Maryland)
Dr. Zheng-Gang Liu, Dr. Swati Choksi

4-057. Haoran Li (NCI)

An Immunological Framework for Classifying Commensal Bacteria
University of Maryland School of Medicine (Maryland)
Preceptors: Dr. Amiran Dzutsev, Dr. Jacob Pederson

4-058. Wenting (Kate) Li (NCI)

Long-term Intubation for Oral Gavage-based Drug Delivery in Adult Zebrafish
Washington University in St. Louis (Missouri)
Dr. Kandice Tanner, Ms. Patricia Gordon

4-059. Jiayang Lin (NCI)

Visualizing Microtubule Organization and Dynamics in Cancer Cells Using Polymerized Tubulin-Specific Nanobodies
University of Illinois at Urbana-Champaign (Illinois)
Dr. Mitchell Ho, Dr. Shaoli Lin

4-060. Katie Lin (NCI)

^{68}Ga -PentixaFor Uptake Activity in the Adrenal Glands for Patients with Primary Aldosteronism and Cushing's Syndrome
University of California, Berkeley (California)
Dr. Liza Lindenberg, Dr. Esther Mena

4-061. Ryan Liston (NCI)

Exploring the Impact of MYCN Amplification Topology on Neuroblastoma Plasticity
University of Maryland, College Park (Maryland)
Preceptors: Dr. Stefano Di Giulio, Dr. Carol Thiele

4-062. Tony Liu (NCI)

Investigating the correlation between Cohesin functions and DNA supercoiling
Vanderbilt University (Tennessee)
Preceptor: Dr. Chongyi Chen

4-063. Annabelle Lu (NCI)

The Role of TAGAP in CD4+ T Cell Function
University of California, Riverside (California)
Dr. Eunbi Park, Dr. Vanja Lazarevic

4-064. Jacob Ma (NCI)

Rapid Screening of Tumor-specific T Cell Receptors
University of California Los Angeles (California)
Dr. Sri Krishna, Dr. Sydney Connor

4-065. Kate McManus (NCI)

Effect of modulators on transport function of P-glycoprotein

University of Pittsburgh (Pennsylvania)

Preceptors: Dr. Suresh Ambudkar, Dr. Andaleeb Sajid

4-066. Caleb Mertus (NCI)

Mechanism-based combination treatment for pancreatic cancer

Howard University College of Medicine (District of Columbia)

Dr. Brajendra Tripathi, Dr. Douglas Lowy

4-067. Erica Muragaki (NCI)

Comparison of Gene Expression Correlation Models in Single-Cell Transcriptomics

University of Maryland, College Park (Maryland)

Preceptor: Dr. Peng Jiang

4-068. Rajiv Natesan (NCI)

Analysis of Trust in Cancer Information Sources and Awareness of Alcohol as a Cancer Risk Factor: A Cross-Sectional Study Using HINTS 7

University of California, Irvine (California)

Preceptor: Dr. Francis Perna

4-069. Dia Nawathe (NCI)

Is Human Gene Expression Variability Subject to Selection?

University of Maryland, College Park (Maryland)

Preceptor: Dr. Sridhar Hannenhalli

4-070. Norah Nguyen (NCI)

Examining Risk of Cognitive Decline Across Cancer Populations in the SEER-MHOS Data Resource

Stanford University (California)

Dr. Roxanne Jensen, Ms. Kirsten Evans

4-071. Sorelle Ojeda (NCI)

DDK Inhibition in TP53 Wild-Type vs TP53 Mutant Multiple Myeloma

Texas State University (Texas)

Dr. Beverly Mock, Dr. Snehal Gaikwad

4-072. Shriya Pai (NCI)

Optimization of Antibodies Targeting GPC1 in Cancer via Computational and Experimental Engineering Approaches

Massachusetts Institute of Technology (Massachusetts)

Preceptors: Dr. Mitchell Ho, Dr. Shane Tsao

4-073. Divya Parmar (NCI)

Assessing the prevalence, covariance, and predictors of uncertain responding about four health-related beliefs.

Johns Hopkins University (Maryland)

Dr. Emma Jesch, Dr. Irina Iles

4-074. Dhruvi Patel (NCI)

Post-Diagnosis Changes in Mammographic Breast Density Among Breast Cancer Survivors: A Potential Marker for Personalized Surveillance

Texas A&M University (Texas)

Preceptor: Mrs. Amber Hurson

4-075. Shiv Patel (NCI)

Reliance on Generative AI and Large Language Models in Clinical Settings

Florida State University (Florida)

Preceptor: Dr. Roxanne Jensen

4-076. Cindy Patippe (NCI)

Investigating the Role of Allostatic Load in Sex Differences in All-Cause Mortality

New York University (New York)

Preceptor: Dr. Sarah Jackson

4-077. Riya Paul (NCI)

Investigating the Role of PML Bodies in KSHV Reactivation

University of Maryland (Maryland)

Preceptors: Dr. Robert Yarchoan, Dr. Ashwin Nair

4-078. Madeline Phillips (NCI)

Tumor-Targeted IL-12 via Hepatic Artery Infusion Pump for Patients with Colorectal Liver Metastases

University of Virginia School of Medicine (Virginia)

Preceptors: Dr. Jonathan Hernandez, Dr. Emily Smith

4-079. Mayah Phillips (NCI)

Under the Influence: Pharmacological Reprogramming of T cell Activation and Phenotype

Rochester Institute of Technology (New York)

Dr. Gregoire Altan-Bonne, Dr. Hassan Jamaledine

4-080. Michelle Prophete (NCI)

Epigenetic Patterns Associated with Stemness in the Developing Lung

University of Florida (Florida)

