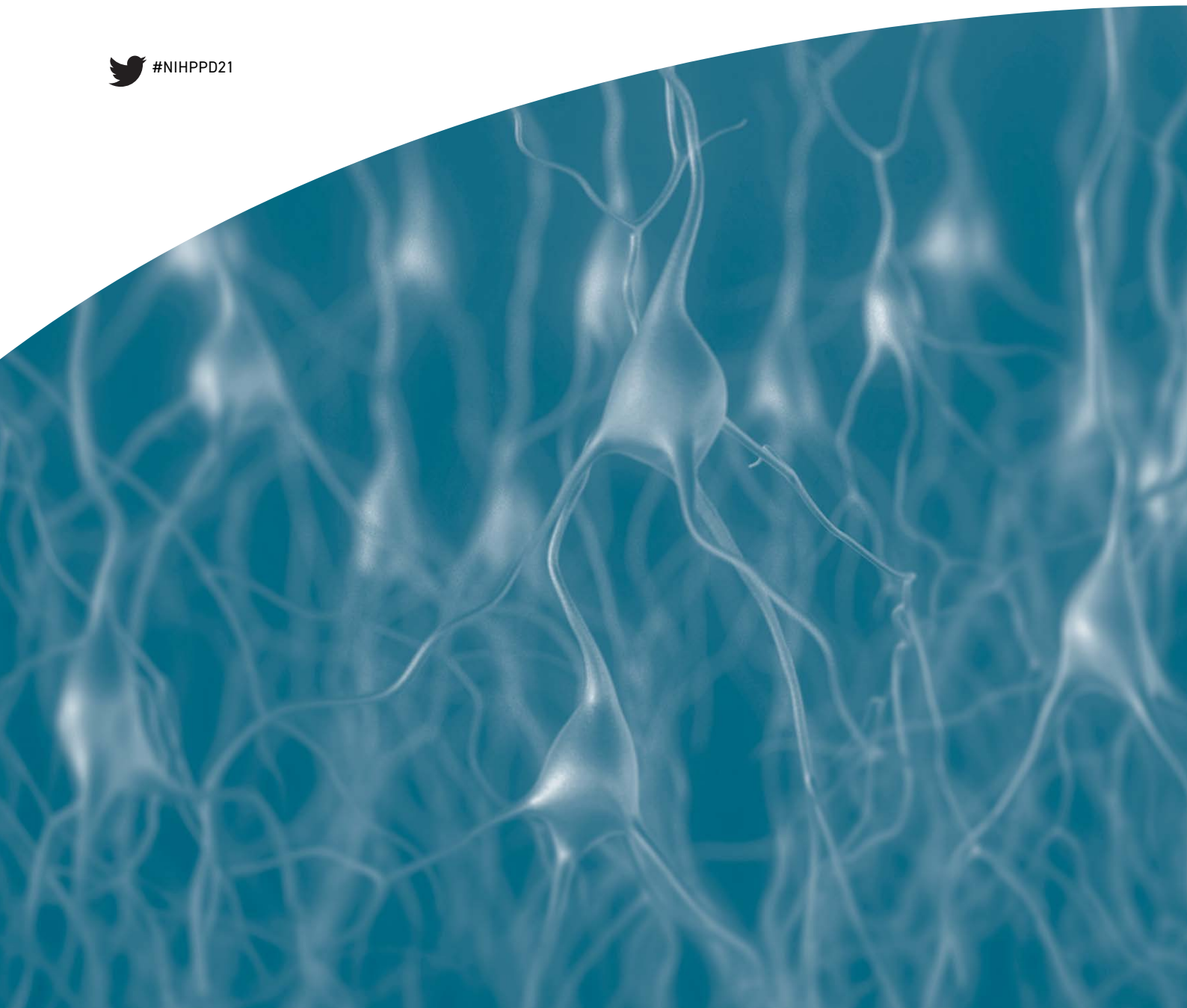

NIH VIRTUAL POSTBAC POSTER DAY

APRIL 27-29, 2021



NIH VIRTUAL POSTBACCALAUREATE POSTER DAY: APRIL 27-29, 2021

4/27	TUESDAY SESSION	POSTERS: 1-315
4/28	WEDNESDAY SESSION	POSTERS: 316-627
4/29	THURSDAY SESSION	POSTERS: 628-950

DATE	INSTITUTE OR CENTER	POSTER NUMBERS
4/27	NCI - National Cancer Institute	1 - 137
4/27	NCI-DCEG - National Cancer Institute - Division of Cancer Epidemiology and Genetics	138 - 150
4/27	NHGRI - National Human Genome Research Institute	151 - 189
4/27	NIDDK - National Institute of Diabetes and Digestive and Kidney Diseases	190 - 242
4/27	NIMHD - National Institute on Minority Health and Health Disparities	243 - 252
4/27	NINDS - National Institute of Neurological Disorders and Stroke	253 - 305
4/27	NINR - National Institute of Nursing Research	306 - 315
4/28	CC - Clinical Center	316 - 346
4/28	NCCIH - National Center for Complementary and Integrative Health	347 - 359
4/28	NIAAA - National Institute on Alcohol Abuse and Alcoholism	360 - 396
4/28	NICHHD - Eunice Kennedy Shriver National Institute of Child Health and Human Development	397 - 461
4/28	NIDA - National Institute on Drug Abuse	462 - 512
4/28	NIDCD - National Institute on Deafness and Other Communication Disorders	513 - 521
4/28	NIMH - National Institute of Mental Health	522 - 627
4/29	NCATS - National Center for Advancing Translational Sciences	628 - 646
4/29	NEI - National Eye Institute	647 - 658
4/29	NHLBI - National Heart, Lung, and Blood Institute	659 - 694
4/29	NIA - National Institute on Aging	695 - 758
4/29	NIAID - National Institute of Allergy and Infectious Diseases	759 - 869
4/29	NIAMS - National Institute of Arthritis and Musculoskeletal and Skin Diseases	870 - 890
4/29	NIBIB - National Institute of Biomedical Imaging and Bioengineering	891 - 896
4/29	NIDCR - National Institute of Dental and Craniofacial Research	897 - 916
4/29	NIEHS - National Institute of Environmental Health Sciences	917 - 948
4/29	NLM - National Library of Medicine	949 - 950

NOTE: The COMPLETE program for Postbac Poster Day 2021 can be found at https://www.training.nih.gov/assets/2021_Postbac_Poster_Day_Program_.pdf.

POSTER SESSION INFORMATION

Virtual Postbac Poster Day 2021 is organized into 128 poster sessions, each with 5 to 8 presenters and 3 to 4 judges. The sessions will be shared via WebEx.

The table below will allow you to determine on what day and in which session the posters that interest you will be presented. The sessions will take place over 3 days (April 27th through April 29th) and are organized into 4 timeslots: 9:00 – 10:30 am, 11:00 am – 12:30 pm, 1:00 – 2:30 pm, and 3:00 – 4:30 pm.

The entries in the table are in the form "**Poster Session #**: Poster numbers". Thus **1**: 1-8 is the first session, and it includes posters 1 through 8, and **128**: 941-948 is the last session.

For security reasons, we will share online session links with presenters and preceptors via email. To attend a particular poster or session, find the WebEx event name for the session, which will be in the form "Postbac Poster Day - Poster Session #". Then use the associated link to access the session of interest.

All sessions will be in the Eastern Timezone.

TUESDAY, APRIL 27, 2021

IC	9:00 AM - 10:30 AM	11:00 AM - 12:30 PM	1:00 PM - 2:30 PM	3:00 PM- 4:30 PM
NCI	1 : 1-8	6 : 41-48	11 : 81-88	15 : 110-116
	2 : 9-16	7 : 49-56	12 : 89-95	16 : 117-123
	3 : 17-24	8 : 57-64	13 : 96-102	17 : 124-130
	4 : 25-32	9 : 65-72	14 : 103-109	18 : 131-137
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NCI-DCEG			19 : 138-144	20 : 145-150
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NIAMS		118: 870-876	119: 877-883	120: 884-890
NIBIB*	121: 891-896			
NIDCR		122: 897-903	123: 904-910	124: 911-916
NIEHS	125: 917-924	126: 925-932	127: 933-940	128: 941-948
NLM*	121: 949-950			

*NIBIB and NLM share Session 121.

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#98. Abbigale Perkins

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Howard University (District of Columbia)

Preceptors: Dr. Nadim Majdalani, Dr. Susan Gottesman

#99. Mary Piaskowski

Differential Replication of BK Polyomavirus Strains in Normal and Malignant Urothelium

Marshall University (West Virginia)

Preceptor: Dr. Gabriel Piaskowski

#100. Jacey Pridgen

Understanding Immunological Evolution of Human Antibodies to the Tumor Ganglioside GD2

University of Texas at Austin (Texas)

Preceptor: Dr. Jeffery Gildersleeve

#101. Gabrielle Puller

Substrate Binding by DnaJ, a Cochaperone of the E. coli Hsp70 homolog, DnaK

Virginia Polytechnic Institute and State University (Virginia)

Preceptors: Dr. Sue Wickner, Mr. Joel Hoskins

#102. Arati Rajeevan

Exploring the Developmental Origins of Cancer

Carnegie Mellon University (Pennsylvania)

Preceptor: Dr. Sridhar Hannenhalli

#103. Anjana Ram

Structural Analysis of DDX3X and Its implications in Drug Development

University of Texas at Austin (Texas)

Preceptor: Dr. Xinhua Ji

#104. Meredith Ramba

Increased Regulatory T Cells in Mouse Model of Autoimmunity Are Tied to Increased TNF-Alpha

Minerva Schools at KGI (California)

Preceptor: Dr. Howard Young

#105. Alice Ranjan

Targeting CDK9 as a Treatment for Glioblastoma

University of Washington (Washington)

Preceptor: Dr. Jing Wu

#106. Kayla Roche

Relationships between Mood Disturbance, Self-Reported Function, and Disease Progression in Glioma Patients

Harvard University (Massachusetts)

Preceptors: Dr. Terri Armstrong, Dr. Amanda King

#107. James Rogers

Measuring Mobility in Neuro-oncology Patients: A Descriptive Feasibility Report

Tulane University (Louisiana)

Preceptor: Dr. Terri Armstrong

#108. Mirelle Rojano

The Lineage Fate Decision of Autoreactive Thymocytes in the Thymus

University of Texas at San Antonio (Texas)

Preceptors: Dr. Alfred Singer, Dr. Xuguang Tai

#109. Nicole Rossi

Characterization of Human Papillomavirus (HPV) Sequence and Integration and Analysis of Immune Response Genes for Application in Guatemalan Cervical Cancer

University of Delaware (Delaware)

Preceptor: Dr. Michael Dean

#110. Andrew Saiz

CRISPR Screening for Functional MicroRNA Binding Sites in Cancer

University of San Diego (California)

Preceptors: Dr. Joana Vidigal, Dr. Pedro Batista

#111. Nahid A. Savan

Data Mining for Cancer-associated Extracellular Vesicle Cargos

Michigan State University (Michigan)

Preceptors: Dr. Beverly Mock, Dr. Snehal Gaikwad

#112. Kayla Schwartz

RNA Polymerase I Inhibitor CX-5461 Enhances Tumor Cell Radiosensitivity

George Washington University (District of Columbia)

Preceptor: Dr. Philip Tofilon

#113. Mira Sethi

Induction of Antimicrobial Production in Pseudomonas aeruginosa in Response to Staphylococcus aureus
Loyola University Chicago (Illinois)

Preceptors: Dr. Anupama Khare, Dr. Tiffany Zarrella

#114. Rachel Sklutuis

Investigation of Hiv-1 Antisense Transcript Expression in vivo
Hood College (Maryland)

Preceptor: Dr. Mary Kearney

#115. Grace Smith

A Pilot Study of in-situ Cytokine Expression in Ten IBD Patients: Implications towards Clinical Management
University of Maine (Maine)

Preceptors: Dr. Stefania Pittaluga, Dr. Ivan Fuss

#116. Madeline Spetz

CAR T Cells Targeting GPC2 as a Treatment for Neuroblastoma
University of South Carolina (South Carolina)

Preceptors: Dr. Mitchell Ho, Dr. Nan Li

#117. Marie Spezia

Investigating the Mechanistic Roles of Oxysterol Compounds in Cancer Development Signaling Pathways
Brown University (Rhode Island)

Preceptors: Dr. Liu-Ya Tang, Dr. Ying Zhang

#118. Thea Spindel

Fluorescent Diamond-stabilized Interferon-Gamma: A Potential Vaccine Adjuvant
Lewis & Clark College (Oregon)

Preceptor: Dr. Howard Young

#119. Ryan Stanton

RNA Editors for Functional microRNA Target Mapping
Swarthmore College (Pennsylvania)

Preceptors: Dr. Shuo Gu, Dr. Acong Yang

#120. Brian Stevens

Establishing Regeneration Competence during Schmidtea mediterranea Embryogenesis
Keene State College (New Hampshire)

Preceptor: Dr. Erin Davies

#121. Clover Stubbert

Effects of Irradiation on Developing Planarian Embryos
California State University, Monterey Bay (California)

Preceptor: Dr. Erin Davies

#122. Amanda Sugrue

Targeting NAD Metabolism and DNA Repair in Kidney Cancer

Heidelberg University (Ohio)

Preceptors: Dr. Ramaprasad Srinivasan, Dr. Sameer Issaq

#123. Ian Sutton

Upregulation of Canonical WNT Signaling Is Associated with Glioblastoma Stem Cell Maintenance in an in vivo Radioresistant Niche

University of Wisconsin - Madison (Wisconsin)

Preceptor: Dr. Philip Tofilon

#124. Kevin Tang

Combination Chemotherapy Creates Cancer Treatment Opportunity through Senescence Induction

Hunter College (New York)

Preceptor: Dr. Steven Cappell

#125. Michael Timmer

Evaluation of Financial Toxicity (FT) in People with Rare Central Nervous System (CNS) Tumors Using an Innovative Web-based Study Design

St. Mary's College of Maryland (Maryland)

Preceptors: Dr. Terri Armstrong, Dr. Marta Penas-Prado

#126. Jessica Tiner

Awareness and Use of Genetic Testing: An Analysis of the Health Information Trends Survey 2020

University of Pittsburgh Graduate School of Public Health (Pennsylvania)

Preceptors: Dr. Leah Mechanic, Dr. Lisa Gallicchio

#127. Mikala Willett

The Role of Apoptosis in B Cell Development

Lee University (Tennessee)

Preceptor: Dr. Christian Mayer

#128. Elena Wilson

Actin and the WASP: Marveling at WASP-mediated Actin Regulation in Stepwise T-Cell Microcluster Assembly

University of Illinois at Urbana-Champaign (Illinois)

Preceptors: Dr. Lakshmi Balagopalan, Dr. Lawrence Samelson

#129. Claudia Wong

CRISPR-Cas9 Knockout and RNAi Studies Implicate the ZBTB17 Gene in Immunotoxin-mediated Cell Death

University of Michigan (Michigan)

Preceptor: Dr. Ira Pastan

#130. Emily Wu

Developing Preclinical Mouse Models of Melanoma CNS Metastasis to Identify and Improve Efficacious Immunotherapies

American University (District of Columbia)

Preceptors: Dr. Eva Perez Guijarro, Dr. Glenn Merlino

#131. Yalan Wu

HUWE1 Regulates WNT Signaling through a Novel Mechanism That Requires Its Ubiquitin Ligase Activity

Boston University (Massachusetts)

Preceptor: Dr. Andres Lebensohn

#132. Kun Xing

Enhancing CHyMERa Cas9-Cas12a Combinatorial Screening Platform for Gene Fragment Deletions
University of Pennsylvania (Pennsylvania)

Preceptors: Dr. Thomas Gonatopoulos-Pournatzis, Dr. Michael Aregger

#133. Max Xu

CD40 Intracellular Domains Modulate B Cell Activation and EAE Development
Duke University (North Carolina)

Preceptors: Dr. Richard Hodes, Dr. Ying Lu

#134. Maryam Yamadi

Commensal Microbiota Promote Accumulation of Pre-malignant Germinal Center B-cells in the Absence of the Lymphoma Suppressor Ga13

American University (District of Columbia)

Preceptor: Dr. Jagan Muppidi

#135. Catherine Yu

An Evaluation of the National Institutes of Health Grants Portfolio: Identifying Opportunities and Challenges for Multi-omics Research that Leverage Metabolomics Data

Duke University (North Carolina)

Preceptor: Dr. Krista Zanetti

#136. Allison Zeher

Structural Characterization of Mitochondrial Succinate-Cytochrome C Reductase (SCR) Using Cryo-EM
Virginia Polytechnic Institute and State University (Virginia)

Preceptors: Dr. Rick Huang, Dr. Di Xia

#137. Mary-Elizabeth Zipparo

Analysis of HIV DNA in Infected Individuals: Molecular Evolution of HIV LTR and Gag
Allegheny College (Pennsylvania)

Preceptors: Dr. Thuy Nguyen, Dr. Frank Maldarelli

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

#138. Ehssan Abdolalizadeh

Identification of Functional Variants and Genes on the PDAC Chr1p36.33 Risk Locus
University of Maryland, College Park (Maryland)

Preceptors: Dr. Katelyn Connelly, Dr. Laufey Amundadottir

#139. Francine Baker

Patterns of EBV Specific Antibodies in Carriers of IFNL4-ΔGF
University of the District of Columbia (District of Columbia)

Preceptors: Dr. Ludmila Prokunina-Olsson, Dr. Sam Mbulaiteye

#140. Erin Char

Enrichment of Pancreatic Cancer Risk Variants from GWAS in Cell Type Specific Open Chromatin Regions

University of Colorado at Boulder (Colorado)

Preceptor: Dr. Jason Hoskins

#141. Julia Elrod

An R Package for Kernel Filtration of Rates on a Lexis Diagram

Kenyon College (Ohio)

Preceptor: Dr. Philip Rosenberg

#142. Karen Funderburk

Computational Analysis of Massively Parallel Reporter Assays to Identify Melanoma Susceptibility Variants

Arizona State University (Arizona)

Preceptors: Dr. Jiyeon Choi, Dr. Kevin Brown

#143. Alyxandra Golden

Oligonucleotide Library Design for Massively Parallel Reporter Assays of Lung Cancer Risk-associated Variants

University of Colorado Boulder (Colorado)

Preceptor: Dr. Jiyeon Choi

#144. Nicole Gonzalez

Diesel Engine Exhaust Is Associated with TP53 Mutations and High-risk Non-muscle Invasive Bladder Cancer

George Washington University (District of Columbia)

Preceptor: Dr. Stella Koutros

#145. Cherrel Manley

Drinking Water Sources and Water Quality in the Agricultural Health Study

University of North Carolina at Chapel Hill (North Carolina)

Preceptor: Dr. Mary Ward

#146. Tanvi Mehta

Using Group Testing in a Two-phase Epidemiologic Design to Identify the Effects of High-dimensional Antibody Reactions on Disease Risk

Carleton College (Minnesota)

Preceptor: Dr. Paul Albert

#147. Mone't Thompson

Prevalence of PARN Germline Variants in Telomere Biology Disorders and the General Population

Bowie State University (Maryland)

Preceptor: Dr. Sharon Savage

#148. Jeanny Wang

Associations of Inflammatory Bowel Disease and Subsequent Cancers in the United States Elderly Population

Uniformed Services University (Maryland)

Preceptors: Dr. Minkyong Song, Dr. Eric Engels

#149. Emily Wu

Absolute and Relative Risk Estimation in the Presence of Competing Risks and Observational Gaps

University of Richmond (Virginia)

Preceptors: Dr. Danping Liu, Dr. Li Cheung

#150. Elizabeth Zhang

Impact of HIV on Trends in Anal Cancer Incidence Rates in the US, 2001-2015

London School of Hygiene and Tropical Medicine (Non-U.S.)

Preceptor: Dr. Meredith Shiels

National Human Genome Research Institute (NHGRI)

#151. Kiana Amini

Mistrust and Vaccine Research Participation in the COVID-19 Pandemic

University of Chicago (Illinois)

Preceptors: Mr. Vence Bonham, Ms. Khadijah Abdallah

#152. Albert Barrera

CT-derived Myocardial Deformation in the GENE-FORECAST Cohort

Johns Hopkins Bloomberg School of Public Health (Maryland)

Preceptors: Dr. Jose Vargas, Dr. Gary Gibbons

#153. Sam Blizzard

Trajectories of Mental Health during the COVID-19 Pandemic.