Preceptor: Dr. Sridhar Hannenhalli

4-081. Alissa Rams (NCI)

Associations between Social Isolation, Chronic Pain, and Tobacco Use among U.S. Adults: Results from the Health Information National Trends Survey, 2024

George Washington University (District of Columbia)

Preceptor: Dr. Annette Kaufman

4-082. Isabella Relacion (NCI)

"Multiple Endocrine Neoplasia Type 2B: Age-Related Onset of Phenotypic and Orthopedic Findings"

Northeastern University (Massachusetts)

Dr. John Glod, Dr. Srivandana Akshintala

4-083. Codrin Robu (NCI)

Serum Biomarker Signatures for Brain Tumor Classification via Raman Spectroscopy and Machine Learning

Clemson University (South Carolina)

Dr. Mioara Larion, Dr. Adrian Lita

4-084. Eileen Rong (NCI)

mtKO: A dedicated guide RNA library for mitochondria redox biology research

Georgetown University (District of Columbia)

Dr. Chunzhang Yang, Dr. Karambir Fnu

4-085. Gwendolyn Roux (NCI)

Targeting DNA Methylation in Cancers Using the Selective DNMT3A Inhibitor DY-46-2

University of North Carolina at Chapel Hill (North Carolina)
Preceptors: Dr. Lisa Boxer, Mrs. Kaitlynn Slattery

4-086. Henry Ruhl (NCI)

Generation and Enrichment of GFP-Luciferase Expressing Cell Lines Using Lentiviral Transduction

Case Western Reserve University (Ohio)
Preceptor: Dr. Tim Greten

4-087. Isabel Sachs (NCI)

Novel Drug Combinations in Multiple Myeloma

Boston University (Massachusetts)
Dr. Beverly Mock, Dr. Snehal Gaikwad

4-088. Kathryn Shea (NCI)

Hysterectomy-Adjusted, Bias-Corrected Uterine Cancer Rates, 2005-2023

University of California Davis (California)
Preceptor: Dr. Mandi Yu

4-089. Kayden Shih (NCI)

Signatures of Radiotherapy: Exosomal MicroRNA Profiling of Heterogeneous Carcinoma Lineages for Precision Medicine

Johns Hopkins University (Maryland)
Preceptor: Dr. Naris Nilubol

4-090. Alec Silver (NCI)

From Snakemake to Nextflow: Modernizing Bulk RNA-seq Pipeline for Reproducible Cancer Research

Boston University (Massachusetts)
Preceptor: Ms. Kelly Sovacool

4-091. Amaya Simoni-Walters (NCI)

Investigating the effects of acetyltransferase HqbA on RNA Chaperone Hfq-mediated gene expression in E. coli

New Mexico State University (New Mexico)
Preceptor: Dr. Susan Gottesman

4-092. Anjika Singh (NCI)

Investigating Hsp90Ec Mutants that Interact with CbpA but not with DnaK

University of Maryland (Maryland)
Preceptors: Dr. Sue Wickner, Dr. Patrick Needham

4-093. Lela Skopec (NCI)

Effects of DNA Methylation on Standard Chemotherapy in Small-Cell Lung Cancer Based on ASXL3 Levels

Georgetown University (District of Columbia)
Preceptors: Dr. David Schrupp, Dr. Rui Hong Wang

4-094. Bhargav Srinivasan (NCI)

A Deep Learning Approach to Identifying Complex Structural Variation in the Genome

University of Maryland (Maryland)
Preceptor: Dr. Mikhail Kolmogorov

4-095. Theerth Vikas Srinivasan (NCI)

Total Tumor Uptake Volume (TTUV) of DOTATATE vs FDG PET as a Predictive Marker of PRRT Efficacy in Pheochromocytoma

Georgia Institute of Technology (Georgia)
Preceptors: Dr. Frank Lin, Dr. Ismail Turkbey

4-096. Keshav Sriram (NCI)

Evaluating the Role of a Small Intron in Nuclear Speckle Localization of the lncRNA MALAT1

University of Miami (Florida)
Preceptors: Dr. Ashish Lal, Dr. Chosita Norkaew

4-097. Shivashankar Subramanian (NCI)

Mechanical Modulation of Blood-Brain Barrier Integrity in Zebrafish

Georgia Institute of Technology (Georgia)
Dr. Kandice Tanner, Ms. Patricia Gordon

4-098. Quinn Sullivan (NCI)

RRM1 Confers Resistance to CHK1 Inhibitor Prexasertib

University of Maryland, College Park (Maryland)
Preceptor: Dr. Michael Gottesman

4-099. Atul Thirumalai (NCI)

Genome Wide CRISPR screens identifies a role for ZNF830 in preventing mislocalization of CENP-A to maintain chromosomal stability

University of California Los Angeles (California)
Dr. Subhash Sethi, Dr. Munira Basrai

4-100. Lydia Vassiliadi (NCI)

Identifying and Validating Novel Targets of the Cell Cycle Activator Complex Cyclin D-CDK4/6 in Breast Cancer

Johns Hopkins University (Maryland)
Preceptor: Dr. Mardo Koivomagi

4-101. Julia Victor (NCI)

Fatty acid mediated regulation of CAR-T cell fitness and anti-tumor function

Washington University in St. Louis (Missouri)
Preceptor: Dr. Naomi Taylor

4-102. Ann Mariel Villanueva (NCI)

The Role of NFX1-Type Zinc Finger-Containing Protein 1 (ZNF1) in Regulation of NK Cell and dsRNA Mediated Stress in HLRCC

Tufts University (Massachusetts)
Dr. Pedro Batista, Dr. Sneha Kulkarni

4-103. Allan Visochek (NCI)

Integration of a New Module for Differentially Expressed Genes and Pathway Analysis Into CellMinerCDB

Georgia Institute of Technology (Georgia)
Dr. Fathi Elloumi, Dr. Augustin Luna

4-104. Andrew Vo (NCI)

Regulation of CD36 degradation, a Lipid Transport Receptor

Virginia Commonwealth University (Virginia)
Preceptors: Dr. Yang Gu, Dr. Chuan Wu

4-105. Evan Wang (NCI)

Investigation of RTEL1 Function in Telomerase Activity
University of Maryland College Park (Maryland)
Preceptors: Dr. Eros Lazzerini Denchi, Dr. Ranjodh Sandhu

4-106. Grace Wang (NCI)

Functional characterization of the structurally related proteins Cep57 and Cep57L1 in centriole duplication and human disease

Johns Hopkins University (Maryland)
Dr. Jung-Eun Park, Dr. Kyung Lee

4-107. Merton Wang (NCI)

Investigating the Role of SFPQ and SF3b6 RNA-Binding Proteins in Human Intron Splicing Kinetics Using Live-Cell Imaging

National Taiwan University (Taiwan)
Dr. Jee Min Kim, Dr. Daniel Robert Larson

4-108. Alexander Wen (NCI)

Development of a reporter assay for activation of the antigen presentation pathway

Johns Hopkins University (Maryland)
Dr. Javed Khan, Dr. David Milewski

4-109. Cameron Westlake (NCI)

Generating Stable ALFA-Tag-Nanobody-Expressing Cell Lines via Lentiviral Transduction

University of Maryland College Park (Maryland)
Preceptor: Dr. Shalini Oberdoerffer

4-110. Gillian White (NCI)

Development and Characterization of CRISPR/Cas9-Integrated Murine Oral Squamous Cell Carcinoma Cell Lines in Immunocompetent Mouse Models

Cornell University (New York)
Preceptor: Dr. Joe Nguyen

4-111. Jeremy Wong (NCI)

Multidrug Transporters Implicated In Chemoresistance

New York University (New York)
Preceptors: Dr. Suresh Ambudkar, Dr. Paula Salazar

4-112. Yasmin Yanthis (NCI)

CT Imaging Phenotypes and Survival in Lung Cancer in Never Smokers: The Sherlock-Lung Study

Howard University (District of Columbia)
Preceptors: Dr. Teresa Landi, Dr. Trinh Tran

4-113. Jayden Zhang (NCI)

Effects of Novel iNKT Agonist SAP-3 (JBD-2-114) on PBMC-Derived Antigen Presenting Cells

Johns Hopkins University (Maryland)
Dr. Masaki Terabe, Dr. Svetlana Korinfskaia

4-114. Jessica Zhang (NCI)

Peroxiredoxin 1 Safeguards the Nucleolar Genome from Oxidative Damage

University of California - Los Angeles (California)
Dr. Urbain Weyemi, Dr. Vaibhavi Gujar

4-115. Kaylee Zhang (NCI)

CRISPR/Cas9-based generation of genetically modified mouse embryonic stem cell lines

Rutgers University (New Jersey)
Preceptor: Dr. Sergio Ruiz Macias

4-116. Kangyi Zhou (NCI)

A Novel Extracellular Matrix Remodeling Therapeutic Strategy in Osteosarcoma

Stanford University (California)
Dr. Rosandra Kaplan, Dr. Alice Browne

4-117. Bailey Zimmerman (NCI)

The Psychosocial and Demographic Factors Impacting Smoking Cessation: A Literature Review

University of Virginia (Virginia)
Preceptor: Dr. Stephanie Land

National Center for Advancing Translational Sciences (NCATS)

5-001. Andre Aguirre (NCATS)

Measurement of Serine Hydroxymethyltransferase-2 (SHMT2) Ligand Binding Using the Structural Dynamic Response (SDR) Assay Platform

University of Texas at San Antonio (Texas)
Dr. James Inglese, Dr. Patricia Dranchak

5-002. Maliha Aziz (NCATS)

ConcuRx: A Robust Method for Identifying Drug Mechanism-of-Action, Associated Genes Across Heterogeneous Datasets.

The George Washington University (District of Columbia)
Dr. Mahfuza Sharmin, Dr. Ewy Mathe

5-003. Sophia Counts (NCATS)

Measurement of Aldo-Keto Reductase Ligand Binding Using the Structural Dynamics Response (SDR) Assay Platform

Fairfield University (Connecticut)
Dr. James Inglese, Dr. Patricia Dranchak

5-004. Oliver Ding (NCATS)

Evaluation of Substrate Effects on a Novel Cyclization toward Imidazo[1,2-a]pyridine carboxylic acid: a core structure of Telacebec (Q203)

Brown University (Rhode Island)
Preceptors: Dr. Junfeng Huang, Dr. Zhenhua Wu

5-005. Ruth Engida (NCATS)

Tissue Gene Expression Data Ingestion into the Biomedical Translator

Catholic University of America (District of Columbia)
Preceptor: Mr. Mark Williams

5-006. Katherine Fisher (NCATS)

Characterization of a KIAA1549-BRAF Fusion Reporter Cell Line for Use in High-Throughput Screening

Georgetown University (District of Columbia)
Dr. Carina Danchik, Dr. Matthew Hall

5-007. Kai Henrikson-Brandt (NCATS)

From In Silico to Bench: Deep Learning-Based De Novo Design, Computational Validation, and Synthesis of CD109-CD26-Targeting Peptides for T-Cell Modulation
Johns Hopkins University (Maryland)
Preceptor: Dr. Ganesha Rai Bantukallu