University of Cincinnati (Ohio)

Preceptor: Dr. Philip Shaw

#154. Stanley Clarke

Whole Genome Sequencing to Identify Structural Variants in Diamond Blackfan Anemia Patients

Colby College (Maine)

Preceptor: Dr. David Bodine

#155. Emily Daykin

Automated Image Recognition as a Potential Novel Method to Help Discriminate between the Gaucher Disease Types

University of Wisconsin - Madison (Wisconsin)

Preceptor: Dr. Ellen Sidransky

#156. Alexander Dolwick

Predicting Cognitive States from Nonverbal Behaviors in Virtual Reality

Washington and Lee University (Virginia)

Preceptor: Dr. Susan Persky

#157. K. Jameson Floyd

Resilience in the Sickle Disease Population during the COVID-19 Pandemic

Morehouse College (Georgia)

Preceptors: Mr. Vence Bonham, Mrs. Ashley Buscetta

#158. Graeme Frost

A Progressive Neurological Disorder in Patients With SNAPC4 Variants

St. Mary's College of Maryland (Maryland)
Preceptors: Dr. May Christine Malicdan, Dr. Marie Morimoto

#159. Eric Joshua Garcia
Whole Transcriptome and Whole Exome Sequencing Analyses in Three Gaucher Sibling Pairs Discordant for Parkinson's Disease
University of Maryland, Baltimore County (Maryland)
Preceptors: Dr. Nahid Tayebi, Dr. Ellen Sidransky

#160. Karolyn Garcia
Analysis of Juvenile GM1 Gangliosidosis Mouse Model Using Volumetric Quantitative Ex-Vivo MRI
St. Mary's College of Maryland (Maryland)
Preceptors: Dr. Cynthia Tifft, Dr. Raluca Nicoli

#161. Shani Gelles
Biomarkers of the HPA Axis: Psychosocial Factors That Moderate the Physiological Stress Response in Caregivers of Children with Rare Genetic Conditions
University of Maryland, College Park (Maryland)
Preceptor: Dr. Laura Koehly

#162. Rylee Genner
mtDNA Depletion Impairs T-cell Trafficking in a Mouse Model of TFAM Deficiency
Georgetown University (District of Columbia)
Preceptors: Dr. Senta Kapnick, Dr. Peter McGuire

#163. Sunny Greene
Characterization of a Novel Murine Model of Chédiak-Higashi Syndrome
Hollins University (Virginia)
Preceptor: Dr. May Christine Malicdan

#164. Andrew Kim
Loss of Pseudouridine Synthase 7 Activity Leads to Neurodevelopmental Delays in Siblings Associated with Aberrant Protein Translation
Virginia Commonwealth University (Virginia)
Preceptor: Dr. Ted Han

#165. Stefanos Koutsoukos
Neonatal AAV Gene Therapy in a Viable Mouse Model of Combined Methylmalonic Acidemia and Homocystinuria, cblC Type, Is Comparable to Chronic Hydroxocobalamin Administration
University of Maryland, College Park (Maryland)
Preceptors: Dr. Charles Venditti, Dr. Jennifer Sloan

#166. Ryan Laird
Leveraging Unstructured EHR Data to Explore Clinical Patterns of Autoinflammation
Messiah University (Pennsylvania)
Preceptors: Dr. Daniel Kastner, Dr. Amanda Ombrello

#167. Jessica Lewis

The Association between Racial and Economic Residential Segregation and COVID-19 Vaccination Distribution in Washington DC

Swarthmore College (Pennsylvania)

Preceptors: Dr. Sharon Davis, Dr. Kristen Brown

#168. India Little

Evaluating Genetic Literacy with a focus on Autism Spectrum Disorder

Davidson College (North Carolina)

Preceptor: Dr. Chris Gunter

#169. Luis Lopez

Predicting the Positive: Using Machine-learning Models to Understand Resiliency during the COVID-19 Pandemic

Westminster College (Utah)

Preceptors: Dr. Laura Koehly, Mr. Salvatore Giorgi

#170. Linnea Lundh

A Custom Capture Sequencing Approach to Uncover Missing Heritability for Albinism

St. Mary's College of Maryland (Maryland)

Preceptor: Dr. David Adams

#171. Samantha McCoy

A Non-invasive Bedside Breath Test (BreathID®) for Real Time Monitoring of Liver-targeted Gene Therapy in Methylmalonic and Propionic Acidemias

Michigan State University (Michigan)

Preceptor: Dr. Charles Venditti

#172. Emily Modlin

Communications Among Recipients of Genomic Secondary Findings

Davidson College (North Carolina)

Preceptor: Mrs. Katie Lewis

#173. Ayomide Ojebuoboh

The Association of Coping Mechanisms to Unfair Treatment and Self-reported Depressive Symptoms in African Americans

Boston University (Massachusetts)

Preceptor: Dr. Sharon Davis

#174. Daniela Ospina Cardona

Further Patient Characterization of VEXAS Syndrome

University of Maryland, Baltimore County (Maryland)

Preceptor: Dr. David Beck

#175. Babajide Owosela

Creating a Sickle Cell Leg Ulcer Classification System

Howard University (District of Columbia)

Preceptor: Mr. Vence Bonham

#176. Isagani Perez

RNA-seq Analysis of gba Haploinsufficiency in Brain Samples from a Parkinson Mouse Model

Case Western Reserve University (Ohio)

Preceptors: Dr. Nahid Tayebi, Dr. Ellen Sidransky

#177. Madeline Piper

Therapeutic Alliance in Healthcare: A Systematic Review Framework

West Virginia University (West Virginia)

Preceptor: Dr. Lori Erby

#178. Caroline Rothermel

Speech and Swallowing Phenotypic Expression in Type II GM1 Gangliosidosis

University of Virginia (Virginia)

Preceptors: Ms. Precilla D'Souza, Ms. Beth Solomon, Dr. Cynthia Tift

#179. Richard Sam

Rapid Purification of Lysosomes and Mitochondria from iPSC-derived Dopaminergic Neurons from Control and GBA1-associated Parkinson's Patients

University of Illinois at Urbana-Champaign (Illinois)

Preceptors: Dr. Yu Chen, Dr. Ellen Sidransky

#180. Maxwell Sandler

Endosome-Lysosomal Fusion Events Are Not Positively Regulated in an iPSC-derived LYST-deficient Neuronal Model

Tulane University (District of Columbia)

Preceptors: Dr. Jenny Serra-Vinardell Serra-Vinardell, Dr. May Christine Malicdan

#181. Emma Schopp

Characterizing Nutrigenomics Discourse on Twitter

University of California, Los Angeles (California)

Preceptor: Dr. Susan Persky

#182. Tracy Swan

Psychosocial Moderators of Stress-Health Relationships in Parents Caring for Children with Rare and Undiagnosed Diseases

Northwestern University (Illinois)

Preceptors: Dr. Melissa Zajdel, Dr. Laura Koehly

#183. Sydney Telaak

Influence of Physician Weight on Patient Attitudes and Receptivity to Genetic Information about Common Health Conditions

Kenyon College (Ohio)

Preceptors: Dr. Susan Persky, Dr. Lauren Howe

#184. Lauren Testa

In Vitro Lentiviral Gene Therapy for Hermansky-Pudlak Syndrome Type 1

University of Rochester (New York)

Preceptor: Dr. May Malicdan

#185. Michal Tyrlik

Gene Editing for Rare Disorders

University of Maryland, College Park (Maryland)

Preceptors: Dr. May Malicdan, Dr. William Gahl

#186. Rachel Weinstein

Knockout of zrsr2 Leads to Impaired Intron Splicing and Transcriptional Changes in Zebrafish

University of Miami (Florida)

Preceptor: Dr. Raman Sood

#187. Elizabeth Geena Woo

Exploration of the Role of Whole Exome Sequencing Variants in GBA1-associated Parkinson's Disease

Brown University (Rhode Island)

Preceptors: Dr. Nahid Tayebi, Dr. Ellen Sidransky

#188. Faeben Wossenseged

AVATAR Study: Comparison of Clinical Decision Making among Healthcare Professionals in Training

University of California, Santa Barbara (California)

Preceptors: Mr. Vence Bonham, Mrs. Ashley Buscetta

#189. Mosufa Zainab

The Road to Therapy for Late-onset Tay-Sachs and Sandhoff Disease

George Mason University (Virginia)

Preceptors: Dr. Cynthia Tifft, Dr. Elena-Raluca Nicoli

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

#190. Ethan Baratz

Vitamin E Induces Liver Iron Deficiency through Enhanced Iron Export and Reduced Iron Import Mechanisms

Vassar College (New York)

Preceptor: Dr. Caroline Philpott

#191. Megan Blawas

A Combination of Surgical, Genetic, and Hypertensive Factors Can Establish a Mouse Model of CKD in 3-week-old Mice

University of North Carolina at Chapel Hill (North Carolina)

Preceptors: Dr. Peter Yuen, Dr. Robert Star

#192. Brianna Brite

Lipoprotein Particle Distribution Duggests Increased Cardiovascular Risk in Lipodystrophy Patients Compared with Insulin Receptoropathy

University of California, Los Angeles (California)

Preceptor: Dr. Rebecca Brown

#193. Abraham Correa-Medina

A Unique Sigma 70 Variant of an Adherent Invasive Escherichia coli, LF82, a Pathobiont Associated with Crohn's Disease, Contributes to Beta-Lactam Antibiotic Resistance

American University (District of Columbia)

Preceptor: Dr. Deborah Hinton

#194. Mesgana Dagnachew

Examining the Role of Nutrient Sensing O-GlcNAc in C. elegans Male Tail Development

Sewanee: The University of the South (Tennessee)

Preceptors: Dr. John Hanover, Dan Konzman

#195. Katherine Degner

Potential Associations between Expression Patterns of the G Protein beta 5/R7-RGS Complex in Distinct Hippocampal Cell Populations and the Neuropathogenesis of Alzheimer's Disease

Washington and Lee University (Virginia)

Preceptors: Dr. Jian-Hua Zhang, Dr. William Simonds

#196. Rawan Elaksher

Regulation of B. pertussis Gene Expression by sRNA

New Mexico State University (New Mexico)

Preceptor: Dr. Deborah Hinton

#197. Hubert Fan

Predictive Ability of Lipoprotein Insulin Resistance (LPIR) Index in South Asians: A Comparison of Surrogate Indices of Insulin Sensitivity/Resistance

Wake Forest University (North Carolina)

Preceptor: Dr. Ranganath Muniyappa

#198. Iris Feng

DDX20 Is Required for Early Embryonic Development

University of California, Los Angeles (California)

Preceptors: Dr. Qiliang Xin, Dr. Jurrien Dean

#199. Isabelle Gallagher

Reducing Categorical Claims: No Group Differences in Regional Brain Activity to Visual Food Cues in Individuals with and without Obesity

University of Wisconsin - Madison (Wisconsin)

Preceptors: Dr. Kevin Hall, Dr. Valerie Darcey

#200. Jillian Gomez

fs(1)K741 Is a Female Sterile Allele of the Gene Sxl and Disrupts Sxl Splicing

University of Tampa (Florida)

Preceptors: Dr. Brian Oliver, Mr. Leif Benner

#201. Varun Gopinath

Structure Activity Relationship of 3-Nitro-2-(trifluoromethyl)-2H-chromene Derivatives as P2Y6 Receptor Antagonists

Oregon State University (Oregon)

Preceptor: Dr. Kenneth Jacobson

#202. Colleen Hadley

Identification of Distinct BRS3 Neuronal Subpopulations in the Preoptic Area of the Hypothalamus

University of Michigan (Michigan)
Preceptors: Dr. Marc Reitman, Dr. Ramón Piñol

#203. Sharika Hasan
Serum Neutralizing Activity Declines Rapidly, but Memory B Cells Persist for Decades after Cure of Chronic Hepatitis C Virus Infection
Vassar College (New York)
Preceptors: Dr. Akira Nishio, Dr. Barbara Rehermann

#204. Lila Hoachlander-Hobby
CRISPR Screen Reveals Genes That Specify the Sphingosine-1-Phosphate (S1P) Cellular Itinerary
University of Massachusetts Amherst (Massachusetts)
Preceptors: Dr. Richard Proia, Dr. Mari Kono

#205. Nikita Israni
Are Women Less Cold-tolerant Than Men?
Columbia University in the City of New York (New York)
Preceptor: Dr. Kong Chen

#206. Marshal Jahnke
Identification of a Candidate Tissue-specific Repressor Involved in Gs-alpha Imprinting
University of Wisconsin - Madison (Wisconsin)
Preceptors: Dr. Min Chen, Dr. Lee Weinstein

#207. Alex Jiang
Chronic Stimulation of Human White and Brown Adipose Tissues via Beta-3-adrenergic Activation Induces the Expression of Bile Acid Synthesis Enzymes and Augments Total Plasma Bile Acid Levels
Princeton University (New Jersey)
Preceptor: Dr. Aaron Cypess

#208. Saumya Keremane
Regulation of Neuronal Development by RBMS RNA-binding Proteins and the CTCF Insulator Protein
University of California, San Diego (California)
Preceptors: Dr. Dahong Chen, Dr. Elissa Lei

#209. Kerry Larkin
Modeling Timothy Syndrome in Caenorhabditis elegans
College of the Holy Cross (Massachusetts)
Preceptor: Dr. Andy Golden

#210. Hannah Lea
Stimulation of Beta-3 Adrenergic Receptors Primes Human White and Brown Adipocytes for Increased Lipolysis and Thermogenesis
Willamette University (Oregon)
Preceptors: Dr. Cheryl Cero, Dr. Aaron Cypess

#211. Taylor Lentz
Human Brown Adipose Tissue Quantification Analysis Training for New Users
Miami University (Ohio)

Preceptor: Dr. Kong Chen

#212. Lakshmi Mahajan

Developing a Cell Model to Study HSD17B13 Function in Lipid Droplet Dynamics and NAFLD
Cornell University (New York)

Preceptors: Dr. Yaron Rotman, Dr. Lila Gonzalez Hodar

#213. Susanna Maisto

Interplay of BAF and MLL4 Promotes Cell Type-specific Enhancer Activation
College of William & Mary (Virginia)

Preceptors: Dr. Kai Ge, Dr. Ji-Eun Lee

#214. Samantha Matta

Metformin and Growth Differentiation Factor 15 (GDF-15) in Youth with Type 2 Diabetes
Arizona State University (Arizona)

Preceptor: Dr. Stephanie Chung

#215. Val Meleshkevich

Quantifying Changes to Nuclear Shape in Budding Yeast in Response to Mating Pheromone
College of William & Mary (Virginia)

Preceptor: Dr. Orna Cohen-Fix

#216. Madaleine Niznikiewicz

How a G-gamma Protein Subunit Mimic Can Cure Prions in Saccharomyces cerevisiae
University of Massachusetts Amherst (Massachusetts)

Preceptors: Dr. Herman Edskes, Dr. Reed Wickner

#217. Marinna Okawa

Long-term Effects of Metreleptin in Rabson-Mendenhall Syndrome
Harvard University (Massachusetts)

Preceptor: Dr. Rebecca Brown

#218. Justin Olivera

The Role of Angiotensin II-mediated Preeclampsia in Prenatal Kidney Development and CKD
New York University (New York), ()

Preceptors: Dr. Peter Yuen, Dr. Robert Star

#219. Megan Onyundo

The Endoplasmic Reticulum Forms a Reticular Structure around Centrosomes in C. elegans Embryos
Providence College (Rhode Island)

Preceptor: Dr. Orna Cohen-Fix

#220. Nana Osei-Tutu

Stress and African Immigrant Health: The Value of Allostatic Load Score
London School of Hygiene and Tropical Medicine (Non-U.S.)

Preceptor: Dr. Anne Sumner

#221. Grace Padgett

Differences in African-Americans and Non-Hispanic Whites in the Relationship between Uric Acid Clearance and Insulin Sensitivity

University of Wisconsin - Madison (Wisconsin)

Preceptor: Dr. Ranganath Muniyappa

#222. Sushrut Pathy

A Convergence of Developmental Signaling Pathways That Mediate Adipogenic/Myogenic Cell Fates in White Adipose Tissue Derived Progenitor Cells

University of Maryland, College Park (Maryland)

Preceptors: Dr. Sushil Rane, Dr. Young Bahn

#223. Arielle Patterson

QTc and QRS Interval Prolongation in the Prediction of Cardiometabolic Risk in Type 2 Diabetes: Insight from the Africans in America Study

Hampton University (Virginia)

Preceptors: Dr. Annemarie Wentzel, Dr. Anne Sumner

#224. Elisabeth Pearson

*Investigation of *Lad1* as a Candidate Modifier of Polycystic Kidney Disease in *Pkd1* Mouse Models*

University of Minnesota - Rochester (Minnesota)

Preceptors: Dr. Gregory Germino, Dr. Luis Menezes

#225. Anne Pierce

The Improvement in Hepatic Steatosis after Cushing's Syndrome Treatment Is an Early Sign of Metabolic Recovery

George Washington University (District of Columbia)

Preceptors: Dr. Aaron Cypess, Dr. Zahraa Abdul Sater

#226. Adam Plotkin

The Effect of Vitamin E Supplementation on Energy Balance and Energy Metabolism

Cornell College (Iowa)

Preceptors: Dr. Ifechukwude Ebenuwa, Dr. Mark Levine

#227. Danica Pratta

From the Granules in the Cytosol, to the Damage at the Cell Wall, Slt2 Does It All

University of Pittsburgh (Pennsylvania)

Preceptor: Dr. Daniel Masison

#228. Rebecca Rafique

*The *Fes1* Mystery in Cell Wall Integrity*

University of California, Davis (California)

Preceptor: Dr. Daniel Masison

#229. Farial Rahman

Creation of a Novel Non-invasive Model for the Detection of Advanced Liver Fibrosis in Lipodystrophy Patients

University of North Carolina at Chapel Hill (North Carolina)

Preceptor: Dr. Christopher Koh

#230. Philippa Rogers

Modeling Rare Genetic Diseases in C. elegans: Neuromuscular Junction Involvement in Multiple Mitochondrial Dysfunctions Syndrome 1

Catholic University of America (District of Columbia)

Preceptors: Dr. Andy Golden, Dr. Peter Kropp

#231. Kharina Roman

Dissection of Anatomical and Functional Connections between Cortical Neurons and the Pancreas

Pontifical Catholic University of Puerto Rico (Puerto Rico)

Preceptors: Dr. Sushil Rane, Dr. Santosh Kumar

#232. Alex Schick

Examining the Utility of Trait Hunger Assessed by Three-factor Eating Questionnaire for Predicting Energy Intake across Various Experimental Settings

University of Maryland, College Park (Maryland)

Preceptors: Dr. Kevin Hall, Dr. Valerie Darcey

#233. Elyssa Shoup

Beta-Cell Failure in Africans Is a More Frequent Cause of Abnormal Glucose Tolerance Than Insulin Resistance but Less Metabolically Severe

Guilford College (North Carolina)

Preceptor: Dr. Anne Sumner

#234. Kate Simpson

Metabolic Effects of Gq Signaling in Alpha Cells of the Pancreas

Washington University in St. Louis (Missouri)

Preceptors: Dr. Liu Liu, Dr. Jurgen Wess

#235. Cassandra Small

Understanding the Effects of APOE4 on Endocytosis in Neuronal and Glial Cells

Chatham University (Pennsylvania)

Preceptor: Dr. Priyanka Narayan

#236. Daniel Stoyko

Characterization of piRNA 3'-ends

Stockton University (New Jersey)

Preceptor: Dr. Astrid Haase

#237. Xiangliang Sui

Comparing Monoclonal Antibody Treatments in Cell Models of Graves' Eye Disease and Hyperthyroidism

Washington University in St. Louis (Missouri)

Preceptors: Dr. Marvin Gershengorn, Dr. Christine Krieger

#238. Rana Tora

Clinical MEN1: In Search of Improved Diagnostic Criteria

George Mason University (Virginia)

Preceptors: Dr. Smita Jha, James Welch

#239. Kate Travis

Secular Trends in Spontaneous Physical Activity and Energy Expenditure in Adults Evaluated in a Respiratory Chamber, 1985-2005

Fort Lewis College (Colorado)

Preceptors: Dr. Douglas Chang, Ms. Emma Stinson

#240. Joyce Varughese

Structural Characterization of a Novel Tom40 Interaction

University of Houston (Texas)

Preceptors: Ms. Ashley Pitt, Dr. Susan Buchanan

#241. Mia Wessel

Vascular Abnormalities of the Coronary and Cerebral Arteries in Patients with LOF STAT3 Mutations (Job's Syndrome)

University of Maryland, Baltimore County (Maryland)

Preceptors: Dr. Ahmed Gharib, Dr. Alexandra Freeman

#242. Aileen Zhang

The Human MC4R-F51L Mutation: Evidence for Gq/11alpha-Mediated Inhibition of Food Intake by the Melanocortin 4 Receptor MC4R

University of California, Berkeley (California)

Preceptors: Dr. Lee Weinstein, Dr. Min Chen

[National Institute on Minority Health and Health Disparities \(NIMHD\)](#)

#243. Aniruddh Ajith

Smoking Trajectories during Adulthood and Socioeconomic Conditions after Mid-life: A 30-year Longitudinal Analysis

University of Maryland, College Park (Maryland)

Preceptor: Dr. Kelvin Choi

#244. Jackie Bonilla

Sharing Research Results with Latina Participants in a Community-engaged Behavioral RCT Study and Willingness to Participate in Future Research: A Cross-sectional Survey Study.