5-008. Nicholas Hodder (NCATS)

Development of High-Throughput Screening Method to Detect Non-Genotoxic Carcinogens
Loyola Marymount University (California)
Preceptors: Dr. Menghang Xia, Dr. Masato Ooka

5-009. Zahra Khanjani (NCATS)

Towards Machine Learning Pipelines for Rare Disease Early Detection using National Clinical Cohort (N3C)
University of Maryland Baltimore County (Maryland)
Preceptor: Dr. Arjun Singh

5-010. Hunter King (NCATS)

GPCR Predictor: Generalized Multi-Stage AI Modeling for GPCR Ligand Discovery
Johns Hopkins University (Maryland)
Preceptor: Dr. Xin Hu

5-011. Adrian Kuehnemund (NCATS)

Application of a High-Throughput MS-Based Lipid Extraction and Quantitation Assay with DILI-Associated Clinical Samples
University of Massachusetts Amherst (Massachusetts)
Dr. Dingyin Tao, Ms. Yuhong Fang

5-012. Allison Lee (NCATS)

LLM-Assisted Quality Control for Rare Disease-based PubMed Article Retrieval
University of Maryland - College Park (Maryland)
Preceptor: Mr. Tongan Zhao

5-013. Vishnuvardhan Marella (NCATS)

Systems-Biology Prioritization of CB1, AMPK Bridge Genes Linking Metabolic and Reproductive Dysfunction in PMOS
Georgetown University (District of Columbia)
Preceptor: Dr. Qian Zhu

5-014. Akshaya Mushti (NCATS)

Discovery of Selective Histamine N-Methyltransferase Inhibitors via Virtual Screening
University of Illinois at Urbana-Champaign (Illinois)
Dr. Samarjit Patnaik, Dr. Surendra Karavathi

5-015. William Newsted (NCATS)

Synthesis and Biological Evaluation of Spirochromane-Quinoline Analogs as Potential Anti-Ebola Agents
University of Tennessee at Martin (Tennessee)
Dr. Hua Gong, Dr. Wenwei Huang

5-016. Ann-Paola Ngamo (NCATS)

Optimization of a SKP2-HiBiT Assay Toward Natural Product-Driven Cancer Prevention and Intervention
University of Maryland (Maryland)
Preceptor: Dr. Sara Sanders

5-017. Junhyeok Park (NCATS)

Synthesis and Evaluation of Potential Glucocerebrosidase Small-Molecule Chaperones for the Treatment of Gaucher and Parkinson's Disease
Vassar College (New York)
Preceptors: Dr. Juan Marugan, Dr. Alex Vendola

5-018. Olivia Petri (NCATS)

Identification of Regulators of Interferon Production by a Kinome-Wide siRNA Screen
Princeton University (New Jersey)
Dr. Ken Chih-Chien Cheng, Dr. Edward Chih-Yuan Chiang

5-019. Liam Short (NCATS)

Generation and Characterization of Miniaturized-DREADD Induced Pluripotent Stem Cell Lines for Chemogenetic Applications
University of Maryland, Baltimore County (Maryland)
Dr. Carlos Tristan, Dr. David Castellano

5-020. Noel Southall (NCATS)

Integration of Graph Convolution Network into Deep Learning Consensus Architecture for Virtual Screening and Drug Discovery
University of Maryland, College Park (Maryland)
Preceptor: Dr. Alexey Zakharov

5-021. Chynece Strong (NCATS)

Small Molecule Drug Repurposing for Cancer Using In-Silico New Approach Methodologies (NAMs)
Howard University (District of Columbia)
Preceptor: Dr. Pramod Terse

5-022. Max Summerfield (NCATS)

Testing Dosage Buffering as a Selective Vulnerability in Chromosome 8q-Trisomic Melanoma Cells
Frostburg State University (Maryland)
Preceptors: Dr. Matthew Hall, Dr. Jonathan Shrimp

5-023. Ashwin Whig (NCATS)

Building a Comprehensive Plasma Protein Binding Dataset Through Experimental Characterization and External Dataset Integration for Development of Predictive Model
Ohio State University (Ohio)
Preceptors: Dr. Pranav Shah, Dr. Xin Xu

5-024. Gavrila Wicaksono (NCATS)

Cross-Species Transcriptomics and Molecular Docking Identify Small Molecule Candidates Targeting Shared DEGs in Canine and Human Osteosarcoma
Brandeis University (Massachusetts)
Preceptor: Dr. Gregory Tawa

5-025. Richard Xu (NCATS)

Machine Learning Models for the Prediction of MT1G Activators
Virginia Tech (Virginia)
Preceptors: Dr. Ruili Huang, Dr. Tuan Xu

5-026. Annabelle Yontef (NCATS)

Breath of Evidence- A Meta-Analysis of Lung Disease and Phenotypic Outcomes

University of Maryland, College Park (Maryland)

Preceptor: Dr. Ewy Mathe

5-027. Alexander Zou (NCATS)

Disease Modeling and Drug Discovery for Bain type X-linked Intellectual Disability Syndrome HNRNP2 Mutation using iPSC

University of Illinois Urbana-Champaign (Illinois)

Dr. Wei Zheng, Dr. Guibin Chen

National Cancer Institute (NCI)**5-028. Elliot Anderson (NCI-Frederick)**

Characterization of cathepsin+ mesenchymal cell distribution, heterogeneity, and function in M. lignano

Georgetown University (District of Columbia)

Preceptor: Dr. Erin Davies

5-029. Srijay Bandi (NCI-Frederick)

Synthesis of a Gold Nanoparticle Sensor for the Detection of Pancreatic Cancer

North Brunswick High School (New Jersey)