University of Georgia (Georgia)

Preceptor: Dr. Anna Nápoles

#245. Isaiah Brown

Evaluating the Differences In Physician Care amongst US Adult Diabetics

University of Kentucky (Kentucky)

Preceptor: Dr. Sharon Jackson

#246. Koya Ferrell

Social Support in Adolescence and Its Impact on Health Behaviors in US Adults

Georgetown University (District of Columbia)

Preceptor: Dr. Sharon Jackson

#247. Kiana Hacker

Concern Regarding Police Brutality and Unfair Treatment by Law Enforcement and Subsequent Tobacco and Marijuana Use among Hispanic Youth

University of Maryland, College Park (Maryland)

Preceptors: Dr. Kelvin Choi, Dr. Julia Chen-Sankey

#248. Phillip Hegeman

Patterns of Digital Health Technology Access and Use among US Adults: A Latent Class Analysis

University of Missouri (Missouri)

Preceptor: Dr. Sherine El-Toukhy

#249. Stephanie Quintero

Evaluating the Implementation of Nuevo Amanecer-II: A Community-based Participatory, Peer-delivered Stress Management Intervention for Rural Latina Breast Cancer Survivors

Dartmouth College (New Hampshire)

Preceptor: Dr. Anna María Nápoles

#250. Charlotte Talham

Structural Determinants of Health and Asthma Risk Profiles of US Sexual Minority Adults: A Latent Class Analysis

University of Florida (Florida)

Preceptors: Dr. Francisco Montiel Ishino, Dr. Faustine Williams

#251. Whitney Teagle

Comorbidity and Ethnic Health Disparities in the UK Biobank

Grinnell College (Iowa)

Preceptor: Dr. Leonardo Marino-Ramirez

#252. Kevin Villalobos

Identifying Profiles of Mental Health Status among Puerto Rican Adults: A Mixture Model analysis of the 2013-2018 National Health Interview Survey

California State University, Los Angeles (California)

Preceptors: Dr. Francisco Montiel Ishino, Dr. Faustine Williams

National Institute of Neurological Disorders and Stroke (NINDS)

#253. Chloe Aloimonos

Selective GSK3 Inhibition during Development Alters Working Memory-related Behavior in a Mouse Model of 22q11.2 Deletion Syndrome

University of Maryland, College Park (Maryland)

Preceptors: Dr. David Kupferschmidt, Dr. Joshua Gordon

#254. Emily Anderson

Development of a High-throughput RNA Interference Screen to Assess Genes Regulating Dopaminergic Neuroprotection in Caenorhabditis elegans Models of Parkinson's Disease

University of Minnesota (Minnesota)

Preceptors: Dr. David Sibley, Dr. Emmanuel Akano

#255. Jawad Aqeel

MRI of Frozen Tissue

University of Michigan (Michigan)

Preceptors: Dr. Govind Bhagavatheeshwaran, Dr. Steve Dodd

#256. Abigail Atkinson

Chromatin Remodeling of HERV-K (HML-2) in Amyotrophic Lateral Sclerosis: A Trigger for Disease Onset?

Brown University (Rhode Island)

Preceptors: Dr. Tara Doucet-O'Hare, Dr. Avindra Nath

#257. Sam Brill-Weil

Probing Subthreshold Membrane Potential Dynamics of Striatal Axons Using Direct Recordings

Bowdoin College (Maine)

Preceptors: Dr. Paul Kramer, Dr. Zayd Khaliq

#258. Sakar Budhathoki

Glial Activation and Cholinergic Decline in Aging

University of Virginia (Virginia)

Preceptors: Dr. Mala Ananth, Dr. Lorna Role

#259. Brice Calco

Neurofilaments Analysis: A Comparison of MECFS Participants to Healthy Controls

University of Michigan (Michigan)

Preceptors: Dr. Avindra Nath, Dr. Brian Walitt

#260. Terance Camacho

Surround Inhibition (SI) in the Human Motor System during Real Life Motor Tasks

University of Guam (Guam)

Preceptors: Dr. Panagiotis Kassavetis, Dr. Mark Hallett

#261. Genesis Castillo

Relative Susceptibilities of Catecholamines to Metabolism by Monoamine Oxidases

Virginia Polytechnic Institute and State University (Virginia)

Preceptor: Dr. David Goldstein

#262. Yong-Han Cheng

Differences in Volumetric Brain Imaging between HIV+ and HIV- in an NIH Cohort

University of Washington (Washington)

Preceptors: Dr. Kory Johnson, Dr. Govind Bhagavatheeshwaran

#263. Thomas Clarity

In vivo Functional Connectivity of Ventral Hippocampal Inputs to Medial Prefrontal Cortex Interneurons in a Mouse Model of 22q11.2 Deletion Syndrome

University of Tennessee, Knoxville (Tennessee)

Preceptors: Dr. David Kupferschmidt, Dr. Joshua Gordon

#264. Maria Cowen

HERV-K Gag Detection in the Brains of ALS Patients

George Mason University (Virginia)
Preceptors: Dr. Avindra Nath, Dr. Catherine DeMarino

#265. Christopher Dasaro
Characterization of the Role of G Protein-coupled Receptor Kinase (GRK) subtypes, and their Mechanisms, in Regulating D2 Dopamine Receptor Signaling
Muhlenberg College (Pennsylvania)
Preceptors: Dr. Marta Sanchez-Soto, Dr. Benjamin Free, Dr. David Sibley

#266. Sarah Dembling
Mouse Whisker Learning following Unilateral Denervation
Dickinson College (Pennsylvania)
Preceptors: Dr. Emily Petrus, Dr. Alan Koretsky

#267. Henry Dieckhaus
Comparison of Logistic Regression and 3D U-Net Models of MRI Brain Segmentation with Limited Training
Boston College (Massachusetts)
Preceptor: Dr. Govind Nair

#268. Eric Esposito
AAV Platform Vector Gene Therapy (PaVe-GT) for Congenital Myasthenic Syndromes
Virginia Polytechnic Institute and State University (Virginia)
Preceptors: Dr. Janelle Geist Hauserrman, Dr. Carsten Bonnemann

#269. Cynthia Fioriti
Multiple Parietal Pathways Are Associated with rTMS-induced Hippocampal Network Enhancement and Episodic Memory Changes
Catholic University (District of Columbia)
Preceptors: Dr. Michael Freedberg, Dr. Eric Wassermann

#270. Brandon Foster
Evaluating Blood-Brain Barrier Permeability and Anti-tumor Activity of Pharmacologic Agents in Rodent Glioma Models
Carnegie Mellon University (Pennsylvania)
Preceptor: Dr. Sadhana Jackson

#271. Sweta Ghatti
Imaging and Genetics in Parkinson's Disease: Assessment of the Effect of GBA Mutation on Cortical Thickness
Vanderbilt University (Tennessee)
Preceptor: Dr. Silvina Horovitz

#272. Matthew Gooden
Human Subjects Training, Events Reporting Training, and Site Initiation Visits: Reducing Non-compliance in Clinical Research
Tufts University School of Medicine (Massachusetts)
Preceptors: Ms. Sandra Martin, Dr. Lauren Reoma

#273. Gretchen Greene
Brain Structural Plasticity Induced by Neural Precursor Cell Transplantation

Macalester College (Minnesota)
Preceptors: Dr. Alan Koretsky, Dr. Nikorn Pothayee

#274. Sean Horan
Physical Performance and Body Composition in Post-infectious Myalgic Encephalomyelitis/Chronic Fatigue Syndrome
Pennsylvania State University (Pennsylvania)
Preceptors: Dr. Brian Walitt, Dr. Kong Chen

#275. Isabelle Hua
Multidimensional Analysis of Jumping Behavior in Mice
University of Washington (Washington)
Preceptors: Dr. Ariel Levine, Dr. Fabricio Nicola

#276. Rowan Hussein
Designing Resection Mask Pipeline for Postoperative Images of Epilepsy Patients
Northwestern University (Illinois)
Preceptors: Mrs. Shervin Abdollahi, Dr. Sara Inati

#277. Sarah Izabel
Characterizations of Progranulin Knockout Mouse Model
Virginia Commonwealth University (Virginia)
Preceptors: Dr. Alan Koretsky, Dr. Nikorn Pothayee

#278. Skylar Johnson
Blood-brain Barrier Disruption Visualized on Post-contrast FLAIR MRI Prior to Reperfusion Therapy in Acute Stroke Patients
Vanderbilt University (Tennessee)
Preceptor: Dr. Lawrence Latour

#279. Brittany Jones
Antisense Oligonucleotides Target HIV mRNA to Inhibit Expression of Viral Transcripts
Georgetown University (District of Columbia)
Preceptor: Dr. Lisa Henderson

#280. Erin Kelly
Men Living with Virologically Controlled HIV Have Decreased Brain Structural Integrity Compared to Women
Rutgers University- New Brunswick (New Jersey)
Preceptor: Dr. Bryan Smith

#281. Suhwan Paul Lee
Revealing Structural Details of a Membrane Transporter with Biophysical Experiments and Molecular Simulations
University of Mississippi (Mississippi)
Preceptor: Dr. Lucy Forrest

#282. Jingce Lei
Functional Characterizations of a Novel Glia-derived Lipid Binding Molecule by CRISPR-mediated Genome Editing

University of Maryland, College Park (Maryland)

Preceptor: Dr. Quan Yuan

#283. Amber Lopez

Synaptojanin-2-binding Protein Overexpression Increases Mitochondria-ER Contact Site in Spinal and Bulbar Muscular Atrophy Motor Neurons

University of Illinois at Urbana-Champaign (Illinois)

Preceptors: Dr. Kenneth Fischbeck, Dr. Christopher Grunseich

#284. Sargis Manukyan

The Histopathological Correlates of the Central Vein Sign in Multiple Sclerosis

University of Southern California (California)

Preceptors: Dr. Daniel Reich, Dr. Omar Al-Louzi

#285. Cynthia McMahan

CSF, MRI, and Cognition in Persons Living With Long-term, Well-Treated HIV

McGill University (Non-U.S.)

Preceptor: Dr. Bryan Smith

#286. William Mullins

Relationship Between R1 and R2 Values in Cortical Lesions in Multiple Sclerosis*

Vanderbilt University (Tennessee)

Preceptors: Dr. Erin Beck, Dr. Daniel Reich

#287. Jorge Dorado Murillo

Transcranial Magnetic Stimulation as an Alternative Treatment for Dementia-related Episodic Memory Loss

University of California, Davis (California)

Preceptors: Dr. Kristen Warren, Dr. Eric Wassermann

#288. Shreya Nandi

A CRISPRi Screen in iPSC Models of Hereditary Motor Neuron Disease

Cornell University (New York)

Preceptors: Dr. Christopher Grunseich, Dr. Kenneth Fischbeck

#289. Marianne Naval

Functional Tests of a Proposed Squid NaV alpha/beta Complex

University of Maryland, College Park (Maryland)

Preceptors: Dr. Miguel Holmgren, Dr. Pablo Miranda

#290. Duc Nguyen

Spatial navigation using auditory cues in head-fixed mice

University of California, Berkeley (California)

Preceptor: Dr. Yi Gu

#291. D'Angela Pritchett-Rowe

Characterizing the Role of NALCN in Dopamine Dependent Behaviors

Humboldt State University (California)

Preceptors: Dr. Zayd Khaliq, Dana Lewis

#292. Mia Railing

Identifying the Cognitive and Neurophysiological Profile in the SETD1A-deficient Model of Schizophrenia Risk

Michigan State University (Michigan)

Preceptors: Dr. Sofiya Hupalo, Dr. Joshua Gordon

#293. Jessica Rana

Mitochondrial Pyruvate Carrier: A Structural Modeling Study

Johns Hopkins University (Maryland)

Preceptors: Dr. Vanessa Leone, Dr. Lucy Forrest

#294. Frederika Rentzeperis

Interictal Arterial Spin Labeling MRI in Presurgical Evaluation of Epilepsy

Dartmouth College (New Hampshire)

Preceptors: Dr. Sara Inati, Dr. Myriam Abdennadher

#295. Julia Rocereta

Optimization of ML321, a D2 Dopamine Receptor-selective Antagonist for the Treatment of Neuropsychiatric Disorders

Muhlenberg College (Pennsylvania)

Preceptors: Dr. David Sibley, Dr. R. Benjamin Free

#296. Adit Sabnis

Anatomical Features of Müller Glia in Mouse Retina

University of Maryland, College Park (Maryland)

Preceptor: Dr. Jeffrey Diamond

#297. David Shostak

Cholinergic Regulation of GnRH Neurons

Oberlin College (Ohio)

Preceptors: Dr. Stephanie Constantin, Dr. Susan Wray

#298. Amelia Stapleton

Interhemispheric Dynamics: From Attentional Behavior to Connectivity

Smith College (Massachusetts)

Preceptors: Dr. Selene Schintu, Dr. Eric Wassermann

#299. Alexander Sukharev

Transmission of Reward-related Activity in Midbrain Dopaminergic Neuron Axons

University of Maryland, College Park (Maryland)

Preceptors: Dr. Paul Kramer, Dr. Zayd Khaliq

#300. Kohleman Swift

Temporal Drift of Cortical Spiking Sequences in Human Anterior Temporal Lobe

Yale University (Connecticut)

Preceptor: Dr. Kareem Zaghloul

#301. Stephanie Tam

Investigating the Functional Roles of the Cytoplasmic Cap in P2X Receptor Channels

American University (District of Columbia)
Preceptors: Dr. Mufeng Li, Dr. Kenton Swartz

#302. Kaniq Thomas
Longitudinal Analysis of Brain Changes in Participants with Aviremic HIV, Compared to Socio-demographically Matched Controls
California State University, Los Angeles (Maryland)
Preceptors: Dr. Avindra Nath, Dr. Govind Bhagavatheeshwaran

#303. Ariana Turk
Morphometric Analysis of Astrocytes in Vocal Production Circuits of the Common Marmoset (Callithrix jacchus)
Georgetown University (District of Columbia)
Preceptor: Dr. Shahriar SheikhBahaei

#304. Emily Yaklich
Incorporating Biochemical Data in Pairwise Sequence Alignments of Membrane Proteins
University of Minnesota (Minnesota)
Preceptors: Dr. Lucy Forrest, Dr. Antoniya Aleksandrova

#305. Braden Yang
The Relation between the Structural Brain Network and Epileptiform Discharge Propagation in Patients with Epilepsy
Vanderbilt University (Tennessee)
Preceptor: Dr. Sara Inati

National Institute of Nursing Research (NINR)

#306. Hannah Allen
Androgen Deprivation Therapy for Prostate Cancer Is Associated with Differences in Steroid Hormone Biosynthesis Metabolism and Fatigue
University of Pittsburgh (Pennsylvania)
Preceptors: Dr. Li Rebekah Feng, Dr. Leorey Saligan

#307. Brianna Brooks
Effects of Low-carbohydrate and Low-fat Diets on Taste Perception
University of Pennsylvania (Pennsylvania)
Preceptors: Dr. Rosario Jaime-Lara, Dr. Paule Joseph

#308. Sara Flash
What Is the Relationship between Age and Activity in All of Us Study Participants Reporting a Diagnosis of Congestive Heart Failure?
Muhlenberg College (Pennsylvania)
Preceptors: Dr. Patricia Flatley Brennan, Dr. Jim Holdnack

#309. Samvit Iyer
BDNF Polymorphism May Protect Against Chemotherapy-induced Fatigue in a Mouse Model
University of Florida (Florida)

Preceptors: Dr. Leorey Saligan, Dr. Brian Wolff

#310. Amanda Jiang

Efficacy of Sleep-focused Treatments on Sleep Quality and Biomarkers of Wellbeing in Military Service Members with and without Posttraumatic Stress Symptoms

Smith College (Massachusetts)

Preceptors: Dr. Heather Rusch, Dr. Jessica Gill

#311. Kayla Keane

COVID-19 and School Meal Programs: The Pandemic's Impact on Students' Access to Healthy Food

University of Michigan (Michigan)

Preceptors: Dr. Kelly Jones, Dr. Letitia Graves

#312. Jacqueline Leete

Blood-based Biomarkers Relate to Daytime Sleepiness in Traumatic Brain Injury

Wesleyan University (Connecticut)

Preceptors: Dr. Jessica Gill, Dr. Vivian Guedes

#313. Carina Martin

Identification of DNA Methylation Predicts Onset of PTSD and Depression Following Trauma

University of Mary Washington (Virginia)

Preceptor: Dr. Hyung-Suk Kim

#314. Ethan Smith

Extracellular Vesicle IL-6 Is Elevated in Acute Sport-related Concussion

University of Toronto (Non-U.S.)

Preceptor: Dr. Vivian Guedes

#315. Isaias Torres

Extracellular Vesicle-associated Cytokines as a Predictor of Symptom Clusters in Women with Breast Cancer

California State University, San Marcos (California)

Preceptors: Dr. Delia Sass, Dr. Leorey Saligan

Wednesday, April 28, 2021

Clinical Center (CC)

#316. Maria Anaya

Characterizing Incisional Pain After Video-assisted Thoracoscopic Surgery

Stony Brook University (New York)

Preceptors: Dr. Eleni Frangos, Dr. Catherine Bushnell

#317. Ryan Baumann

A Microarray-based Multiplexing Platform for Detecting and Serotyping Dengue Virus Infection

Saint Louis University (Missouri)

Preceptor: Dr. Valeria De Giorgi

#318. Julia D'Agata Mount, Kate C Gannon

How High Should You Go? Buprenorphine Dosing in the ANCHOR Investigation

McGill University (Non-U.S.), Colby College (Maine)

Preceptor: Dr. Elana Rosenthals

#319. Jay Desai

The Impact of COVID-19 on Anxiety and Motivation in Patients with Classic Congenital Adrenal Hyperplasia

Johns Hopkins University (Maryland)

Preceptors: Dr. Ashwini Mallappa, Dr. Deborah Merke

#320. Jane Dimperio

Incorporating Virtual Collaborative Reporting into Radiologist Workflows Helps Improve Patient Care While Meeting Learning Objectives for Students

University of Pittsburgh (Pennsylvania)

Preceptor: Dr. Les Folio

#321. Jian Dong

Assessment of Bone Mineral Density in People Living with HIV and KSHV Associated Malignancies: A Retrospective Longitudinal Analysis

Dartmouth College (New Hampshire)

Preceptor: Dr. Jomy George

#322. Mary Kate Dougherty

Optimization of the Delivery of Novel RNA-based Analgesics

Saint Joseph's University (Pennsylvania)

Preceptors: Dr. Andrew Mannes, Dr. Michael Iadarola

#323. Julia Fontana

Assessing and Treating Traumatic Brain Injury Remotely: A Scoping Review

University of Colorado Boulder (Colorado)

Preceptor: Dr. Leighton Chan

#324. Kristina Franklin

Bidirectional Relationship between Sickle Cell Disease and Food Insecurity: Scoping Review

Pennsylvania State University (Pennsylvania)

Preceptor: Dr. Nicole Farmer

#325. Emily Frucci

Role of the Immune System in the Pathogenesis of Adrenal Myelolipoma in Patients with Congenital Adrenal Hyperplasia

University of Michigan (Michigan)

Preceptors: Dr. Vipula Kolli, Dr. Deborah Merke

#326. Catherine Gannon, Julia Mount

COVID-19 Attitudes, Experiences, and Behaviors among People With OUD

Colby College (Maine), McGill University (Non-U.S.)