Preceptors: Dr. Joseph Barchi, Dr. Athar Nakisa

5-030. Isabela Boboccea (NCI-Frederick)

GPBP1 as a Novel Binding Partner of the Translation Initiation Factor eIF3

University of Massachusetts Amherst (Massachusetts)

Preceptors: Dr. Filip Pekovic, Dr. Eugene Valkov

5-031. Bennett Cauble (NCI-Frederick)

Development of Multiplex Fragment Analysis EMAST Assay

University of Maryland College Park (Maryland)

Mr. Todd Young, Dr. Ryan Baugher

5-032. Adeline Cheng (NCI-Frederick)

Neutrophil Dysfunction Promotes Fungal Infection-Associated Esophageal Squamous Cell Carcinoma in KA/KA Mice

University of California, San Diego (California)

Dr. Feng Zhu, Dr. Yinling Hu

5-033. Elliot Griffiths (NCI-Frederick)

The Transcription Factor C/EBPD Regulates Granulocyte Lineage Commitment

Muhlenberg College (Pennsylvania)

Dr. Esta Sterneck, Dr. Shiba Dash

5-034. Sawyer Grunwell (NCI-Frederick)

Impact of Extracellular Matrix (ECM) Composition on the Morphology, Function, and Pharmacology of Intestinal Organoids

University of Maryland (Maryland)

Dr. Nathan Coussens, Dr. Zahra Davoudi

5-035. Moyed Intiaz (NCI-Frederick)

Automatic detection of lymphoid aggregates in H&E tissue sections

Hood College (Maryland)

Preceptors: Dr. Stephen Lockett, Dr. David Wink

5-036. Kirsten Lee (NCI-Frederick)

Development of Degradable Targeting Proteasome Subunit Rpn13

Korea University (South Korea)

Dr. Kylie Walters, Dr. Xiuxiu Lu

5-037. Asha Maher (NCI-Frederick)

Investigating adult axis establishment during planarian embryogenesis

University of Kansas (Kansas)

Preceptor: Dr. Erin Davies

5-038. Shannah Meushaw (NCI-Frederick)

Investigating wnt Activation as a Rescue for Basigin Loss of Function Phenotypes

West Virginia University (West Virginia)

Preceptor: Dr. Ira Daar

5-039. Aaditya Natarajan (NCI-Frederick)

Investigating NAA60-Dependent Regulation of SLC19A1 in Methotrexate Resistance

Case Western Reserve University (Ohio)

Dr. Michael Aregger, Dr. Josef Horak

5-040. Cassandra Nti (NCI-Frederick)

Neutrophil-Induced Cytoskeletal Remodeling in Bone-metastatic Prostate Cancer

University of Maryland-College Park (Maryland)

Preceptors: Dr. Leah Cook, Ms. Sanjana Rajgopal

5-041. Reilly O'Brien (NCI-Frederick)

Near-Infrared Light Enables Precision Activation of Masked Protein Therapeutics

University of Virginia (Virginia)

Dr. Martin Schnermann, Dr. Xiaoyi Li

5-042. Sarah Orfaly (NCI-Frederick)

Optimization of Lymph Node Decellularization

University of Virginia (Virginia)

Preceptor: Dr. Matthew Wolf

5-043. Poorna Prakash (NCI-Frederick)

Comparative Analysis of Antibody-Drug Conjugate Anti-Tumor Activity Across Payloads, Target Antigens, and Tumor Types

Georgetown University (District of Columbia)

Dr. Brad St. Croix, Dr. Jaewon Lee

5-044. Lana Saopraseuth (NCI-Frederick)

IgG Mammalian Display Library for Anti-Glycan Antibody Discovery

California Institute of Technology (California)

Preceptors: Dr. Jeffrey Gildersleeve, Dr. Sebastian Temme

5-045. Matthew Sharp (NCI-Frederick)

Prostate Cancer Cell Responses to Docetaxel and Enzalutamide in 2D vs 3D Models
University of Illinois at Urbana-Champaign (Illinois)
Preceptors: Dr. Leah Cook, Dr. Julio Valencia

5-046. Amelia Starr (NCI-Frederick)

Optimizing Near Full-Length Single Genome Sequencing to Characterize the HIV Proviral Landscape in Tissues and Organoid Models
Howard High School (Maryland)
Dr. Mary Kearney, Dr. Adam Capoferri

5-047. Olivia Thomas (NCI-Frederick)

Dissecting Ephrin-B Homo- and Heterodimer Function Using a Light-Inducible Optogenetic System
University of Maryland (Maryland)
Preceptors: Dr. Ira Daar, Dr. Jaeho Yoon

5-048. Maryangeles Vasquez (NCI-Frederick)

Developing a Model to Analyze Microscopy Images by Volume, Area, and Live/Dead Morphology
Purdue University (Indiana)
Dr. Nathan Coussens, Mr. Eric Jones

5-049. Isabel Waltrip (NCI-Frederick)

Illumina Short-Read Sequencing Workflow
University of Maryland - College Park (Maryland)
Ms. Jyoti Shetty, Ms. Yuliya Kriga

5-050. Alysia Zulu (NCI-Frederick)

Investigating the Impacts of Interferons and Interferon-stimulated Genes During Osteoclastogenesis
University of Maryland, College Park (Maryland)
Dr. Kin Kui Lai, Dr. Alex Compton

National Human Genome Research Institute (NHGRI)

5-051. Claire Ahn (NHGRI)

Validation of CRISPR Edited NLRX1 Cell Models to Investigate HIV Long Term Non-Progression
Johns Hopkins University (Maryland)
Dr. Neil Hanchard, Mrs. Aparna Haldipur