Preceptor: Dr. Elana Rosenthal

#327. Justine Glieger

Cross-sectional Assessment of Motor Development and Function from Infancy to Adulthood in Smith-Magenis Syndrome

University of Maryland, College Park (Maryland)

Preceptors: Mrs. Hanna Hildenbrand, Mrs. Ann Smith

#328. Talya Gordon

Participant Perceptions of the Acceptability and Feasibility of a Web-based CBT-I Intervention in Individuals with Alcohol Use Disorder

University of Maryland, College Park (Maryland)

Preceptors: Dr. Gwenyth Wallen, Dr. Lena Lee

#329. Ruby Hutchison

Effect of Murine Vendor on Anti-tumor Immune Responses to Non-ablative Pulsed Focused Ultrasound

Virginia Polytechnic Institute and State University (Virginia)

Preceptor: Dr. Parwathy Chandran

#330. Avinash Iyer

Identification of Biomarkers Based on Clinical Outcome in Car-T Immunotherapy for Lymphoma

University of Southern California (California)

Preceptor: Dr. Lipei Shao

#331. Uma Jacobs

Characterizing Static Balance Deficits in Ambulatory Patients with Kennedy's Disease

Northwestern University (Illinois)

Preceptors: Dr. Joseph Shrader, Dr. Cristiane Zampieri-Gallagher

#332. Jessica Lo

Perceived Neighborhood Cohesion among Individuals with and without Disabilities

University of Washington (Washington)

Preceptors: Dr. Elizabeth Rasch, Dr. Leighton Chan

#333. Alyssa Long

Expression of Viral Entry Proteins and in vitro Susceptibility of Pulmonary Vascular Endothelium to SARS-CoV-2 infection

Goucher College (Maryland)

Preceptors: Dr. Jason Elinoff, Dr. Edward Dougherty

#334. Jonathan Martinez

Exercise Capacity and Fatigability in Women with Systemic Lupus Erythematosus: Effects of a 12-week Aerobic Exercise Training Program

Elon University (North Carolina)

Preceptors: Dr. Leighton Chan, Dr. Lisa Chin

#335. Jennifer McKeeby

Patients Who Screen Non-Acute Positive for Suicide Risk and Social Work Interventions: A Descriptive Analysis

Belmont University (Tennessee)

Preceptor: Mrs. Jeasmine Aizvera

#336. Brianna Meeks

The Oral Microbiome as a Novel Mechanism Linking Smoking and Cardiovascular Diseases: A Review

College of William & Mary (Virginia)

Preceptors: Dr. Katherine Maki, Dr. Gwenyth Wallen

#337. Amelia Mitchell

Assessing Dopaminergic Function in Optimally Treated HIV Using FDOPA PET Imaging

Hamilton College (New York)

Preceptor: Dr. Dima Hammoud

#338. Pranavi Nara

Reducing Lipofuscin Induced Autofluorescence in in-situ Hybridization and Application to Neuronal Sub-population Determinations in Postmortem Human DRG

Pennsylvania State University (Pennsylvania)

Preceptors: Dr. Andrew Mannes, Dr. Michael Iadarola

#339. Megan Parker

Premenarchal Diagnosis and Treatment Improves Adult Clinical Outcomes in a Multicenter Cohort of Females with Nonclassic Congenital Adrenal Hyperplasia

Stanford University (California)

Preceptor: Dr. Deborah Merke

#340. Olivia Parker

Analysis of the Impact of Internal Ablation on Pierced Spheroids

Princeton University (New Jersey)

Preceptors: Dr. Bradford Wood, Dr. John Karanian

#341. Reema Patel

Characterizing Liver Dysfunction in People with HIV (PWH) before and after Treatment Using [18F]-FDG PET/CT

College of William & Mary (Virginia)

Preceptor: Dr. Dima Hammoud

#342. Aishwarya Pradeep

Evaluation of Microanalytes as a Biological Signature in Myofascial Pain Syndrome: A Comparison of Data Analytic Approaches

Johns Hopkins University (Maryland)

Preceptor: Dr. Jay Shah

#343. Vicki Remley

High Efficiency Closed-system Gene Transfer Using Spinoculation

University of Pittsburgh (Pennsylvania)

Preceptors: Dr. Steven Highfill, Mr. Larry Moses

#344. Claire Sturek

Adapting a Stereophotogrammetry Algorithm to Account for the Sagittal Spine Curve

Catholic University of America (District of Columbia)

Preceptor: Dr. Scott Paul

#345. Hima Tallam

Investigation of CT Biomarkers for Type 2 Diabetes through Automated Pancreas Measurements

Rutgers University (New Jersey)
Preceptors: Dr. Ronald Summers, Dr. Daniel Elton

#346. Zeping Wang
Redistribution of Brain Glucose Metabolism in People Living with HIV after Antiretroviral Therapy Initiation
Swarthmore College (Pennsylvania)
Preceptor: Dr. Dima Hammoud

National Center for Complementary and Integrative Health (NCCIH)

#347. Nicole Antkiewicz
Understanding the Experiences of Chronic Pain Patients during the COVID-19 Pandemic: An Exploration of the Impact of Social and Psychological Factors on Distinct Chronic Pain Conditions
Pennsylvania State University (Pennsylvania)
Preceptor: Dr. Lauren Atlas

#348. Barbara Benowitz
Bidirectional Modulation of Pain-related Behaviors in the Zona Incerta
Gettysburg College (Pennsylvania)
Preceptors: Dr. Sudhuman Singh, Dr. Yarimar Carrasquillo

#349. Sarah Chaudhry
Pain-related Synaptic Plasticity in the Central Amygdala to Zona Incerta Pathway
Michigan State University (Michigan)
Preceptor: Dr. Yarimar Carrasquillo

#350. Eunice Chung
Behavioral and Autonomic Responses during Conditioned Pain Modulation Paradigms
University of Maryland, College Park (Maryland)
Preceptors: Dr. Eleni Frangos, Dr. M. Catherine Bushnell

#351. Meera Deva
Characterizing Pain in Fibrous Dysplasia / McCune-Albright Syndrome Patients
University of North Carolina at Chapel Hill (North Carolina)
Preceptors: Ms. Eleni Frangos, Dr. Catherine Bushnell

#352. Elena Do
Using Machine Learning to Quantify Pain-Related Facial Expressions
Swarthmore College (Pennsylvania)
Preceptor: Dr. Lauren Atlas

#353. Adela Francis-Malave
Antinociceptive and Anti-Inflammatory Effects of 4R Tobacco Cembranoid in a Mouse Model of Inflammatory Pain
University of Puerto Rico Rio Piedras Campus (Puerto Rico)
Preceptors: Dr. Yarimar Carrasquillo, Mr. Luis Rivera

#354. Eleanor Goulden

The Representation of Effort in the Brain: A Synthesis of the Literature

Occidental College (California)

Preceptors: Dr. Nicholas Madian, Dr. Catherine Bushnell

#355. Jennifer Osborne

Sensory Neurons and Circuits Underlying Sexual Function

Brown University (Rhode Island)

Preceptor: Ms. Ruby Lam

#356. Sarah Shnyder

Case Study of N2434K PIEZO2 Mutation Found in Patients

Tufts University (Massachusetts)

Preceptors: Dr. Alex Chesler, Dr. Alec Nickolls

#357. Michelle Singh

The Mechanisms Underlying Complex Regional Pain Syndrome (CRPS): A Literature Review

George Washington University (District of Columbia)

Preceptors: Dr. Catherine Bushnell, Dr. Eleni Frangos

#358. Jeitzel Torres Rodriguez

Pain Modulation in Central Amygdala Projecting Parabrachial Neurons

University of Puerto Rico Mayaguez Campus (Puerto Rico)

Preceptor: Dr. Yarimar Carrasquillo

#359. Rachel Weger

Assessing the Effects of the COVID-19 Pandemic on Mental Health through Automated Language and Sentiment Analyses

American University (District of Columbia)

Preceptor: Dr. Lauren Atlas

National Institute of Alcohol Abuse and Alchohoism (NIAAA)

#360. Jasmina Abdalla

Exploring the Role of Glutamate Signaling in Bleomycin-induced Pulmonary Fibrosis in Mice

George Washington University (District of Columbia)

Preceptor: Dr. Resat Cinar

#361. Corynn Appolonia

Exploring the Effect of Chronic Alcohol Drinking on Lung Immunity, Metabolism, and Respiratory Function

University of Pittsburgh (Pennsylvania)

Preceptor: Dr. Resat Cinar

#362. Jared Axelowitz

A Latent Class Analysis of Early Life Stressors and Associations with Alcohol-related Problems, Anxiety, and Depressive Symptoms

The George Washington University (District of Columbia)

Preceptors: Dr. Jeremy Luk, Dr. Bethany Stangl

#363. Laura Castillo

Endocannabinoid Measurements in the Prefrontal Cortex to Amygdala Circuit during Fear Extinction

Middlebury College (Vermont)

Preceptor: Dr. Ozge Gunduz Cinar

#364. Hyesun Choi

Investigating the Role of Nucleus Accumbens Medium Spiny Neurons in Risky Decision Making

University of New Mexico (New Mexico)

Preceptors: Dr. Andrew Holmes, Dr. Patrick Piantadosi

#365. Kendall Coden

Dissecting Cortico-Limbic-Striatal Circuit Interactions During Punished Decision-Making

University of Michigan (Michigan)

Preceptors: Dr. Patrick Piantadosi, Dr. Andrew Holmes

#366. Evan Dennis

BMI Influences the Relationship between Socioeconomic Status and Brain Development

University of Michigan (Michigan)

Preceptors: Dr. Peter Manza, Dr. Nora Volkow

#367. Keshav Goel

Dual-target CB1R Antagonism and AMPK Activation to Improve Therapeutic Efficacy in Bleomycin-induced Pulmonary Fibrosis

Williams College (Massachusetts)

Preceptor: Dr. Resat Cinar

#368. Chiraag Gohel

Gene Expression Profiling for Mouse Fetal Cortex after Prenatal Alcohol Exposure with Single Nucleus Rna-Seq

Carleton College (Minnesota)

Preceptors: Dr. Qiaoping Yuan, Dr. Danielle Sambo

#369. Alexa Gracias

Optical Endocannabinoid Monitoring of Synapse Specific Ethanol Modulation

University of Virginia (Virginia)

Preceptor: Dr. Shana Augustin

#370. Sean Hernandez

Striatal Dopamine Transients Evoked by Paraventricular Nucleus of the Thalamus Projections Are Inhibited by Drugs of Abuse

California State University, San Marcos (California)

Preceptors: Dr. Michael Authement, Dr. Veronica Alvarez

#371. Alexa Herrerias

Effectiveness of a Non-penetrant hybrid (CB1 and iNOS) Inhibitor MRI 1867 in Reducing Alcohol Drinking in Female Mice

George Mason University (Virginia)

Preceptor: Dr. George Kunos

#372. Allison Johnson

The Activation of Incentive Saliency Regions in Anticipation of a Reward vs. receipt of a Reward: A Literature Review

University of Michigan (Michigan)

Preceptors: Dr. Gene-Jack Wang, Dr. Peter Manza

#373. Andy Kelleher

Characterization of [11C]Carfentanil Positron Emission Tomography in Rat

Duke University (North Carolina)

Preceptor: Dr. Sunny Kim

#374. Hannah Kim

Exploring the Impact of Smoking Status on the Incentive Saliency Domain of the Addictions Neuroclinical Assessment Using a Hypothetical Alcohol Purchase Task in Alcohol Use Disorder

University of North Carolina at Chapel Hill (North Carolina)

Preceptor: Dr. Nancy Diazgranados

#375. Mallory Kisner

Impacts of Age and Sex on White Matter Integrity in Alcohol Use Disorder: A Diffusion Tensor Imaging Study

Colorado State University (Colorado)

Preceptor: Dr. Reza Momenan

#376. Anoo Maskeri

Characterization of Neuronal Ensembles Driving Motivated Behavior in the Nucleus Accumbens

Virginia Polytechnic Institute and State University (Virginia)

Preceptors: Mr. Dennis Burke, Dr. Veronica Alvarez

#377. Christian McDuffie

Reports of Taste, Smell, and Sleep Quality in Individuals with Alcohol Use Disorder during COVID-19

University of Southern California (California)

Preceptors: Dr. Paule Joseph, Dr. Khushbu Agarwal

#378. Katherine McPherson

Sex-dependent Effects of Cannabis Dependence on Cerebellar Volume and Sleep Quality

Cornell University (New York)

Preceptors: Dr. Peter Manza, Dr. Gene-Jack Wang

#379. Carlos Melendez

Interactions between Facets of Impulsivity and Alcohol-related Outcomes among Binge Drinkers

University of Maryland, College Park (Maryland)

Preceptors: Dr. Vijay Ramchandani, Dr. Bethany Stangl

#380. Adriana Mendez

Modulation of Fear and Extinction by Astroglial CB1 Receptors in the Basolateral Amygdala

University of Washington (Washington)

Preceptors: Dr. Olena Bukalo, Dr. Andrew Holmes

#381. James Morris

Characterizing Consumption Motivators during Free Access and Progressive Ratio IV Alcohol Self-administration in Humans

Florida State University (Florida)

Preceptors: Dr. Vijay Ramchandani, Dr. Bethany Stangl

#382. Erin Murray

Cocaine Self-administration in Mice with Cell-specific Knockdown of D2 Receptors in Striatum and Midbrain

Lafayette College (Pennsylvania)

Preceptors: Dr. Veronica Alvarez, Roland Bock

#383. Jacob Nadel

Ketone Ester Diet Improves Motor Dysfunction in a Mouse Model of Parkinson's Disease

Oberlin College (Ohio)

Preceptors: Dr. David Lovinger, Dr. Armando Salinas

#384. Kelly O'Conor

Progress towards an Adenosine A1 Receptor Full Agonist Radiotracer for Positron Emission Tomography

Northwestern University (Illinois)

Preceptor: Dr. Sunny Kim

#385. Kurren Parida

Heart Rate and Heart Rate Variability during IV Alcohol Self-administration in Non-dependent Drinkers: Relationship with Subjective Responses to Alcohol

Pennsylvania State University (Pennsylvania)

Preceptors: Dr. Vijay Ramchandani, Dr. Bethany Stangl

#386. Victoria Rabii

Parental AUD Status in Relation to Youth Emotional Stroop Task Responses

Virginia Commonwealth University (Virginia)

Preceptors: Dr. Alexandra Martelli, Dr. Reza Momenan

#387. Stephanie Ramos-Maciel

Modeling Spontaneous THC Withdrawal Symptoms in Mice

University of California, Davis (California)

Preceptors: Dr. Andrew Kesner, Dr. David Lovinger

#388. Nicholas Rutland

Investigation into Molecular Determinants of Cb2 Agonism/Cb1 Antagonism for Pharmacological Profile

Oberlin College and Conservatory (Ohio)

Preceptor: Dr. Malliga Iyer

#389. Luis Santos Molina

Hybrid Inhibitor of Peripheral CB1 Receptors and iNOS Reduces Alcohol Drinking and Some Inflammatory Markers in the GI Tract. Implications for Treatment of Alcoholism and Related Conditions

Florida State University (Florida)

Preceptors: Dr. George Kunos, Dr. Grzegorz : Godlewski

#390. Marlisa Shaw

Characterizing the Role of Dopamine D3 Receptors on Dopaminergic Neurons on Anxiety-like Behavior
Pennsylvania State University (Pennsylvania)

Preceptors: Dr. Miriam Bocarsly, Dr. Veronica Alvarez

#391. Rhianna Vergeer

Relationship between Obesity and Alcohol Sensitivity across the Spectrum of Alcohol Use: Body Size, Body Composition, and Beyond

University of Michigan (Michigan)

Preceptors: Dr. Vijay Ramchandani, Dr. Bethany Stangl

#392. Casey Wood

Design, Synthesis, and Biological Evaluation of Novel Substituted-adamantyl Ureas as Soluble Epoxide Hydrolase (sEH) Inhibitors

University of South Florida (Florida)

Preceptor: Dr. Malliga Iyer

#393. Joyce Yoo

A Genetically-informed Study Disentangling the Relationships between Tobacco Smoking, Cannabis Use, Alcohol Consumption, Substance Use Disorders, and Respiratory Infections, Including COVID-19

Duke University (North Carolina)

Preceptors: Mr. Daniel Rosoff, Dr. Falk Lohoff

#394. Charles Zawatsky

Dual-targeting of Peripheral CB1R and iNOS Demonstrates Anti-fibrotic Efficacy in Bleomycin-induced Skin Fibrosis

Hillsdale College (Michigan)

Preceptors: Dr. Resat Cinar, Dr. George Kunos

#395. Ugne Ziausyte

A Latent Profile Analysis of Trait Impulsivity and Compulsive Drinking in an Alcohol Screening Sample

Carnegie Mellon University (Pennsylvania)

Preceptors: Dr. Tommy Gunawan, Dr. Jeremy Luk

#396. Leo Zsembik

Neural Underpinnings of Contextual Fear in the Prefrontal Cortex

University of North Carolina at Chapel Hill (North Carolina)

Preceptor: Mr. Andrew Holmes

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

#397. Maisie Ahern

Auditory Stimulation as a Treatment for Epilepsy

University of California, Los Angeles (California)

Preceptor: Dr. Dax Hoffman

#398. Neha Akella

Differential Distribution of Distinct ER-PM Contact Site Proteins in Neurons

University of Illinois at Urbana-Champaign (Illinois)

Preceptors: Dr. Andres Buonanno, Dr. Detlef Vullhorst

#399. Elizabeth Altman

Investigating the Role of Mc3r in Adipocytes

Union College (New York)

Preceptors: Dr. Jack Yanovski, Dr. Tusharkumar Patel

#400. Kaitlin Ballenger

A Phase III Study of DCCR in Prader-Willi Syndrome: Effects on Resting Energy Expenditure (REE) and Adiposity

Georgetown University (District of Columbia)

Preceptor: Dr. Jack Yanovski

#401. Felicia Benoit

Preservation of Zebrafish Genetic Resources through Sperm Cryopreservation and Recovery via In vitro Fertilization

New York University (New York)

Preceptors: Dr. Benjamin Feldman, Dr. Alan DeCherney, Dr. Jurrien Dean

#402. Emily Blick

Estimation of Head Surface Location of Functional Near-Infrared Spectroscopy Probes Using Regression

University of Maryland, College Park (Maryland)

Preceptor: Dr. Hadis Dashtestani

#403. Fountane Chan

Regulation of Engrailed and Invected Expression in the Drosophila Central Nervous System

University of Oregon (Oregon)

Preceptor: Dr. Judith Kassis

#404. Kevin Choi

Characterization of the High Affinity Eukaryotic Polyamine Transporter Hol1

University of Texas at Austin (Texas)

Preceptor: Dr. Anirban Banerjee

#405. Nickolas Chu

Cell Specific Inhibition of GABA Signaling Results in Reduced Freezing Response in Zebrafish

University of Washington (Washington)

Preceptors: Dr. Harold Burgess, Dr. Ashwin Bhandiwad

#406. Jacob Clarin

A Proposal for Investigating Genetic Compensation via Nonsense Mediated Decay in Stable CRISPR Mutant Zebrafish Lines

University of Pittsburgh (Pennsylvania)

Preceptors: Dr. Harold Burgess, Dr. Tripti Gupta

#407. Taylor Crawford

Analyzing the Role of PcG Targets Outside of H3K27me3 domains in Drosophila melanogaster

University of North Carolina - Greensboro (North Carolina), ()

Preceptors: Lesley Brown, Dr. Judith Kassis

#408. Abigail Daniels

Oxidative Stress-induced Small, Regulatory RNA Sponges an Anaerobic Stress-induced Small RNA in E. coli

Brandeis University (Massachusetts)

Preceptors: Dr. Lauren Walling, Dr. Gisela Storz

#409. Kweku Djan

Subjective Social Status and its Relationship to Childhood Adiposity and Eating Behaviors

Yale University (Connecticut)

Preceptor: Dr. Jack Yanovski

#410. Carolyn Egekeze

Analysis of the Transcriptomic Landscape Alterations in DLD-1 Cells upon Loss of Individual Members of the Nuclear Pore Complex

Loyola Marymount University (California)

Preceptors: Dr. Mary Dasso, Dr. Ryan Dale

#411. Paul Elizalde

Assessing DNA Accessibility in vivo

Catholic University of America (District of Columbia)

Preceptor: Dr. David Clark

#412. Megan Ezeude

Characterizing the Function of Rhoa Downstream Effectors in Regulating Vascular Development and Integrity in vivo

Spelman College (Georgia)

Preceptor: Dr. Laura Pillay

#413. Loie Faulkner

Heart Rate Variability, Anxiety, and Loss of Control Eating in Youth

American University (District of Columbia)

Preceptor: Dr. Jack Yanovski

#414. Frances Fernando

Comparative Acceptability of Male Contraceptive Progestational Androgens: Dimethandrolone undecanoate and 11 beta-methyl-19-nortestosterone dodecylcarbonate

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Preceptor: Dr. Diana Blithe

#415. Elizabeth Ferrer

Design and Characterization of Organelle-anchored Lipid Biosensors

Florida International University (Florida)

Preceptors: Dr. Joshua Pemberton, Dr. Tamas Balla

#416. Allison Goldstein

Analysis of Zebrafish Fin Regeneration Using an Epigenetic Reporter Line

University of Michigan (Michigan)

Preceptors: Dr. Aniket Gore, Dr. Brant Weinstein

#417. Theemeshni Govender

The Prospective Association between Substance Use Motivation and Suicidal Ideation among US Emerging Adults.

University of Oregon (Oregon)

Preceptors: Dr. Stephen Gilman, Dr. Denise Haynie, Dr. Jing Yu

#418. Jordyn Greenbaum

*Characterizing the Role of *kdm4ab* in Neural Tissue Development and Function*

Haverford College (Pennsylvania)

Preceptor: Dr. Miranda Marvel

#419. Samuel Hernandez

Gambling with Random CTCF Integrations and Revealing Its Role in Gene Regulation

Knox College (Illinois)

Preceptors: Dr. Pedro Rocha, Dr. Zhenyu Zuo

#420. Anna Horacek

Enhancer Hijacking Leads to Flies with No Thorax

University of Oregon (Oregon)

Preceptor: Dr. Judith Kassis

#421. Amanda Ivanoff

Ancient KRAB-ZFPs and the Evolution of Mammalian Pregnancy

College of William & Mary (Virginia)

Preceptors: Dr. Todd Macfarlan, Dr. Anna Senft

#422. Nicholas Johnson

CLN3 Disease Biomarker Discovery Using Olink Proteomics and RNA-seq

University of Colorado at Colorado Springs (Colorado)

Preceptor: Dr. Ryan Dale

#423. Celine Kisimba

Using Drosophila as a Model for Cornelia de Lange Syndrome

University of North Carolina at Greensboro (North Carolina)

Preceptor: Dr. Judith Kassis

#424. Katherine Klier

Investigation of Intragenetically Encoded Small Proteins in E. coli Toxin-Antitoxin Systems

University of Michigan (Michigan)

Preceptors: Dr. Aoshu Zhong, Dr. Gisela Storz

#425. Joseph Krzeski

The Voltage-gated Potassium Channel, Kv4.2, Prevents Potassium Channel Interacting Proteins from Ubiquitination and Degradation

Xavier University (Ohio)

Preceptors: Dr. Jiahua Hu, Dr. Dax Hoffman

#426. Esther Kwarteng

The Relationships between Body Composition and Blood Pressure across Pubertal Stages

Duke University (North Carolina)

Preceptors: Dr. Jack Yanovski, Dr. Lisa Shank

#427. Daniel Lee

Profiling the Epigenetic Landscape during Forebrain GABAergic Interneuron Development

University of California, Berkeley (California)

Preceptors: Dr. Pedro Rocha, Dr. Timothy Petros

#428. Evelyn Liu

Greater Self-regulation and Dietary Restraint Are Related to a Healthier Home Food Environment during Pregnancy and Postpartum

Cornell University (New York)

Preceptors: Dr. Tonja Nansel, Dr. Leah Lipsky

#429. Rachel Luke, Rebecca Telese

Effects of Cholesterol-27-Hydroxylase Overexpression in a Mouse Model of Niemann-Pick Disease, Type C1

Pennsylvania State University (Pennsylvania), Washington and Lee University School (Virginia)

Preceptor: Dr. Niamh Cawley

#430. Rahul Maini

Time Course of GABAergic Interneurons in the Hippocampus and Striatum

University of Illinois at Urbana Champaign (Maryland)

Preceptor: Mr. Tim Petros

#431. Kyli McKee

The Use of Machine Learning to Identify Genetic Modifiers Present in Neimann-Pick Disease type C

American University (District of Columbia)

Preceptors: Dr. Christopher Wassif, Dr. Forbes Porter

#432. Leah Meuter

Pheochromocytoma and Paraganglioma: How Three Main Molecular Clusters Can Guide Clinical Practice

California Polytechnic State University, San Luis Obispo (California)

Preceptor: Dr. Karel Pacak

#433. Emily Miller

Metabolic Effects of the Suppression of High-fat Diet-induced Inflammation by Colchicine in Mice

Texas Tech University (Texas)

Preceptor: Dr. Jack Yanovski

#434. Jacob Miller

Do Various Nuclear Transport Receptors Have Unique Travel Routes within the Nuclear Pore Complex?

Vassar College (New York)

Preceptors: Dr. Alexei Arnaoutov, Dr. Mary Dasso

#435. John Millerhagen

Investigating State Functional Connectivity and Autistic Traits Using Functional Near Infrared Spectroscopy

University of Wisconsin - Madison (Wisconsin)

Preceptor: Dr. Amir Gandjbakhche

#436. Jeffrey Mun

Evaluating Coagulation Profiles of Patients with Cushing Syndrome: Results from a Longitudinal Prospective Study before and after Surgery

Swarthmore College (Pennsylvania)

Preceptors: Dr. Lynnette Nieman, Ms. Raven McGlotten

#437. Andrea Munoz

Phenotypic Expression of Swallowing Function in Niemann Pick Disease Type C1 (NPC1)

Tufts University (Massachusetts)

Preceptor: Dr. An Dang Do

#438. Sarina Nagpal Hanfling, Allison Kumnick

Got Protection? Differences in Contraceptive Use in Lesbian and Bisexual Women

Tufts University (Massachusetts), University of Miami Miller School of Medicine (Florida)

Preceptors: Dr. Veronica Gomez-Lobo, Dr. Jacqueline Maher

#439. Matthew Nebiyou

Effect of Vincristine on Axonal Mitochondrial Movement in Human Neurons

Towson University (Maryland)

Preceptors: Dr. Jorge Gomez-Deza, Dr. Claire Le Pichon

#440. Jacob Olondo Kuba

Assessing the Role of Predicted Amino Acid Antiporters in Legionella Virulence and Response to Acidic Stress

University of Maryland, College Park (Maryland)

Preceptors: Dr. Matthias Machner, Dr. Katherine Bonnington

#441. Ava Papetti

Using Brainbow to Explore Chandelier Cell Connectivity

Emory University (Georgia)

Preceptor: Dr. Timothy Petros

#442. Reeya Patel

Racial and Early Life Socioeconomic Disparities in Adulthood Mortality

University of Michigan (Michigan)

Preceptor: Dr. Stephen Gilman

#443. Ashley Person

Does Nucleoporin TPR Control Transcription by Preventing Formation of DNA-RNA Hybrids (R-loops)?

Whitman College (Washington)

Preceptor: Dr. Vasilisa Aksenova

#444. Ashley Pratt

Kv4.2 Is a Substrate of Ube3a and Is More Abundant in a Genetic Model of Angelman Syndrome

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Preceptors: Dr. Dax Hoffman, Dr. Cole Malloy

#445. Eliana Ramirez

The Association Between Bedtime, Wake-time Shift, and Children's Eating in the Laboratory

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#446. Kyla Roland

The Role of transposable Elements in Gene Expression in Fission Yeast

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#447. Bakary Samasa

The Zebrafish Brain Helmet: The Meninges and Their Novel Lymphatic Vessels and Unusual Resident Cells

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Preceptors: Dr. Brant Weinstein, Dr. Marina Venero Galanternik, Mr. Daniel Castranova

#448. Erin Santos

Activity-dependent Adaptive Myelination of the Visual System

Colgate University (New York)

Preceptors: Mr. William Huffman, Dr. Douglas Fields

#449. Katelin Scott

Biomarker Discovery in NPC

DePauw University (Indiana)

Preceptor: Dr. Chris Wassif

#450. Sheida Shahmohammadi

Investigating Anatomical and Mirror Imitation Using Functional Near-Infrared Spectroscopy

University of the District of Columbia (District of Columbia)

Preceptors: Dr. Helga Miguel, Dr. Kosar Khaksari

#451. Andrew Smith

Association of Miglustat with Swallowing Outcomes in a Niemann-Pick Disease, Type C1 Natural History Study

University of San Diego (California)

Preceptor: Dr. Forbes Porter

#452. Katelin Teigen

The Effects of Exposure to Air Pollution during the Prenatal and Early-life Periods on Healthy Neurodevelopment in Children: Is a Systematic Review Warranted?

Colorado College (Colorado)

Preceptor: Dr. Alison Cernich

#453. Rebecca Telese, Rachel Luke

Purification of Neuronally Derived Exosomes for Biomarker Discovery in Neurodegenerative Diseases

Washington and Lee University (Virginia), Pennsylvania State University (Pennsylvania)

Preceptor: Dr. Niamh Cawley

#454. Daniel Tetreault

Characterization of B. burgdorferi sRNAs Detected by 5' and 3' RNA-Sequencing

Middlebury College (Vermont)

Preceptors: Dr. Philip Adams, Dr. Gisela Storz

#455. Garrett Tisdale

3D Ultrastructure of Blood Stage Malaria Parasites Revealed at 30 nm Isotropic Resolution

Boise State University (Idaho)

Preceptors: Dr. Joshua Zimmerberg, Dr. Matthias Garten

#456. Nicol Tugarinov

Investigating the Role of Melanocortin Receptor 3 (Mc3r) in the Liver

McGill University (Non-U.S.)

Preceptors: Dr. Jack Yanovski, Dr. Tusharkumar Patel

#457. Jessica Tung

Identifying Critical Legionella Virulence Factors Using a Multiplex Gene Silencing Approach

University of Texas at Arlington (Texas)

Preceptors: Dr. Matthias Machner, Dr. Nicole Ellis

#458. Nicole Wilkinson

Mapping the Interactions between USP7 and Pol eta

Case Western Reserve University (Ohio)

Preceptors: Dr. Nicholas Ashton, Dr. Roger Woodgate

#459. Julia Yerger

Development of a Murine Phenotypic Scoring System for Niemann-Pick Type C1

Washington and Lee University (Virginia)

Preceptors: Dr. Forbes Porter, Dr. Christopher Wassif

#460. Maxime Zamba-Campero

Characterization of Gene bb0268 in the Lyme Disease Spirochete, Borrelia burgdorferi

St. Mary's College of Maryland (Maryland)

Preceptors: Dr. Philip Adams, Dr. Gisela Storz

#461. Mengjie Zhu

IRF8 deficiency Drives Anxiety-like Behavior in a Sex-dependent Manner

University of California, Berkeley (California)

Preceptor: Dr. Keiko Ozato

National Institute on Drug Abuse (NIDA)

#462. Kelly Abshire

Association between Circulating Immunoglobulin A Levels, Alcohol Consumption and Childhood Trauma

University of Texas at Austin (Texas)

Preceptor: Dr. Lorenzo Leggio

#463. Fatumastar Adan

Adults Who Report Marijuana Use in the Past Month Have More Negative Perceptions of Their Neighborhood

St. Catherine University (Minnesota)

Preceptors: Dr. Jeremiah Bertz, Dr. Karran Phillips

#464. Megan Anderson

Photoactivation of Anterior Hypothalamic Circuitry Triggers Escape Behavior and Grooming in Mice

Virginia Polytechnic Institute and State University (Virginia)

Preceptors: Dr. Brenton Laing, Dr. Yeka Aponte

#465. Amanda Bacon

Neurochemical Effects of Oxytocin on Psychostimulant-induced Stimulation of Mesolimbic Dopamine

University of Texas at Dallas (Texas)

Preceptor: Dr. Gigi Tanda

#466. Lydia Bailey

Analysis of Neurochemical Effects of GET73 as a Potential Treatment for Substance Use Disorder

Vassar College (New York)

Preceptor: Dr. Gianluigi Tanda

#467. Megan Brenner

In vivo Labeling and Molecular Characterization of Active Neurons in the Infralimbic Cortex Using a Photo-activatable Calcium Integrator (CaMPARI2).

Rowan University (New Jersey)

Preceptors: Dr. Rajtarun Madangopal, Dr. Bruce Hope

#468. Erika Carlson

High Levels of Heroin and Fentanyl Induce Dose-dependent Respiratory Depression in Male and Female Rats

University of Illinois at Urbana-Champaign (Illinois)

Preceptors: Dr. Renata Marchette, Dr. Leandro Vendruscolo

#469. Meghan Carlton

Rewarding Effects of Ketamine Are Mediated through Opioid Receptors

University of Pittsburgh (Pennsylvania)

Preceptors: Dr. Jordi Bonaventura, Dr. Mike Michaelides

#470. Richard Cassidy

K⁺ Dysregulation and ER Proteostasis

Creighton University (Nebraska)

Preceptor: Dr. Brandon Harvey

#471. Jules Chabot

Choice Responding between Social Interaction and Different Doses of Remifentanyl in Rats

Wesleyan University (Connecticut)

Preceptors: Dr. Jonathan Chow, Dr. Yavin Shaham

#472. Ian Chambers

Corticotropin Releasing Factor Increases Excitability of Dorsal Raphe Glutamatergic Neurons

Rhodes College (Tennessee)

Preceptors: Dr. Jorge Miranda-Barrientos, Dr. Marisela Morales

#473. Emma Chen

Fear-induced Hypophagia Is Mediated by Lateral Hypothalamic Glutamatergic Inputs to the Ventral Tegmental Area

University of Pittsburgh (Pennsylvania)

Preceptors: Dr. Marisela Morales, Dr. Flavia Barbano

#474. Vicky Chuong

Antagonism of the Mineralocorticoid Receptor Reduces Binge-like Alcohol Drinking in Mice

University of Central Florida (Florida)

Preceptors: Dr. Lorenzo Leggio, Dr. Leandro Vendruscolo

#475. Sarah Claypool

Lack of Effect of Different Pain-related Manipulations on Opioid Self-administration, Reinstatement of Opioid Seeking, and Opioid Choice in Rats

University of Washington (Washington)

Preceptors: Dr. David Reiner, Dr. Yavin Shaham

#476. Jensine Coudriet

The Medial Septum's Response to Probabilistic Punishment

Westminster College (Pennsylvania)

Preceptors: Dr. Coleman Calva, Dr. Satoshi Ikemoto

#477. Madeline Crissman

Evaluation of the Functional Roles of PPAR alpha and PPAR gamma in Delta 9-THC's CNS Effects

American University (District of Columbia)

Preceptors: Dr. Briana Hempel, Dr. Guo-Hua Bi

#478. Olivia Drake

Molecular Characterization of Cocaine-relapse Ensemble Neurons in the Infralimbic Cortex Using Single Cell RNA Sequencing in Fos-mRFP Transgenic Rats

Juniata College (Pennsylvania)

Preceptors: Dr. Rajtarun Madangopal, Dr. Bruce Hope

#479. Sophie Elvig

Blood Alcohol Levels Are Influenced by a Ketogenic Diet

University of Colorado Boulder (Colorado)

Preceptor: Dr. Leandro Vendruscolo

#480. Lydia Erbaugh

Arcuate Hypothalamic AGRP Neurons Modulate mPFC Dynamics during Food Seeking

University of Virginia (Virginia)

Preceptor: Dr. Justin Siemian

#481. Maria Garcia

Waving through the Window: An Operant Model of Social Reward in Female Mice

Albright College (Maryland)

Preceptors: Dr. Leslie Ramsey, Dr. Bruce Hope

#482. John Gibbons

Establishing a Model of Nicotine Vapor Self-administration in Mice

Bucknell University (Pennsylvania)

Preceptors: Dr. Yosuke Arima, Dr. Satoshi Ikemoto

#483. Andy Guan

Counter-screening of DAT against hERG Using Machine Learning-based QSAR Models

University of Maryland, College Park (Maryland)

Preceptors: Dr. Lei Shi, Dr. Kuo Hao Lee

#484. Kenzie Himelein-Wachowiak

Addiction Language and Mental Health on the Nonsuicidal Self-injury Subreddit r/selfharm

Swarthmore College (Pennsylvania)

Preceptors: Dr. Salvatore Giorgi, Dr. Brenda Curtis

#485. Shireen Husami

Coping Style and Emotional Regulation Contribute to Drug Use More Than Family History or Community

University of Illinois at Urbana-Champaign (Illinois)

Preceptors: Dr. Chloe Jordan, Dr. Jeremiah Bertz

#486. Rachel Jun

Evolution of Neural Ensembles Encoding Reward and Punishment in mPFC-NAc projection

Johns Hopkins University (Maryland)

Preceptors: Dr. Da-Ting Lin, Dr. Yan Zhang

#487. Lacey Kennedy

Dynamic KDEL Receptor Expression Regulates Protein Homeostasis

University of Alabama (Alabama)

Preceptor: Dr. Brandon Harvey

#488. Benjamin Klein

Optogenetic Stimulation of the NAc-VTA GABAergic Pathway Is Rewarding and Potentiates Heroin Related Behavior

Miami University (Ohio)

Preceptor: Dr. Zheng-Xiong Xi

#489. Anyisia Lee

One Pandemic, Many Lenses: The Role of Psychosocial States and Social Interactions during COVID-19

Johns Hopkins University (Maryland)

Preceptors: Dr. David Epstein, Dr. Kirsten Smith

#490. Nishad Maggirwar

Characterization of a Transgenic Rat Model to Analyze in vivo HIV Neuropathogenesis

University of California, San Diego (California)

Preceptor: Dr. Brandon Harvey

#491. Pallavi Mannava

The Hypothalamic-Pituitary-Thyroid Axis and Alcohol and Substance Use Disorder: A Systematic Review

Ohio State University (Ohio)

Preceptors: Dr. Lorenzo Leggio, Dr. Daria Piacentino

#492. Shelby McGriff

Physiological Effects of Fentanyl Analogs Found in Street Drug Markets

University of Florida (Florida)

Preceptors: Dr. Michael Baumann, Dr. Charles Schindler

#493. Nithya Narayanan

Are CF fluorophores a Good Tool for Brain Mapping? An Example from a Retrograde Tracing Study

University of Pittsburgh (Pennsylvania)

Preceptor: Dr. Carlos Mejias-Aponte

#494. Joseph Nguyen

The iDISCO-SMART Pipeline for Whole Brain Activity Mapping following Incubation of Palatable Food Seeking

College of William & Mary (Virginia)

Preceptors: Dr. Rajtarun Madangopal, Dr. Yavin Shaham

#495. Marvellous Oke

Deep Behavior Mapping: Extracting Behavioral Variables from Video Data

Morgan State University (Maryland)

Preceptors: Dr. Alex Denman, Dr. Da-Ting Lin

#496. Daniel Olivares

Optimization of Flow Cytometry for Detecting Synaptic Alterations in Prefrontal Cortex to Nucleus Accumbens Synaptoneuroosomes after Cocaine

University of Maryland, Baltimore County (Maryland)

Preceptors: Dr. Francisco Rubio, Dr. Bruce Hope

#497. Ryan Palaganas

Nosepokes versus Lever Presses in Palatable Food Self-administration and Seeking Behavior in C57BL6 Mice

Rowan University (New Jersey)

Preceptors: Dr. Katherine Savell, Dr. Bruce Hope

#498. Sruti Pari

The Role of Endogenous Ghrelin System in the Rewarding and Motivational Effects of Oxycodone Studied in Rats

Dartmouth College (New Hampshire)

Preceptors: Dr. Eliot Gardner, Dr. Zhi-Bing You

#499. Ritvik Peesapati

Footshock-induced Abstinence from Compulsive Methamphetamine Self-administration Is Accompanied by Increased Hippocampal Expression of Cannabinoid Receptors (CB1 and CB2) in the Rat

University of Georgia (Georgia)

Preceptor: Dr. Jayanthi Subramaniam

#500. Saiprasad Ravi

Studying Signaling Bias of the CB1 Receptor and Its Potential Role in Synthetic Cannabinoid Toxicity

University of Maryland, Baltimore County (Maryland)

Preceptor: Dr. Lei Shi

#501. Jeff Rogers

Is Kratom the New Opioid Drug of American Suburbanites? Evidence From the NSDUH and an Online Convenience Sample

University of Arkansas (Arkansas)

Preceptors: Dr. David Epstein, Dr. Kirsten Smith

#502. Jenna Sanfilippo

The Effect of Alcohol, Substance Use Disorders and Behavioral Addictions on Vaccine Uptake: A Systematic Review of Human Studies

University of California, Santa Barbara (California)

Preceptor: Dr. Lorenzo Leggio

#503. Destiny Schriefer

Drug Use, Motivations, and Perceptions of Power among LGBTQ+ Adults

University of Maryland, College Park (Maryland)

Preceptor: Dr. David Epstein

#504. Courtney Sercander

Effects of Cocaine Use on Orbitofrontal-Dependent Economic Choice

Brooklyn College (New York)

Preceptor: Dr. Geoffrey Schoenbaum

#505. Abigail Smith

Ghrelin and Major Depression: A Systematic Review

University of Colorado Denver (Colorado)

Preceptors: Dr. Lorenzo Leggio, Dr. Gustavo Medeiros

#506. Chase Smitterberg

Evaluation of Stigmatizing Language towards People Who Use Drugs

Michigan State University (Michigan)

Preceptors: Dr. Brenda Curtis, Salvatore Giorgi

#507. Emilya Ventriglia

Investigating the Contributions of Striatal-projecting Zincergic Neurons in Drug-seeking Behaviors

University of California, San Diego (California)

Preceptors: Dr. Michael Michaelides, Dr. Oscar Solís Castrejon

#508. Kimberly Whiting

GLP-1 Receptor Agonism Does Not Alter Heroin-induced Analgesia or Heroin Withdrawal-induced Hyperalgesia

University of Georgia (Georgia)

Preceptors: Dr. Lorenzo Leggio, Dr. Leandro Vendruscolo

#509. Elizabeth Wilson

Temporal Dynamics of Functional Brain States Underlie Cocaine Dependence

University of North Carolina at Chapel Hill (North Carolina)

Preceptors: Dr. Yihong Yang, Dr. Tianye Zhai

#510. Clara Wolfe

Muscarinic M2 Receptor Control of Synaptic Function in the Lateral Habenula

Oberlin College (Ohio)

Preceptors: Dr. Alex Hoffman, Dr. Carl Lupica

#511. Prerna Yadav

Assessment of Analgesic and Hyperalgesic Treatments on Thermal Preference Behavior in Mice