5-052. Michelle Barnes (NHGRI)

Phylogenomic Insights into Commensal Strains from Nursing Home Residents
Colby College (Maine)
Preceptors: Dr. Sean Conlan, Dr. Julie Segre

5-053. Sebastian Bentz Figueroa (NHGRI)

The Mediating Role of Psychological Stress between Disease Casual Beliefs and Mental Health Outcomes in Caregivers
University of Puerto Rico Rio Piedras Campus (Puerto Rico)
Preceptor: Dr. Laura Koehly

5-054. Ralph Cerbone (NHGRI)

Structural Analyses of the Cnidarian Allorecognition Complex Display Remarkable Similarity to Proteins Involved in Vertebrate Immunity
University of New Hampshire (New Hampshire)
Dr. Alberto Rivera, Dr. Andreas Baxevas

5-055. Ohanna Cho (NHGRI)

Validation of the Evaluating and Assessing Genetic Literacy (EAGL) Measure in Spanish
Ohio State University (Ohio)
Preceptor: Dr. Chris Gunter

5-056. Samantha Desi (NHGRI)

Understanding Physician Decision-Making about Polygenic Risk Scores in a Virtual Clinical Setting
Towson University (Maryland)
Preceptor: Dr. Susan Persky

5-057. Jonathan Fan (NHGRI)

Long-Read Genomic Analysis of an Undiagnosed Neurodegenerative Disorder
Brown University (Rhode Island)
Dr. Neil Hanchard, Dr. Yixing Han

5-058. Anna Ferrante (NHGRI)

Evaluating lysosomal stress response in GBA1 knockout models of Gaucher and Parkinson's disease
College of William and Mary (Virginia)
Dr. Ellen Sidransky, Dr. Yu Chen

5-059. Kevin Fuentes-Gonzalez (NHGRI)

Decoding Gene Regulatory Networks Driving Support Cells Reprogramming into Hair Cells in Zebrafish Sensory Epithelia
Colgate University (New York)
Preceptor: Dr. Shawn Burgess

5-060. Caitlyn Garcia (NHGRI)

Functional Characterization of RUNX1 Variants Identified in Individuals with Familial Platelet Disorder
University of Florida (Florida)
Dr. Paul Liu, Dr. Ana Catarina Menezes

5-061. Kyle Heye (NHGRI)

Identifying Poxvirus K3 Ortholog Residues Responsible for Protein Kinase R Inhibition in High Throughput
University of California, Davis (California)
Dr. Meru Sadhu, Mr. Tristan Grieve

5-062. Anushka Kumar (NHGRI)

Codifying Narrative Identity Construction and Meaning-Making among Parents of Children with Chronic Medical Conditions
Duke University (North Carolina)
Dr. Laura Koehly, Dr. Lori Erby

5-063. Ferenc Leonardo Livak (NHGRI)

Ancestry-Informed HLA Association Analysis of SLE in Peruvians
University of Maryland, College Park (Maryland)
Preceptors: Dr. Lindsey Criswell, Dr. Richard Oppong

5-064. Jack Meltzer (NHGRI)

Contradictions

University of North Carolina - Chapel Hill (North Carolina)
Preceptor: Dr. Ben Solomon

5-065. Tenley Overdeck (NHGRI)

Optimization and Comparative Stability Analysis of Cryoprotectant Solutions for Novel RNA-LNP Therapeutic Storage

Pomona College (California)

Dr. Charles Venditti, Dr. Pamela Sara Head

5-066. Molly Panepento (NHGRI)

Analysis of Genome Data from UDP Neurological Cohort

University of Maryland, College Park (Maryland)

Preceptor: Mrs. Ellen Macnamara

5-067. Annalise Thaler (NHGRI)

In vivo genome editing at the albumin locus to treat propionic acidemia

Saint Joseph's University (Pennsylvania)

Preceptors: Dr. Randy Chandler, Dr. Charles Venditti

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

5-068. Robert Boboceja (NIAAA)

Role of Midbrain Astrocytes in Motor and Reward-seeking Behaviors

Needham High School (Massachusetts)

Preceptors: Dr. David Lovinger, Dr. Lee Peyton

5-069. Alexander Crowell (NIAAA)

Embryonic days 10 to 13 define a critical developmental window for prenatal alcohol-induced associative learning deficits

Northwestern University (Illinois)

Dr. Priscila Correa Antonello, Dr. Michelle Antoine

5-070. Elizabeth Issac (NIAAA)

Effects of CHRNA5 Polymorphism on Probabilistic Reversal Learning: an event-related fMRI study

University of Maryland-College Park (Maryland)

Preceptors: Dr. Michael Bremmer, Dr. Vijay Ramchandani

5-071. Malcolm Lakey (NIAAA)

Design, Synthesis and Evaluation of DREADDs Ligands for Improved Chemogenetic Control

University of Delaware (Delaware)

Preceptor: Dr. Malliga Iyer

5-072. Rania Lateef (NIAAA)

SCENTS and SENSIBILITY: Familial Patterns and Comorbidity of Olfaction with Mental Health and Substance Use Disorders

Stanford University (California)

Dr. Paule Joseph, Dr. Kathleen Merikangas

5-073. Muskan Manchanda (NIAAA)

Brain-Wide Characterization of Astrocyte Activation Following Immune and Thermal Stressors

George Washington University (District of Columbia)

Dr. Rachel Keith, Dr. Michelle Antoine

5-074. Nathaniel Munoz (NIAAA)

Timing of Supplementation Alters Motivation in Food-Restricted Mice: Implications for Operant Behavioral Outcomes

University of Texas at El Paso (Texas)