Virginia Commonwealth University (Virginia)

Preceptors: Dr. Yeka Aponte, Dr. Justin Siemian

#512. Kenna Yadeta

Language Markers Predicting Addiction Treatment Drop-out

Drexel University (Pennsylvania)

Preceptors: Dr. Brenda Curtis, Dr. Tingting Liu

National Institute on Deafness and Other Communication Disorders (NIDCD)

#513. Sarah Allen

Ladybird Homeobox 2 (Lbx2) Transcription Factor Expression in the Development of Vestibular Hair Cells

Colgate University (New York)

Preceptor: Dr. Matthew Kelley

#514. Siani Barbosa

Sinonasal Squamous Cell Carcinoma: In vitro and in vivo Studies

Pennsylvania State University (Pennsylvania)

Preceptors: Dr. Nyall London, Dr. Anjali Nandal

#515. Grace Chaves

Development of GABAergic Synapses in the Cochlea

University of North Carolina at Chapel Hill (North Carolina)

Preceptor: Dr. Catherine Weisz

#516. Nicole Folan

Investigating Pro-survival Pathways That Prevent Drug-induced Hearing Loss

College of the Holy Cross (Massachusetts)

Preceptors: Dr. Lisa Cunningham, Dr. Melanie Barzik

#517. Rebecca Hipp

Characterization of Novel Hair and Supporting Cell Genes Absent in Atoh1 Mutants during Murine Cochlear Development

University of Notre Dame (Indiana)

Preceptors: Dr. Elizabeth Driver, Dr. Matthew Kelley

#518. Youji Hong

Pre-clinical Study of Locally Injected NHS-IL-12 in Syngeneic Models of Cancer

University of Washington (Washington)

Preceptor: Dr. Clint Allen

#519. Austin Huang

The Role of the Transcription Factor Emx2 in Cochlear Hair Bundle Establishment

Claremont McKenna College (California)

Preceptor: Dr. Doris Wu

#520. Alma Jukic

Formation of Sensory Cell Synapses

Colorado College (Colorado)

Preceptors: Dr. Katie Kindt, Ms. Katherine Pinter

#521. Alia Pederson

A Computational Model of Integration of Afferent Input onto Medial Olivocochlear Neurons

University of Texas at Austin (Texas)

Preceptor: Dr. Catherine Weisz

National Institute of Mental Health

#522. Anna Agron

A Comparison of Single- and Multi-echo Processing of fMRI Data during Overt Autobiographical Recall

University of Oregon (Oregon)

Preceptors: Dr. Alex Martin, Dr. Adrian Gilmore

#523. Savana Agyemang

Use of Transgenic Mice in the Study of Mental Disorders

University of Maryland, College Park (Maryland)

Preceptor: Dr. Scott Young, Dr. Adi Cymerblit-Sabba

#524. Grace Anderson

Reduced Emotional Reactivity during Mood Induction Associated with Anhedonia and Ventral Striatum Activity in a Depressed Sample

Wake Forest University (North Carolina)

Preceptors: Dr. Jessica Gilbert, Dr. Elizabeth Ballard

#525. Camille Archer

Associations of Negative Parent Affect and Behaviors on Youth Irritability

Vanderbilt University (Tennessee)

Preceptors: Dr. Julia Linke, Dr. Ellen Leibenluft

#526. Stuti Bansal

Polygenic Contributions to Dopamine Synthesis in the Putamen in vivo

University of California, Berkeley (California)

Preceptors: Dr. Daniel Eisenberg, Dr. Karen Berman

#527. Alison Bashford

Acute Stress Alters Circadian Activity via a Paraventricular Thalamus to Suprachiasmatic Nucleus Pathway

Muhlenberg College (Pennsylvania)

Preceptors: Ms. Claire Gao, Dr. Mario Penzo

#528. Lindsey Becker

How Do 3-year-olds Do on the NIH Toolbox Cognitive Subtests?

Colgate University (New York)

Preceptors: Dr. Audrey Thurm, Dr. Emma Condy

#529. Rachel Bernstein

Examining Measures of Behavioral Inhibition and their Associations with Anxiety Disorders

University of Michigan (Michigan)

Preceptor: Dr. Santiago Morales

#530. Rebecca Bhik-Ghanie

Using fMRI to Map the Spontaneous Activity of Single Neurons

Bard College at Simon's Rock (Massachusetts)

Preceptors: Dr. David Leopold, Dr. Daniel Zaldivar

#531. Kush Brahmhatt

Pharmacology of Compounds That Modulate TAAR1-mediated Rho Signaling: Relationship to the Dopamine Transporter

Rice University (Texas)

Preceptors: Dr. Susan Amara, Dr. Suzanne Underhill

#532. Berron Brown

Longitudinal Trajectories of Irritability and Depressive Symptoms in Clinically Referred Youth: The Role of Experimentally-induced Frustration

Georgia State University (Georgia)

Preceptors: Dr. Katharina Kircanski, Dr. Ellen Leibenluft

#533. Darcy Campbell

HNK-Related Metabolites and Suicidal Ideation Response to Ketamine

Georgetown University (District of Columbia)

Preceptor: Dr. Elizabeth Ballard

#534. Madeline Carrington

Human Similarity Judgements of Appetizing Foods Include Estimates of Sweetness and Caloric Density

Duke University (North Carolina)

Preceptors: Dr. Alex Martin, Dr. Jason Avery

#535. Dennis Carter

Disparities in Genetic Testing among Children with Neurodevelopmental Conditions

University of Maryland University College (Maryland)

Preceptor: Dr. Audrey Thurm

#536. Sanne Casello

Characterization of Dynorphin-containing Neurons in the Medial Prefrontal Cortex

University of Washington (Washington)

Preceptor: Dr. Hugo Tejeda

#537. Joseph Cesare

Neuregulin 1 Regulates Axonal Alpha-7 Nicotinic Acetylcholine Receptor Expression in Hippocampal Neurons by PI3K/AKT/mTOR Mechanism Signaling

University of Wisconsin - Madison (Wisconsin)

Preceptors: Dr. David Talmage, Dr. Prithviraj Rajebhosale

#538. Srila Chadalavada

The Role of the Caudate Nucleus in Within-session Visual Discrimination Learning

Kenyon College (Ohio)

Preceptors: Dr. Barry Richmond, Dr. Janita Turchi

#539. Michaela Cooke

Characterization of the Fasciola Cinereum

Dartmouth College (New Hampshire)

Preceptors: Dr. Su Hyun Lee, Dr. Scott Young

#540. Sam Dahlke

Beyond PKA: cAMP-dependent GLP-1 Receptor Signaling to ERK Requires NCS-RapGEF2

Grinnell College (Iowa)

Preceptors: Dr. Lee Eiden, Dr. Wenqin Xu

#541. Riya Dange

Understanding Neural Variability in Schizophrenia: Genetic and Clinical Predictors of Face Processing in the Amygdala

Duke University (North Carolina)

Preceptors: Dr. Karen Berman, Dr. Daniel Eisenberg

#542. Joseph Denning

Mapping the Mental Representations of Abstract Words

University of Kansas (Kansas)

Preceptors: Dr. Alex Martin, Dr. Andrew Persichetti

#543. Allison DePuyt

Interferon-mediated Neutrophil Migration to the Blood-Brain Barrier following Chronic Stress

Colgate University (New York)

Preceptors: Dr. Stacey Kigar, Dr. Miles Herkenham

#544. Kelly Dombek

Threat Approach Responses Associated with Irritability in a Transdiagnostic Youth Sample

University of Maryland, College Park (Maryland)

Preceptors: Dr. Melissa Brotman, Dr. Reut Naim

#545. Taylor Drazan

Neuroimaging Analysis of the Marmoset Maternal Brain

University of Iowa (Iowa)

Preceptors: Dr. Yogita Chudasama, Dr. Katherine Cole

#546. Andrea E Gouvea

The Genetics of Pubertal Timing: 7q11.23 CNVs, Age at Menarche, and the Relation of Predicted STAG3L2 Expression to Gray Matter Volume

Northwestern University (Illinois)

Preceptors: Dr. Shau-Ming Wei, Dr. Karen Berman

#547. Lillian Eisner

Relationships between Gender Identity, Sexual/Romantic Attraction, and Depressive Symptoms in Teens

Dartmouth College (New Hampshire)

Preceptor: Dr. Argyris Stringaris

#548. Abigail Emich, Lauren Thomas

Examining Associations between the COVID-19 Pandemic and Mental Health Symptoms in Adults with Anxiety and Depressive Disorders

University of Minnesota, Twin Cities (Minnesota), University of Miami (Florida)

Preceptors: Dr. Monique Ernst, Dr. Christian Grillon

#549. Sarah Ethridge

The Representation of Intellectual Disability in Developmental Disabilities Research

Davidson College (North Carolina)

Preceptor: Dr. Audrey Thurm

#550. Leah Etensohn

Exploring the Mental Representation of Observed Grasp Movements Based on Similarity Judgements

Carnegie Mellon University (Pennsylvania)

Preceptors: Dr. Maryam Vaziri-Pashkam, Dr. Chris Baker

#551. Isabel Fernandez

Exploration of Dynamic Functional Connectivity in the Transition from Wake to Sleep

American University (District of Columbia)

Preceptor: Dr. Javier Gonzalez-Castillo

#552. Elyssa Feuer

Effect of Stimulus Frequency on Ictal EEG Characteristics in Electroconvulsive Therapy and Magnetic Seizure Therapy with Individualized Current Amplitude

Hamilton College (New York)

Preceptors: Dr. Zhi-De Deng, Dr. Sarah Lisanby

#553. Katherine Foray

Effects of Hobby and Activity Level on Time Perception and Sense of Identity during the SARS-CoV-2 Pandemic

University of North Carolina at Chapel Hill (North Carolina)

Preceptors: Dr. Christian Grillon, Dr. Monique Ernst

#554. Payton Fors

Mood and Behavior of Depressed Adolescents throughout the COVID-19 Pandemic

Washington University in St. Louis (Missouri)

Preceptor: Dr. Argyris Stringaris

#555. Jordan Galbraith

Identifying a Psychophysiological-Neural Signature of Aberrant Threat Anticipation in Pediatric Anxiety

Vanderbilt University (Tennessee)

Preceptor: Dr. Rany Abend

#556. Joshua Garcia

iPSC Derived Cellular Modeling of Lithium Response in Bipolar Disorder

Goshen College (Indiana)

Preceptor: Dr. Francis McMahon

#557. Alison Gibbons

Evaluating the Relationship between Patient Probability Scores and Mental Health Outcomes during the COVID-19 Pandemic

Haverford College (Pennsylvania)

Preceptor: Dr. Joyce Chung

#558. Krithi Gopalan

Rescue by Exogenous Astrocytes of Neuronal Growth and Synaptic Deficits in Neurons Carrying a Duplication on Chromosome 16p11.2 Associated with Neurodevelopmental and Psychiatric Disorders

Boston University (Massachusetts)

Preceptors: Dr. Francis McMahon, Dr. Xueying Jiang

#559. Lisa Gorham

Predictive Ability of Psychiatric Family History on Longitudinal Outcomes in Adolescents With MDD

Washington University in St. Louis (Missouri)

Preceptors: Dr. Neda Sadeghi, Dr. Argyris Stringaris

#560. Alexander Hay

The Impact of Emotional Valence on Visual Responses in the Monkey Amygdala and Cortical Face Patches

University of Rochester (New York)

Preceptors: Dr. David Leopold, Dr. Susheel Kumar

#561. Brendan Hines

Dopaminergic Innervation of the Prefrontal Cortex in the Rhesus Monkey

State University of New York at Geneseo (New York)

Preceptors: Dr. Elisabeth Murray, Dr. Mark Eldridge

#562. Oliver Holmes

Coding Social Behavior during the Visualization of CA2 Hippocampal Pyramidal Neurons

Connecticut College (Connecticut)

Preceptors: Dr. Adi Cymerblit-Sabba, Dr. W. Scott Young

#563. Miriam Janssen, Christopher LeWarne

Hierarchical Reinforcement Learning and Execution of Motor Sequences: A Review

University of Maryland - A. James Clark School of Engineering (Maryland), Creighton University (Nebraska)

Preceptor: Dr. Bruno Averbeck

#564. Brandon Kelly

Longitudinal Single-cell Recordings in the Macaque Amygdala

University of North Carolina at Chapel Hill (North Carolina)

Preceptors: Dr. David Leopold, Dr. Kenji Koyano

#565. Bruny Kenou

Non-invasive Neuroimaging of Orexin Receptors Using PET

Duke University (North Carolina)

Preceptors: Dr. Xeufeng Yan, Dr. Robert Innis

#566. Dowon Kim

Analysis of Ligand-receptor Communication in snRNAseq of the Cerebral Cortex

Brown University (Rhode Island)

Preceptor: Dr. Stefano Marenco

#567. June Hee Kim

Arousal and Stimulus Evoked Pupillary Responses

Wellesley College (Massachusetts)

Preceptors: Dr. Zvi Roth, Dr. Elisha Merriam

#568. Morgan Kindel

Glutamatergic Transmission in the Midline Thalamus Modulates Coping Behaviors.

Chapman University (California)

Preceptor: Dr. Mario Penzo

#569. Kenyone King

Using Bioluminescence Resonance Energy Transfer (BRET) to Detect Rho GTPase Activation

University of Maryland, College Park (Maryland)

Preceptors: Dr. Susan Amara, Dr. Suzanne Underhill

#570. Malaz Kreiker

Central Amygdala Inhibitory Feedback Selectively Targets Micro-circuit in the Midline Thalamus

Drake University (Iowa)

Preceptors: Dr. J.J. O'Malley, Mr. Mario Penzo

#571. Devi Lakhlani

Associations between Working Memory, Psychopathology, and Sleep in Children Aged 10 to 16 Years Old

Duke University (North Carolina)

Preceptor: Dr. Andre Zugman

#572. Kaylin Langer

Longitudinal Trajectories of Gray Matter Volume Asymmetry in Children with Williams Syndrome

University of Wisconsin - Madison (Wisconsin)

Preceptor: Dr. Karen Berman

#573. Madison Lotstein

Strategies for Enriching Neurovascular Nuclei from Postmortem Human Brain for Single Nucleus Seq (snSeq)

Middlebury College (Vermont)

Preceptor: Dr. Michael Lehmann

#574. Nathan Lowry

Non-suicidal Self-injury and Suicide Risk among Adult Medical Inpatients

Iona College (New York)

Preceptor: Dr. Lisa Horowitz

#575. Alyssa Luz-Ricca

Visualizing and Manipulating Neurons in the Reward Circuit Based on Their Co-Projections

College of William & Mary (Virginia)

Preceptor: Dr. Walter Lerchner

#576. Bridget Mahony

IQ Moderates Coupling between Diverse Dimensions of Psychopathology in Children and Adolescents

Emory University (Georgia)

Preceptor: Dr. Armin Raznahan

#577. Ajitha Mallidi

The Affective Reactive Index: Parent-Youth Reporting Discrepancy, Informant Effects, and Test-Retest Reliability

University of California, Berkeley (California)

Preceptor: Dr. Julia Linke

#578. Lester Manly

Aspirin Distribution in Humans Is Attenuated by Rapid Plasma Metabolism: A PET Study Using a COX-1 Radioligand

University of North Florida (Florida)

Preceptors: Dr. Sami Zoghbi, Dr. Robert Innis

#579. Ryesa Mansoor

Topographical Distribution of Audiovisual Processing within the Human Superior Temporal Sulcus

University of North Carolina at Chapel Hill (North Carolina)

Preceptor: Dr. Yuhui Chai

#580. Patrick Markwalter

Modulation of Visual Search in Naturalistic Scenes by Target Shape Templates

University of Pennsylvania (Pennsylvania)

Preceptors: Dr. David Leopold, Dr. Harish Katti

#581. Hannah Martin

The Role of Hippocampal Adult Neurogenesis in a Platform-mediated Avoidance Task

Agnes Scott College (Georgia)

Preceptors: Dr. Heather Cameron, Dr. Adam Swiercz

#582. Daxx Medina

Characterization of Novel Transgenic Mice in The TAAR1 Receptor and EAAT3 Transporter

University of Texas at El Paso (Texas)

Preceptors: Dr. Susan Amara, Dr. Suzanne Underhill

#583. Marisa Meyer

Examining the Relationship between Avoidance Motivation and Self-efficacy on Posttreatment Anxiety

University of Michigan (Michigan)

Preceptors: Dr. Daniel Pine, Dr. Anita Harrewijn

#584. Gabrielle Michel

Associations of Aggression and Self-harm Behaviors with Cardiac-related Polygenic Scores in a Large Schizophrenia Sample

American University (District of Columbia)

Preceptors: Dr. Dwight Dickinson, Dr. Karen Berman

#585. Nanami Miyazaki

Custom Microinjector Arrays Efficiently Deliver Viral Vectors to Cortical Areas in Rhesus Monkey Brain

Purdue University (Indiana)

Preceptors: Dr. Barry Richmond, Dr. Mark Eldridge

#586. Isaac Morales

The Impact of Childhood Resources on Pediatric Anxiety

Johns Hopkins University (Maryland)

Preceptors: Dr. Anita Harrewijn, Dr. Daniel Pine

#587. Annabelle Mournet

Screening Youth for Suicide Risk: Examining the Ask Suicide-screening Questions (ASQ) across Racial/Ethnic Populations

University of Rochester (New York)

Preceptor: Dr. Lisa Horowitz

#588. Oriana Myers

Polygenic Resilience and Schizophrenia Risk

University of Missouri (Missouri)

Preceptors: Dr. Karen Berman, Dr. Daniel Eisenberg

#589. Julia Napoli

Friend or Foe? Associations between Computational Mechanisms of Human Threat Learning, Anxiety and Neuroanatomy.

Boston College (Massachusetts)

Preceptor: Dr. Bruno Averbeck

#590. Lynn Nguyen

Associations between Youth Irritability, Positive Parenting, and Parental Traits

Grinnell College (Iowa)

Preceptors: Dr. Julia Linke, Dr. Ellen Leibenluft

#591. Stephany Nti

Eye Tracking in Marmosets during Active Viewing of Visual Stimulus

West Virginia University (West Virginia)

Preceptors: Dr. Soo Hyun Park, Dr. David Leopold

#592. Amanda Patterson

Activation of Macaque Body Patches to Emotional Body Language

Virginia Polytechnic Institute and State University (Virginia)

Preceptors: Dr. Jessica Taubert, Dr. Chris Baker

#593. Anna Pearson

Developing a Home Cage-compatible Operant Chamber for the Common Marmoset (Callithrix jacchus)

DePauw University (Indiana)

Preceptors: Dr. Denis Matrov, Dr. Vladimir Visockis, Dr. Yogita Chudasama

#594. Pierce Perkins

Neuronal Density in the Full Macaque Brain: A Histological and Computational Approach

Morgan State University (Maryland)

Preceptor: Dr. Adam Messinger

#595. Claire Punturieri

Optimizing a Reward-based Neuroimaging Task for Clinical Drug Trials

McGill University (Non-U.S.)

Preceptors: Dr. Jennifer Evans, Dr. Carlos Zarate, Jr.