Dr. Hugo Tejeda, Dr. Paule Joseph

5-075. Nathaniel Munoz (NIAAA)

Self-Generated States of Enhanced Motivation on Circadian Scales: Implications for Classical Behavioral Experiments

University of Texas at El Paso (Texas)

Dr. Hugo Tejeda, Dr. Paule Joseph

5-076. Kushaan Sharma (NIAAA)

MARS: Mouse Automated Real-Time Scoring

The University of Texas at Austin (Texas)

Preceptor: Dr. David Haggerty

5-077. Veronica Velez (NIAAA)

Microglial GPR110 Modulates Inflammation-Associated Behavioral Outcomes

St. Mary's College of Maryland (Maryland)

Dr. David Lovinger, Dr. Mariam Melkumyan

5-078. Yunqi (Audrey) Wang (NIAAA)

Endocannabinoid System Remodeling During Macrophage Polarization in Murine Alveolar Macrophages

The Pennsylvania State University (Pennsylvania)

Dr. Resat Cinar, Dr. Abhishek Basu

National Institute of Allergy and Infectious Diseases (NIAID)

5-079. Elizabeth Bazinet (NIAID)

Mixing Matters: Optimizing Agitation for Scalable Antibody Production

University of Pittsburgh (Pennsylvania)

Dr. Ted Pierson, Dr. Vrushali Kolhe

5-080. Muhammad Benjelloun (NIAID)

Antigen-Specific Polyclonal Fab Fragments for Stabilization of the gH/gL Complex for Cryo-EM

Northwest High School (Maryland)

Preceptor: Dr. David Garboczi

5-081. Lauren Bennetts (NIAID)

Establishing Reliable Tests to Assess Goblet Cell function in Rhesus Macaques

Georgetown University (District of Columbia)

Preceptors: Dr. Jason Brenchley, Dr. Alexandra O'Sick

5-082. Sydney Bingham (NIAID)

Identifying mechanistic drivers of primary HLH in adults
University of Missouri- Columbia (Missouri)
Preceptor: Dr. Joseph Rocco

5-083. Patrick Boyle (NIAID)

In Vitro Differentiation and Characterization of Eosinophils Derived from C57BL/6 Mouse Bone Marrow
University of Notre Dame (Indiana)
Dr. David Sacks, Dr. Sang Hun Lee

5-084. Ella Bui (NIAID)

Automating Sera Dilutions for High-Throughput ELISA: Tracking Mosquito Exposure via Aedes aegypti Salivary Recombinant Proteins
Indiana University Bloomington (Indiana)
Preceptor: Dr. Luiz Oliveira

5-085. Angie Chen (NIAID)

A Machine Learning Framework for Identifying Predictive Evolutionary Metrics of Escape Mutations in HIV-1 env
Emory University (Georgia)
Dr. Eli Boritz, Dr. Frida Belinky

5-086. Steven Dai (NIAID)

The Effect of Targeting Salivary Proteins on Mosquito Fitness
Cornell University (New York)
Dr. Joel Vega-Rodriguez, Dr. Renuka Elizabeth Joseph

5-087. Jordan Daniels (NIAID)

Evaluating the Impact of Direct Media Switching Versus Gradual Media Adaptation on Cell Growth Performance and Productivity of CHO Cell Clone.
Howard University (District of Columbia)
Preceptor: Dr. Theodore Pierson

5-088. Olivia Edgar (NIAID)

Characterization of Mosquito Salivary Proteins and Their Potential Roles in Blood Feeding
Georgia Institute of Technology (Georgia)
Dr. Eric Calvo, Miss Fabiola Castello Casta

5-089. Katharine Falzarano (NIAID)

Mitochondrial sequencing reveals the third case of US-acquired European haplotype Echinococcus multilocularis
Brown University (Texas)
Preceptor: Dr. Elise O'Connell

5-090. Alice Gerchanovsky (NIAID)

Assay development for absolute protein quantitation of the human macrophage Toll-like receptor pathway
University of California, Santa Cruz (California)
Dr. Aleksandra Nita-Lazar, Dr. Vanya Bhushan

5-091. Evelyn Goldin (NIAID)

Development of Recombinase Polymerase Amplification assay to detect Trichuris trichiura in stool
Stanford University (California)
Dr. Thomas Nutman, Dr. Robertine Lontuo Fogang

5-092. Shreyas Gupta (NIAID)

Structural Basis of Antigen Recognition by an anti-DNA Autoantibody
Georgia Institute of Technology (Georgia)
Preceptor: Dr. David Margulies

5-093. Ayat Hasan (NIAID)

Development of an oligo-barcoded antibody staining method for highly multiplexed 3D spatial proteomic and transcriptomic tissue analysis
Johns Hopkins University (Maryland)
Dr. Ronald Germain, Dr. Jyh Liang Hor

5-094. Sayed Hassan (NIAID)

Immunogenicity of Ad4-HIV Envelope Vaccine Vectors in Healthy Volunteers
Colgate University (New York)
Dr. Mark Connors, Dr. Tae Kim

5-095. Lily Hong (NIAID)

Designing and Evaluating IL-10 Minibinders to Block IL-10/IL-10R Interactions
Brown University (Rhode Island)
Preceptors: Dr. Tongqing Zhou, Dr. Baoshan Zhang

5-096. Carolyn Jia (NIAID)

Characterizing systemic immune responses in asthma using bulk RNA sequencing
Purdue University (Indiana)
Preceptor: Dr. Rasika Mathias

5-097. Melisa Kalayoglu (NIAID)

Neutralizing Echovirus 11 Antibodies Elicited by Infection or Vaccination
University of Maryland (Maryland)
Preceptors: Dr. Tracy Ruckwardt, Dr. Daniel Moss