#596. Karen Qi

Using Natural Language Processing to Predict Psychiatric Diagnoses Based on Patient Self-reports

Rice University (Texas)

Preceptors: Dr. Argyris Stringaris, Dr. Dylan Nielson

#597. Naria Quazi

Longitudinal Investigation of the Relationship between Hippocampal Volume and Hippocampal Brain-derived Neurotrophic Factor (BDNF) Expression across Development

University of California, Berkeley (California)

Preceptors: Dr. Karen Berman, Dr. Peter Schmidt

#598. Grace Ringlein

Exploring the Relationship between sMRI and Psychopathology via k-means Clustering

University of Pennsylvania (Pennsylvania)

Preceptors: Dr. Andre Zugman, Dr. Daniel Pine

#599. Beth Rispoli

Don't Crack under Pressure: Learning to Finely Grasp Mechanical eggs Using a Myoelectric Robotic Arm

Carnegie Mellon University (Pennsylvania)

Preceptor: Dr. Chris Baker

#600. Sara Rubovits

[11C](R)-NR2B-Me Is Selective for the GluN2B Subunit of the NMDA Receptor in vitro but Not in vivo

Mount Mary University (Wisconsin)

Preceptor: Dr. Robert Innis

#601. Joshua Samuels

Isolating Rare Neurovascular Cells for Single-cell RNA-Seq (scRNA-Seq)

Washington College (Maryland)

Preceptors: Dr. Michael Lehmann, Dr. Miles Herkenham

#602. Maeve Sargeant

Exploring Visual-feature Binding of Face and Body in the Context of Perceiving Emotional Expression

Saint Joseph's University (Pennsylvania)

Preceptor: Dr. Kunjan Rana

#603. Josef Scheidt

A Possible Role for Divisive Normalization in the Primate Value-Reward Circuit by Neurons

Co-projecting to Orbitofrontal Cortex and Rostromedial Caudate

Case Western Reserve University (Ohio)

Preceptors: Dr. Barry Richmond, Dr. Walter Lerchner

#604. Carolyn Senneca

Optogenetic Activation of Galanin-containing Neurons Modulates Impulse Control

Colgate University (New York)

Preceptors: Dr. Yogita Chudasama, Dr. Fany Messanvi

#605. Shannon Shaughnessy

Preliminary Validation and Initial Findings from a Novel Application to Assess Inhibitory Control

University of Michigan (Michigan)

Preceptor: Dr. Melissa Brotman

#606. Jacob Shaw

Longitudinal Study of Cognition in Survivors of COVID-19: Baseline Measures of Neurocognitive Performance and Psychiatric Comorbidity

Stanford University (California)

Preceptor: Dr. Joyce Chung

#607. Maya Smith

Reversible Silencing of Primary Visual Cortex with a Chemogenetic System in the Monkey

Swarthmore College (Pennsylvania)

Preceptor: Dr. Mark Eldridge

#608. Katherine Soderberg

Neural Activation in the Dorsal Visual Processing Stream Is Context-dependent in Williams Syndrome

Yale University (Connecticut)

Preceptors: Ms. Tiffany Nash, Dr. Karen Berman

#609. Isabella Spaulding

Associations among Prior Life Stress, Neuroanatomy, and Physiological Response to Threat in Youth with Anxiety Disorders

Tufts University (Massachusetts)

Preceptors: Dr. Rany Abend, Dr. Daniel Pine

#610. Jake Sypniewski

Triarylselenonium Salts: A New Class of Precursor for Radiofluorination

Kalamazoo College (Michigan)

Preceptors: Dr. Fabrice Siméon, Dr. Victor Pike

#611. Jeremy Taigman

Understanding Anhedonia through Childhood Social Cognition

University of Michigan (Michigan)

Preceptors: Dr. Janani Prabhakar, Dr. Argyris Stringaris

#612. Michelle Theodory

The Role of Age, Sex, and Pubertal Status in Patterns of Physical Activity and Sleep across Adolescence

University of Edinburgh (Non-U.S.)

Preceptors: Dr. Kathleen Merikangas, Dr. Diana Paksarian

#613. Martina Thurman

Identifying Cells Types That Modulate Circadian Photoentrainment and Gaze Control in the Ventral Lateral Geniculate Nucleus

Northwestern University (Illinois)

Preceptors: Dr. Samer Hattar, Dr. Corinne Beier

#614. Zachary Trevorrow

Structural Characteristics of White Matter Adjacent to the Intraparietal Sulcus in Children with Williams Syndrome

Tufts University (Massachusetts)

Preceptors: Ms. Tiffany Nash, Dr. Karen Berman

#615. Carleigh Turner

Adrenergic Specific Modulation of Risky Decision-making.

Chicago School of Professional Psychology (Illinois)

Preceptor: Dr. Vladimir Visockis

#616. Malcolm-Christopher Udeozor

Becoming a Skywalker: Learning to Control a New (Artificial) Body-part

Carnegie Mellon University (Pennsylvania)

Preceptors: Dr. Christopher Baker, Mr. Hunter Schone

#617. Caroline Ugoaru

Characterization and Comparison of Human and Marmoset ACE2 Gene and Protein

Howard University (District of Columbia)

Preceptors: Dr. James Pickel, Dr. Bala Susarla

#618. Somachukwu Umeozulu

Optimizing the Production of the Cyclooxygenase-2 Radioligand [¹¹C]TMI Using an Automated Synthia Apparatus

University of Maryland, College Park (Maryland)

Preceptors: Dr. Victor Pike, Dr. Fabrice Simeon

#619. Maia Van Buskirk

Development of a Long-lived ¹⁸F Radioligand for PET Imaging of Translocator Protein (TSPO) in All Genotypes

Colgate University (New York)

Preceptor: Dr. Robert Innis

#620. Angela Wang

Localizing the Amygdalar Response to Emotional Faces Using Meg Adaptive Beamforming

University of California, Los Angeles (California)

Preceptor: Dr. Allison Nugent

#621. Tenley Weil

Light-mediated Mood Regulation through Thalamic Networks

University of Washington (Washington)

Preceptor: Dr. Diego Fernandez

#622. Emily Weiss

Attentional Biases in Anxious and Healthy Groups during the COVID-19 Pandemic

University of Wisconsin - Madison (Wisconsin)

Preceptors: Dr. Monique Ernst, Dr. Christian Grillon

#623. Stephen Wisser

Whole Mouse Brain cFos Expression Mapping of Acute Nociceptive Stimuli: Implementation of a Pipeline for Clearing, Labeling, Imaging, and Analysis

Hamilton College (New York)

Preceptors: Dr. Ted Usdin, Dr. Sarah Williams Avram

#624. Pauline Wonenberg

Using Fast-scan Cyclic Voltammetry to Assess the Actions of Dopamine and Its Metabolites on Dopamine Transporter Function

American University (District of Columbia)

Preceptors: Dr. Susan Amara, Dr. Suzanne Underhill

#625. Ellie Xu

Dynamic Reconfiguration of Brain Network Architecture following Frustration Is Associated with Youth Irritability

University of Chicago (Illinois)

Preceptor: Dr. Julia Linke

#626. Jean Ye

Longitudinal Trajectories of Brain Activation during Face Processing in Children with Williams Syndrome

University of California, Berkeley (California)

Preceptor: Dr. Karen Berman

#627. Andrea Zhang

11C-MC1 Has Adequate Sensitivity to Measure Low Density Cyclooxygenase 2 (COX-2) in Healthy Human Brain

Vanderbilt University (Tennessee)

Preceptor: Dr. Robert Innis

Thursday, April 29, 2021

National Center for Advancing Translational Sciences (NCATS)

#628. Layla Al-Zubi

Identifying Synergistic Cisplatin-small Molecule Drug Combinations in Ovarian Cancer Using High-throughput Matrix Screening

Johns Hopkins University (Maryland)

Preceptors: Dr. Matt Hall, Ms. Dorian Cheff

#629. Brianna Brooks

Repurposing a Medicine to Enhance Genomic Incorporation for AAV Gene Therapy

Wake Forest University (North Carolina)

Preceptor: Dr. Catherine Chen

#630. Ryan Cheng

Developing a High-throughput Screen for Succinyl-CoA Synthetase Inhibitors to Target Metabolic Abnormalities in Glioblastoma Multiforme

University of California, Los Angeles (California)

Preceptors: Dr. Mahesh Aitha, Dr. James Inglese

#631. Tony Choe

A Biophysical Approach to Elucidate Mechanisms of Action of SARS-CoV-2 Cytopathic Effect Inhibitors

University of Georgia (Georgia)

Preceptor: Dr. Bolormaa Baljinnyam

#632. Elizabeth Croll

Discovery of Dual IRAK/FLT3 Inhibitors for the Treatment of MDS and AML

Macalester College (Minnesota)

Preceptor: Dr. Scott Hoyt

#633. Danielle Davis

Development of Modulators of TorsinA Protein Mislocalization for the Treatment of DYT1 Dystonia

University of North Carolina at Asheville (North Carolina)

Preceptor: Dr. Samarjit Patnaik

#634. Natalie Hagen

Development of UPLC-MS/MS Methods and Quantitation of Eight Potential Heparan Sulfate Inhibitors

Drake University (Iowa)

Preceptor: Dr. Amy Wang

#635. Hunter Larson

A High-throughput Platform for Identifying Ubiquitin-Protease Inhibitors to Promote AR/ER Degradation in Hormone-dependent Cancers

James Madison University (Virginia)

Preceptor: Dr. Natalia Martinez

#636. Lucas Myint

ML321 SAR on Thiophene

University of Illinois at Chicago (Illinois)

Preceptor: Dr. Andres Garcia

#637. Bruce Nguyen Tran

The SARS-CoV-2 Cytopathic Effect Is Blocked by Lysosome Alkalizing Small Molecules

Johns Hopkins University (Maryland)

Preceptors: Dr. Kirill Gorshkov, Dr. Wei Zheng

#638. Taylor Niehoff

Identification of Myc Oncogene Translation Inhibitors Using a High-throughput GFP Reporter Assay

Georgia Institute of Technology (Georgia)

Preceptor: Dr. Stephen Kales

#639. Ashley Owens

Development of a High-throughput Immunoblot Based Cellular Thermal Shift Assay to Evaluate Target Engagement

Johns Hopkins University (Maryland)

Preceptor: Dr. Mark Henderson

#640. Alex Renn

Development and Characterization of Novel Neutralizing Nanobodies against SARS-CoV-2 Coronavirus

University of California, Berkeley (California)

Preceptors: Dr. Bryan Fleming, Dr. Anton Simeonov

#641. Esther Sim

3D Biofabrication of a Vascularized Omentum Model for Ovarian Cancer Metastasis Drug Screening

Arizona State University (Arizona)

Preceptors: Dr. Min Jae Song, Dr. Marc Ferrer

#642. Ainslie Tisdale

The IDeas Initiative: Pilot Study to Assess the Impact of Rare Diseases on Patients and Healthcare Systems

University of Texas at Austin (Texas)

Preceptors: Dr. Ann Knebel, Dr. Anne Pariser

#643. Leah Wachsmuth

Development of a High-throughput Screening Assay Using RAW264.7 Cells to Identify Small Molecule Modulators of Tumor Associated Macrophages

Dickinson College (Pennsylvania)

Preceptor: Dr. Mark Henderson

#644. Allen Wang

Demonstrating a Matrix Screening Approach to Identify a Synergistic Combination between a Nodal Targeting Antibody and a Small Molecule

University of Pittsburgh (Pennsylvania)

Preceptor: Dr. Matthew Hall

#645. Jordan Williams

Using in vitro and in silico ADME Screening to Select Lead Candidates: Metarrestin Backup Case Study

Boise State University (Idaho)

Preceptors: Dr. Pranav Shah, Dr. Xin Xu

#646. Edward Zhu

Automated Tandem Mass Spectrometry Assay to Quantify Cellular Cholesterol Levels for High-throughput Screening for Niemann-Pick Disease Type C

Washington University in St. Louis (Missouri)

Preceptors: Dr. Mark Henderson, Dr. Bolormaa Baljinnyam

National Eye Institute (NEI)

#647. Daniel Brock

Characterization of the Novel Mitochondrial Deglycase GATD3A

University of Washington (Washington)

Preceptor: Dr. Anand Swaroop

#648. Charles DeYoung

Tyrosinase Deficient Human Retinal Pigment Epithelium Exhibits Down-regulated Autophagy

Vanderbilt University (Tennessee)

Preceptors: Dr. Aman George, Dr. Brian Brooks

#649. Taylor Flaherty

Foveal Morphology in Williams Syndrome: Optical Coherence Tomography Analysis

Colgate University (New York)

Preceptor: Dr. Laryssa Huryn

#650. Lior Levy

The Role of Rod Phototransduction in Determining Visually Guided Behavioral Threshold

Johns Hopkins University (Maryland)

Preceptors: Dr. Johan Pahlberg, Dr. Ulisse Bocchero

#651. Emily Meyer

An Unsupervised Characterization of Eye Measurements Linked to Behavior Emphasizes Microsaccades

Tulane University (Louisiana)

Preceptor: Dr. Hendrikje Nienborg

#652. William Montgomery

A Critical CTCF Binding Site of the Ifng-Il22 Locus Specifies and Fine-tunes Cytokine Expression and Immune Response

Pomona College (California)

Preceptors: Dr. Han-Yu Shih, Dr. Chunhong Liu

#653. Shabnam Parsa

Targeted Expression of Amelotin in the Retinal Pigment Epithelium as a Model for Age-related Macular Degeneration

University of Maryland, Baltimore County (Maryland)

Preceptors: Dr. Graeme Wistow, Dr. Jianguo Fan

#654. Laura Patak

Investigating the Role of Microglia in the Developing Zebrafish Retina

Colgate University (New York)

Preceptor: Dr. Juan Angueyra

#655. Milan Patel

In silico Characterization of Tyrp1 Molecular Docking and Associated OCA3 Mutants

Johns Hopkins University (Maryland)

Preceptor: Dr. Yuri Sergeev

#656. Lauren Reich

Gene Regulation in CNS-resident Lymphocytes during Aging and Neuroinflammation

University of Delaware (Delaware)

Preceptor: Dr. Han-Yu Shih

#657. Paul Varghese

Tyrosinase Immobilized to Ni-NTA Magnetic Beads Shows Improved Protein Thermostability

University of Virginia (Virginia)

Preceptors: Dr. Yuri Sergeev, Dr. Monika Dolinska

#658. Samuel Wachamo

Characterization of Temperature-dependent Kinetics of Oculocutaneous Albinism-causing Mutants of Tyrosinase

University of Virginia (Virginia)

Preceptors: Dr. Yuri Sergeev, Dr. Monika Dolinska

National Heart, Lung, and Blood Institute (NHLBI)

#659. Peter Ajayi

Structural Capacity for Lateral and Longitudinal Force Transmission in Skeletal Muscles

Cornell University (New York)

Preceptors: Dr. Brian Glancy, Dr. Brad Willingham

#660. Gregory Alspaugh

DecayLib: A Software Library for Robust Fluorescence Lifetime Analysis

Davidson College (North Carolina)

Preceptor: Dr. Jay Knutson

#661. Helena Bui

An Integrative Genomic Approach Identifies Soluble Receptor of Advanced Glycation End Products as a Putatively Causal Protein for Asthma

Yale University (Connecticut)

Preceptors: Dr. Daniel Levy, Dr. Amena Keshawarz

#662. Saida Coreas

Acculturation, Segmented Assimilation, and Incident Diabetes and Hypertension in Hispanics/Latinos: Results from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL)

California State University, Los Angeles (California)

Preceptors: Dr. Eliseo Perez-Stable, Dr. Erik Rodriguez

#663. Kaveri Curlin

Qualitative Interviews for User-centered Design Approach to Step It Up, a Physical Activity Application

Yale University (Connecticut)

Preceptor: Dr. Tiffany Powell-Wiley

#664. David Eik

BTK Inhibition Improves the T Cell Cytotoxic Response to a CD19/CD3 Bispecific Antibody in vitro by Downregulating Immunosuppressive Regulators in Chronic Lymphocytic Leukemia

Colorado College (Colorado)

Preceptors: Dr. Adrian Wiestner, Dr. Maissa Mhibik

#665. Joseph Grech

Effects of Depression and Antidepressant Use on Platelet Reactivity Traits

Michigan State University (Michigan)

Preceptor: Dr. Andrew Johnson

#666. Jamie Harris

Lnc-ing PPAR γ to NASH Fibrosis: Identifying PPAR γ Regulating LncRNAs Involved in Hepatic Stellate Cell Activation

Duke University (North Carolina)

Preceptor: Dr. Yonghe Ma

#667. Michael Harris

Ogfod1 Ablation Alters Pfkfb4 Splicing, Increases Antioxidant Levels, and Protects against Ischemia-Reperfusion Injury

Boston College (Massachusetts)

Preceptors: Dr. Leslie Kennedy, Dr. Elizabeth Murphy

#668. Jack Herrick

A CD3/CD20 Bispecific Antibody Induces in vitro T-Cell Mediated Lysis of Chronic Lymphocytic Leukemia Cells from Treatment-naïve and BTKi-treated Patients

Colgate University (New York)

Preceptor: Dr. Adrian Wiestner

#669. Vincent Hou

Investigating Lipid Metabolism in a Cardiac Specific PPAR-alpha Knockout Model

Johns Hopkins University (Maryland)

Preceptors: Dr. Natasha Fillmore, Dr. Elizabeth Murphy

#670. Loveth Igbneweka

Inhibitors of Transcription Have Off-target Effects on Translation and RNA Decay

Medgar Evers College (New York)

Preceptors: Dr. Robert Hogg, Dr. Nazmul Haque

#671. Djelika Kabore

The Evaluation of Clonal Hematopoiesis in Patients with Sickle Cell Disease Receiving Curative Therapies

Virginia Polytechnic Institute and State University (Virginia)

Preceptors: Dr. Courtney Fitzhugh, Dr. Xin Xu

#672. Jeerthi Kannan, Liza Mathews

CAISC: A Software to Integrate Copy Number Variation and Single Nucleotide Mutations for Genetic Heterogeneity Profiling and Subclone Detection by Single-cell RNA Sequencing

University of Rochester (New York), Johns Hopkins University (Maryland)

Preceptors: Dr. Shouguo Gao, Dr. Neal Young

#673. Rachel Kim

SHAN-seq: A Sequencing Tool to Map Cleavage Sites of Type II Topoisomerases

Wellesley College (Massachusetts)

Preceptors: Dr. Shannon McKie, Dr. Keir Neuman

#674. Elise Kronquist

Adults with Williams Syndrome and Elastin Insufficiency Exhibit Features of Obstructive Lung Disease

University of Oregon (Oregon)

Preceptor: Dr. Beth Kozel

#675. Amy Lin

The Immunomodulatory Effects of NAD⁺ Precursor Nicotinamide Riboside in Myeloid Cells

University of Wisconsin - Madison (Wisconsin)

Preceptor: Dr. Jing Wu

#676. Katherine Lipsius

NGF/Wnt5a Axis Regulates Sympathetic Collateral Branching to Innervate Arteries

University of Maryland Eastern Shore (Maryland)

Preceptor: Dr. Yosuke Mukoyama

#677. Grigory Manyak

Chronic Inflammation in Psoriasis Promotes Visceral Adipose Tissue Association with Lipid-rich Necrotic Core through Atherogenic Myeloid Score

Case Western Reserve University (Ohio)

Preceptor: Dr. Nehal Mehta

#678. Brianna Matthew

Tracking the Formation and Progression of Air-filled Pulmonary Cysts Detected by Computed Tomography Imaging in Patients with Lymphangiomyomatosis

Florida Institute of Technology (Florida)

Preceptor: Dr. Han Wen

#679. Corbin McElrath

Evaluation of Low Dose PT-Cy and Sir with Additional Immunosuppression to Enable Mixed Chimerism in Allo-BMT

Old Dominion University (Virginia)

Preceptors: Dr. Courtney Fitzhugh, Dr. Arunakumar Gangaplara

#680. Alex McIntosh

The Effects of BAZ1B Genetic Variations on Neural Crest Cell Derived Tissue

Georgia Institute of Technology (Georgia)

Preceptor: Dr. Beth Kozel

#681. Sam Neally

Associations between Neighborhood Socioeconomic Deprivation and Depressive Symptoms: Data from the National Health and Nutrition Examination Survey, 2011-2014

Mount Holyoke College (Massachusetts)

Preceptor: Dr. Tiffany Powell-Wiley

#682. Arman Niknafs

Prevalence and Clinical Characteristics of Anxiety and Depression in Patients with Non-CF Bronchiectasis: A Single-center, Cross-sectional Study

Oglethorpe University (Georgia)

Preceptors: Dr. Kenneth Olivier, Dr. Shashank Gupta

#683. Surina Patel

*Genome-wide Analysis of Sleep in *Drosophila melanogaster* Subjected to Constant Darkness Suggests Context-dependent Effects of Genes on Sleep*

Ohio State University (Ohio)

Preceptor: Dr. Susan Harbison

#684. Kathy Recto

Epigenome-wide Association Study of Circulating Immunoglobulin E Levels: The Framingham Heart Study

Washington University in St. Louis (Missouri)

Preceptors: Dr. Daniel Levy, Dr. Tianxiao Huan

#685. Allen Seylani

GCN5L1 Interacts with WHAMM and KIF5B To Regulate Autolysosome Tubulation

California State University, San Marcos (California)

Preceptors: Dr. Michael Sack, Dr. Kaiyuan Wu

#686. Afeez Sodeinde

Using Evolutionary Analyses to Understand Centrosome Genes

Bemidji State University (Minnesota)

Preceptors: Dr. Nasser Rusan, Dr. Ryan O'Neill

#687. Nina Spitofsky

Evaluation of Genetic Modulators in Bone Marrow Failure Syndromes

University of Pennsylvania (Pennsylvania)

Preceptors: Dr. Fernanda Gutierrez-Rodrigues, Dr. Neal Young

#688. Brian Tirado

Endothelial Dysfunction May Be Driven by a Synergism of Epinephrine and TNF α via Prolonged STAT3 Activation

Mercer University (Georgia)

Preceptors: Dr. Tiffany Powell-Wiley, Dr. Yvonne Baumer

#689. Briana Turner

Obesity-related and LDL-mediated Loss of NK Cell Degranulation and Cytotoxicity Is in Part Mediated by NF kappa B Inhibition

University of Chicago (Illinois)

Preceptors: Dr. Tiffany Powell-Wiley, Dr. Yvonne Baumer

#690. Shravani Vatti

Generation of Mouse Embryonic Stem Cell-derived Organoids to Model Vascular Development after Host Cardiovascular Connectivity

Michigan State University (Michigan)

Preceptor: Dr. Yosuke Mukoyama

#691. Lauren Vaughn

Tumor Burden Associated with BTK and PLCG2 Variants in Drug Resistant Chronic Lymphocytic Leukemia Patients during Treatment and Progression

University of Florida (Florida)

Preceptors: Dr. Chingiz Underbayev, Dr. Adrian Wiestner

#692. Clara Wang

UPF1 ATPase Activity Controls Recognition of mRNA Decay Substrates

Mount Holyoke College (Massachusetts)

Preceptors: Dr. Bobby Hogg, Dr. Sarah Fritz

#693. Carlynn Winters

Efficacy of Disulfiram against Drug Resistant Mycobacterium abscessus Clinical Isolates

University of North Carolina at Chapel Hill (North Carolina)

Preceptors: Dr. Kenneth Olivier, Dr. Shashank Gupta

#694. Jesse Wu

Application of 0.55T MRI for Bowel Imaging and Perfusion Quantification

Johns Hopkins University (Maryland)

Preceptor: Dr. Adrienne Campbell

National Institute on Aging (NIA)

#695. Pilar Alvarez Jerez

Resolving a Complex Structural Variant Haplotype at the SNCA Locus Using Targeted Long-read Sequencing

University of Florida (Florida)

Preceptor: Dr. Kimberley Billingsley

#696. Ashley Appleton

Human Taste Bud Cells Express ACE2: Portals of Entry for Sars-CoV-2

Howard University (District of Columbia)

Preceptor: Dr. Josephine Egan

#697. Jafar Bhatti

Dissociable Cerebellar Contribution to Cognitive and Motor Deficits in a Rodent Model of Aging?