5-098. Pamela Kim (NIAID)

Genome Editing in Helminth Parasite Trichuris trichiura using CRISPR Cas-9 Mediated Knockout
Yale University (Connecticut)
Dr. Thomas Nutman, Dr. Harris (Richard) Droghini

5-099. Jane Kungie (NIAID)

Engineering lacZ Reporters to Characterize Borrelia burgdorferi Proteins
University of Massachusetts Amherst (Massachusetts)
Preceptor: Dr. Philip Adams

5-100. Ying Heng Lai (NIAID)

Secretomics Analysis of the Effect of Lipopolysaccharide on Toll-Like Receptors
University of California San Diego (California)
Preceptors: Dr. Aleksandra Nita-Lazar, Dr. Sung Hwan Yoon

5-101. Afanwi Neba (NIAID)

Pathogenic Modulation of Salmonella Typhimurium on Macrophages
University of Maryland College Park (Maryland)
Preceptors: Dr. Sandhini Saha, Dr. Aleksandra Nita-Lazar

5-102. Anna Nocella (NIAID)

Establishing a PheWAS Workflow in a Cohort Enriched for Immune and Hematological Disorders

George Mason University (Virginia)

Preceptors: Dr. Rajarshi Ghosh, Dr. Jia Yan

5-103. Erick Ojeda (NIAID)

Longitudinal profiling of circulating pro-inflammatory cytokines during dengue infection

The Johns Hopkins University (Maryland)

Preceptors: Dr. Luiz Fabiano Oliveira, Dr. Laura Willen

5-104. Ben Ren (NIAID)

Aichivirus: Investigation of its Role in NIH Patients

University of Maryland, College Park (Maryland)

Preceptor: Dr. Kim Green

5-105. Ifrah Reyal (NIAID)

AI guided HIV Env Trimer Improvement

University of Maryland, College Park (Maryland)

Preceptors: Dr. Tongqing Zhou, Dr. Reda Rawi

5-106. Jacob Rosenbloom (NIAID)

Conditional Immortalization of Human Keratinocytes by Rho Kinase Inhibition Dampens Innate Immunity

Towson University (Maryland)

Preceptor: Dr. Alison McBride

5-107. Rebecca Rubin (NIAID)

Evaluating the Generalizability of Masking and

Functionalizing the Apex Epitope on Influenza

Hemagglutinin Stem Nanoparticles

George Mason University (Virginia)

Preceptors: Dr. Masaru Kanekiyo, Dr. Matthew Vukovich

5-108. Shalini Sack (NIAID)

Optimizing Spectral Flow Cytometry for the Detection of Early Precursor Populations in Bone Marrow from Lupus-Prone Mice

University of Maryland (Maryland)

Preceptor: Dr. Silvia Bolland

5-109. Collin Sharp (NIAID)

Glutamine Transporter ASCT2 as a Metabolic Regulator of HIV-1 Latency and mTORC1 Signaling

Pennsylvania State University (Pennsylvania)

Preceptors: Dr. Klaus Strebel, Dr. Luciana Morellatto Ruggieri

5-110. Keston Sun (NIAID)

Studying Transcription Factors Regulating IL-13 Expression in Th2 Cells

University of Connecticut (Connecticut)

Preceptors: Dr. Jinfang (Jeff) Zhu, Dr. Danping Wei

5-111. Amoolya Tadepalli (NIAID)

Life, Death, or Dormancy: How Do Current Antimalarials Eliminate Malaria Parasites?

University of Texas at Austin (Texas)

Preceptors: Dr. Thomas Wellems, Dr. Juliana Sa

5-112. Hannah Tang (NIAID)

Evaluating the Impact of the Anti-malarial Monoclonal Antibody L9LS on the Immunogenicity of Routine Childhood Vaccines in Mali

Brown University (Rhode Island)

Dr. Bickey Chang, Dr. Peter Crompton

5-113. Jay Vardhan (NIAID)

Leveraging Oral Immunotherapy Clinical Trials for Food Allergy

Thomas S. Wootton High School (Maryland)

Preceptor: Dr. Rasika Mathias

5-114. Snehi Vijaywargiya (NIAID)

The Effect of WPRE on Protein Production in CHO-DG44 Cells

University of Maryland-College Park (Maryland)

Preceptors: Dr. Theodore Pierson, Dr. Elizabeth Scheideman

5-115. Amy Xu (NIAID)

CUDA-Accelerated Stochastic Simulations of Receptor Diffusion on Grid-Free Models of Cell Morphologies

Cornell University (New York)

Preceptors: Dr. Martin Meier-Schellersheim, Dr. Thorsten Prüstel

5-116. Jennifer Zhang (NIAID)

Improving Cross-Neutralizing Antibodies Targeting

Respiratory Syncytial Virus and Human Metapneumovirus

Winston Churchill High School (Maryland)

Preceptor: Dr. Li Ou

5-117. Perry Zhou (NIAID)

Effects of Agitation and Aeration on CHO Cell Growth and Product Titer

Johns Hopkins University (Maryland)

Preceptor: Dr. Ted Pierson

5-118. Ethan Zhu (NIAID)

Biology in silico: LLM workflow translating cellular signaling diagrams to quantitative models

University of Maryland, College Park (Maryland)

Preceptors: Dr. Martin Meier-Schellersheim, Dr. Fengkai Zhang

5-119. Haylee Zinger (NIAID)

*Assessing the Structural Stability of the Oligopeptide-Binding Protein of Lyme Disease Pathogen, *Borrelia burgdorferi**

Loyola University Maryland (Maryland)

Dr. David Garboczi, Mr. Daniel Bloor