Lafayette College (Pennsylvania)

Preceptors: Dr. C'iana Cooper, Dr. Peter Rapp

#698. Jay Bisen

Neural Network Analysis of Biexponential Decay Curves Using Regularized Input Data

Virginia Commonwealth University (Virginia)

Preceptors: Dr. Richard Spencer, Mr. Michael Rozowski

#699. Joseph Blommer

Plasma Neuronal-origin EVs Provide Biomarkers for Cognitive Impairment in Parkinson's Disease

University of Wisconsin - Madison (Wisconsin)

Preceptor: Dr. Dimitrios Kapogiannis

#700. Lauren Butler

Hospitalization and Longitudinal Brain Changes in the Baltimore Longitudinal Study of Aging

University of Virginia (Virginia)

Preceptor: Dr. Keenan Walker

#701. Elisabeth Buvarp

Effect of Base Excision Repair, Ung-1 Deletion, on Tau Pathology in C. elegans

University of Colorado Colorado Springs (Colorado)

Preceptor: Dr. Vilhelm Bohr

#702. Meaghan Cabassa

Study of Longitudinal Aging in Mice (SLAM): Development of the Histopathology Biorepository

Misericordia University (Pennsylvania)

Preceptors: Dr. Rafael de Cabo, Dr. Eleonora Duregon

#703. Nicole Calcagno

Metabolic Syndrome and Brain Volume in Aging

University of Rochester (New York)

Preceptor: Dr. Lori Beason-Held

#704. Cameron Carroll

G Protein-coupled Receptors in the TGAC8 Heart

Coastal Carolina University (South Carolina)

Preceptors: Dr. Maria Grazia Perino, Dr. Edward Lakatta

#705. Defne Cezayirli

Sex Differences in the Effect of Lisinopril on Cerebrovascular and Cardiovascular Function in Aging Dahl Salt-sensitive Rats

Northwestern University (Illinois)

Preceptors: Dr. Olga Fedorova, Dr. Kenneth Fishbein

#706. Shane Chambers

MicroRNA Regulation in Response to Persistent Cardiac Stress

James Madison University (Virginia)

Preceptors: Dr. Edward Lakatta, Dr. Kirill Tarasov

#707. Cecily Choy

Characterization of SARS-CoV-2-Specific CD8 T Cells in Healthy Donors and Convalescent Patients

Carleton College (Minnesota)

Preceptors: Dr. Nan-Ping Weng, Dr. Jian Lu

#708. Jeffrey Cifello

Tracking CD8+ T Cell Responses to Influenza A Virus Vaccination in Old Humans

University of Massachusetts Amherst (Massachusetts)

Preceptor: Dr. Nan-ping Weng

#709. Samuel Cockey

Reduced Skeletal Muscle Endurance in Aged Grsf1 Deficient Mice

University of Florida (Florida)

Preceptors: Dr. Chang-Yi Cui, Dr. Myriam Gorospe

#710. Raul Garcia-Rosario

Neuroadaptive Remodeling of Hippocampal Circuits Underlying Successful Recognition Memory in Aging

University of Puerto Rico Rio Piedras Campus (Puerto Rico)

Preceptors: Dr. Perla Moreno-Castilla, Dr. Peter Rapp

#711. Samuel Gray

Assessing Olfaction in the 3xtg Mouse Model of Alzheimer's Disease

Colby College (Maine)

Preceptor: Dr. Xiuli Dan

#712. Sophia Harris

The Role of SASP Factor GDF15 in Vascular Smooth Muscle Cell Senescence and Atherosclerosis

College of William & Mary (Virginia)

Preceptors: Dr. Myriam Gorospe, Dr. Fred Indig

#713. Humza Hemani

Analysis of Ha-B Cell Response to Influenza Vaccine in Old Humans

University of Michigan (Michigan)

Preceptor: Dr. Nan-ping Weng

#714. Vidur Kailash

Profiling Mitochondrial DNA Variants from Single-cell DNA Sequencing

Johns Hopkins University (Maryland)

Preceptor: Dr. Jun Ding

#715. Ema Karakoleva

Differential Effects of Lrrk2 and Rab29 Deficiency on Lysosomes from Knockout Mouse Kidney Tissue

Hillsdale College (Michigan)

Preceptors: Dr. Melissa Conti Mazza, Dr. Natalie Landeck

#716. Amogh Kashyap

Flow Cytometric Analysis of the Effects of Moderate Intensity Continuous Training (MICT) on the Aging Hematopoietic System

University of Texas at Austin (Texas)

Preceptor: Dr. Isabel Beerman

#717. Matthew Kiely

New Insights into Brain Aging of Cognitively Unimpaired Adults Using Quantitative Magnetic Resonance Neuroimaging

University of Maryland, College Park (Maryland)

Preceptor: Dr. Mustapha Bouhrara

#718. Linda Krasniewski

Single Cell Transcriptomic Analysis of Skeletal Muscle Macrophages from Young and Old Mice

Johns Hopkins University (Maryland)

Preceptors: Dr. Chang-Yi Cui, Dr. Myriam Gorospe

#719. Priya Krishna

NIA Non-human Primate Caloric Restriction Study: End-of-Life Assessment of Neoplastic Diseases

University of Maryland, Baltimore County (Maryland)

Preceptors: Dr. Rafael de Cabo, Dr. Eleonora Duregon

#720. Julie Lake

LRRK2 Coding Variants and the Risk of Parkinson's Disease

University of California, Berkeley (California)

Preceptor: Ms. Hampton Leonard

#721. Rebecca Lee

Biochemical Studies of the COVID-19 Helicase Required for Coronavirus Replication: Substrate Requirement, RNA Unwinding Processivity, and Screen for Small Molecule Inhibitors

Bethany College (West Virginia)

Preceptor: Dr. Robert Brosh

#722. Maiya MacAlpine

Associations between Basal Forebrain Tau and Cognition in Older Adults

University of Wisconsin - Madison (Wisconsin)

Preceptors: Dr. Murat Bilgel, Dr. Andrea Shafer

#723. Jessica Martin

Using Neural Networks to Understand RNA Dynamics

Frostburg State University (Maryland)

Preceptor: Dr. Emmanouil Maragkakis

#724. Nick Miller

Association of Strength Training on Stroke

University of California, Berkeley (California)

Preceptor: Mr. Eric Shiroma

#725. Brendan Mitchell

Mitochondrial Energetics Predicts Mobility Decline in Well-functioning Older Adults: Baltimore Longitudinal Study of Aging

University of California, Riverside (California)

Preceptors: Dr. Qu Tian, Dr. Luigi Ferrucci

#726. William Mueller

Examination of Age Associated Hepatic Fat Accumulation Using Longitudinal Proton Magnetic Resonance Spectroscopy

Wesleyan University (Connecticut)

Preceptor: Dr. Rafael de Cabo

#727. Sandy Ng

Does Riboflavin Deficiency Play a Role in the Pathology of Alzheimer's Disease in the 5XFAD Mouse Model?

University of North Carolina at Chapel Hill (North Carolina)

Preceptors: Dr. Rafael de Cabo, Dr. Dushani Palliyaguru

#728. James O'cean

The Hydroxymethylome Landscape of the Aging Liver

University of South Florida (Florida)

Preceptor: Dr. Payel Sen

#729. Braden Oldham

Dual-transmitter Afferents to LEC with Potential Role in Parkinson's Disease Dementia Originate in Lateral VTA

Creighton University (Nebraska)

Preceptors: Dr. Sarah Hawes, Dr. Huaibin Cai

#730. Victor Omoniyi

Extracellular Vesicle Assay Development for Novel Biomarker Applications in Hypertension Health Disparities

University of Maryland, Baltimore County (Maryland)

Preceptors: Dr. Michele Evans, Dr. Nicole

#731. Walter Otu

Expression of Human AC8 Transgene in Mice Cardiac Development

University of Texas Rio Grande Valley (Texas)

Preceptors: Mr. Daniel Riordon, Dr. Edward Lakatta

#732. Haris Rahman

Roles of DNA Repair Proteins in Modulating Alzheimer's Disease-associated Neuroinflammation

George Washington University (District of Columbia)

Preceptors: Dr. Vilhelm Bohr, Dr. Deborah Croteau

#733. Edward Rivera

Memory-dependent Rearrangements of Native Arc Protein

InterAmerican University of Puerto Rico (Puerto Rico)

Preceptors: Dr. Perla Moreno-Castilla, Dr. Peter Rapp

#734. Katarina Schneiderman

Measuring DNA Repair Capacity of Brain Cells following Treatment with Nicotinamide Riboside

Ohio State University (Ohio)

Preceptors: Dr. Wilhelm Bohr, Dr. Beverly Baptiste

#735. Faysal Shaikh

Associations between Amyloid, Tau, and Longitudinal White Matter Hyperintensities in Cognitively-normal Older Adults

George Mason University (Virginia)

Preceptor: Dr. Murat Bilgel

#736. Jennifer Shearon

ACE Inhibitor, Lisinopril, Affects Age-associated Changes in Cardiovascular and Cognitive Function in
University of Tennessee (Tennessee)

Preceptor: Dr. Olga Fedorova

#737. Chad Shumaker

Uncovering the Interplay between Local Calcium Releases in Cardiomyocytes and Heart Rhythm
Frostburg State University (Maryland)

Preceptors: Mr. Chris Coletta, Dr. Edward Lakatta

#738. Sonali Singh

The Effects of the Transcription Factor, TFII-I, on Murine T Cells

University of California, Riverside (California)

Preceptors: Dr. Ananda Roy, Dr. Amit Singh

#739. Kevin Spehar

Pomalidomide for Improving Aged Hematopoietic Stem Cell Function

Washington University in St. Louis (Missouri)

Preceptor: Dr. Isabel Beerman

#740. Ali Stark

Population Analysis of C9orf72 Reveals Potential Insight into Its Mechanism

Michigan State University (Michigan)

Preceptor: Dr. Bryan Traynor

#741. Breanna Takacs

Investigating the Role of Enhancer Binding Motifs on Chromatin Accessibility of the Immunoglobulin Heavy Chain Locus

University of Texas at Austin (Texas)

Preceptors: Dr. Ranjan Sen, Dr. Fatima Braikia

#742. Carlos Ticas

Molecular Differences in Young and Old B Cells

University of Massachusetts Lowell (Massachusetts)

Preceptors: Dr. Patricia Gearhart, Dr. Robert Maul

#743. Ella Tommer

Microglial Contributions to Age Dependency of Alzheimer's Disease

Indiana University (Indiana)

Preceptors: Dr. Ranjan Sen, Dr. Roshni Roy

#744. Curtis Triebswetter

APOE Genotype Influences Cerebral Myelination in Normative Aging

University of California, San Diego (California)

Preceptor: Dr. Mustapha Bouhrara

#745. Sharon Truong

An Optimization of Extracellular Vesicle Isolation Techniques to Explore Cardiac Fibrosis and Aging

Johns Hopkins University (Maryland)

Preceptors: Dr. Cristina Florio, Dr. Edward Lakatta

#746. Zachary Uttke

Increased Occurrence of Spike-Wave Discharges in Cognitively Impaired Aged Rats and an Examination of Associated Neurobiological Substrates

University of Wisconsin - Milwaukee (Wisconsin)

Preceptor: Dr. Craig Myrum

#747. Mya Vannoy

Isolation Strategies for Using Extracellular Vesicles as Biomarkers of Frailty

West Virginia University (West Virginia)

Preceptors: Dr. Michele Evans, Dr. Nicole Noren Hooten

#748. Romaniya Voloshchuk

Frailty Index as a Biomarker of Aging: Findings from Study of Longitudinal Aging in Mice (SLAM)

Cooper Union for the Advancement of Science and Art (New York)

Preceptors: Dr. Dushani Palliyaguru, Dr. Camila Vieira Ligo Teixeira

#749. Michael Vreones

Circulating Extracellular Vesicles Provide Insights into Metabolic Effects of Empagliflozin in Healthy Older Adults.

Florida State University (Florida)

Preceptors: Dr. Dimitrios Kapogiannis, Dr. Josephine Egan

#750. Noah Wechter

Single-cell Transcriptomic Analysis of Different Modes of Senescence Induction

Whitman College (Washington)

Preceptor: Dr. Krystyna Mazan-Mamczarz

#751. Bayli Wellman

Metabolic Benefits of 17alpha-Estradiol Are Lost in Male Rhesus Monkeys at a Low Dose

North Carolina State University (North Carolina)

Preceptor: Dr. Julie Mattison

#752. William Wen

Topoisomerase IIIβ Interacts with Aubergine in a Major piRNA Pathway to Maintain Transposon Silencing and Germ Cell Function.

Johns Hopkins University (Maryland)

Preceptors: Dr. Seung Kyu Lee, Dr. Weidong Wang

#753. Julia Whitten

Profiling the Drivers of Senescence in Induced Neuronal Stem Cells Derived from Multiple Sclerosis Patients

University of Rochester (New York)

Preceptor: Dr. Isabel Beerman

#754. Emily Wichmann

Modulation of hTERT Gene Expression and Telomerase Activity in Human T Cells by Drugs

University of Alabama in Huntsville (Alabama)

Preceptors: Dr. Nan-ping Weng, Dr. Qian Yang

#755. Andrew Williamson

Discovering Novel Drug Repurposing in Alzheimer's Disease by Understanding Shared Genetic Risk with Asthma

Indiana State University (Indiana)

Preceptors: Dr. Madhav Thambisetty, Dr. Vijay Varma

#756. Roxanne Withers

Characterization of Age-related Changes in Bone Marrow Stroma

Saint Michael's College (Vermont)

Preceptors: Mrs. Cheryl Sherman-Baust, Dr. Ranjan Sen

#757. Susan You

Using Liquid Chromatography-Mass Spectrometry to Quantify Endocannabinoid Levels in Plasma Samples from the Baltimore Longitudinal Study of Aging

Johns Hopkins University (Maryland)

Preceptors: Dr. Chee Chia, Dr. Roy Cutler

#758. Eleni Zahariadis

Effects of Cardiotonic Steroid Marinobufagenin on Neurodegeneration, Neuroinflammation and Cognition in a Mouse Model of Alzheimer's Disease and Cardiovascular Amyloidosis

University of Pittsburgh (Pennsylvania)

Preceptor: Dr. Olga Fedorova

National Institute of Allergy and Infectious Diseases (NIAID)

#759. Cassidy Abdeen

Comparisons of Functional Avidity of Virus-specific CD8+ T-Cells among Various Viral Infections

Case Western Reserve University (Ohio)

Preceptors: Dr. Stephen Migueles, Dr. Mark Connors

#760. Cynthia Aguilar

Visualizing Zika Virus Infection and Replication in the Lymph Node through the Use of Confocal Microscopy

University of Central Florida (Florida)

Preceptors: Dr. Heather Hickman, Ms. Glennys Reynoso

#761. Ali Alishahedani

Assessing the Effects of Common Topical Exposures on Skin Bacteria Associated with Atopic Dermatitis

University of Florida (Florida)

Preceptor: Dr. Ian Myles

#762. Shuchi Amin, Angela Ellis

Examining Recrudescence in Transfected Plasmodium falciparum Lines after Artemisinin Exposure

University of Virginia (Virginia), Xavier University (Ohio)

Preceptors: Dr. Juliana Sá, Dr. Thomas Wellem

#763. Leanne Arakkal

Using Single Cell Spatial and Transcriptional Analysis to Understand Early Host-virus Interactions

Virginia Polytechnic Institute and State University (Virginia)

Preceptors: Dr. Emily Speranza, Dr. Ronald Germain

#764. Justin Bae

Functional Loss of Quorum Sensing Contributes to Virulence of Staphylococcus aureus Biofilm-mediated Infections

Cornell University (New York)

Preceptor: Dr. Gordon Cheung

#765. Anne Berhe

Immunological Characterization of a Highly Immunogenic Protein, VIR14, Detected in Plasmodium vivax-Infected Subjects

Pomona College (California)

Preceptors: Dr. Camila Coelho, Dr. Patrick Duffy

#766. Natalia Bettis

Multiplex Imaging to Reveal the Dynamics of MAVS-mediated Control of Ebola Virus Replication in Tissues

Howard University (District of Columbia)

Preceptors: Dr. Emily Speranza, Dr. Ronald Germain

#767. Walker Black

Can We Make a Great Antibody Even Better? Mutagenesis of an HIV-1 Neutralizing Antibody

University of Richmond (Virginia)

Preceptors: Dr. John Mascola, Dr. Nicole Doria-Rose

#768. Laura Bosque Ortiz

Characterization and Management of Patients With HIV-1 Infection Who Experience Virologic Failure Despite Combination Antiretroviral Therapy

Brown University (Rhode Island)

Preceptor: Dr. Alice Pau

#769. Dara Bradley

CT Radiomic and Clinical Pathology Features Can Identify SARS-CoV-2-Exposed Nonhuman Primates

North Carolina Agricultural and Technical State University (North Carolina)

Preceptors: Dr. Jeffrey Solomon, Dr. Joseph Frank

#770. Brock Brethour

Isolation and Characterization of Acidobacteria for Detection of Novel Antibiotics against Mycobacterium tuberculosis

Kansas State University (Kansas)

Preceptor: Dr. Clifton Barry

#771. Jaime Brito

TGF- β /Smad and p53 Signaling Mediate NOX4 Transcriptional Regulation in Lung Epithelial Cells Exposed to Hypoxia

University of California, Riverside (California)

Preceptors: Dr. Howard Boudreau, Dr. Thomas Leto

#772. Beniah Brumbaugh

Zika Vaccine Candidate Viewed through Electron Microscopy

University of Vermont (Vermont)

Preceptors: Mrs. Elizabeth Fischer, Dr. Emmie de Wit

#773. Thomas Buerkert

A Next-generation Sequencing Pipeline for Analysis of HIV-1 Defective Proviruses

St. Joseph's University (Pennsylvania)

Preceptors: Dr. Hiromi Imamichi, Dr. Weizhong Chang

#774. Aarohan Burma

Elucidating the Role of Th9 Cells and IL-9 in Psoriatic Cardiovascular Disease

University of Texas at Austin (Texas)

Preceptor: Dr. Daniella Schwartz

#775. Daniella Butler

Generation of Novel Antigens for P. vivax Malaria Vaccine Candidates

Grinnell College (Iowa)

Preceptors: Dr. Patrick Duffy, Dr. Jonathan Renn

#776. Jessica Chen

Reversion Mutations in Phosphoprotein P of a Codon-pair-deoptimized Vaccine Candidate of Human Respiratory Syncytial Virus Confer Increased Transcription, Immunogenicity, and Genetic Stability

University of Hawaii at Manoa (Hawaii)

Preceptor: Dr. Cyril Le Nouen

#777. Steven Chen

Prefusion Structure Stabilization of Glycoprotein Trimers for Human Metapneumovirus and Lassa Virus Vaccines

Swarthmore College (Pennsylvania)

Preceptors: Dr. Li Ou, Dr. Peter Kwong

#778. Yang Chen

Detecting Signals for Ongoing Genetic Recombination in SARS-CoV-2

University of Wisconsin - Madison (Wisconsin)

Preceptor: Dr. Michael Grigg

#779. Yan Cheng

Mutations in GPR15 Lead to Inflammatory Bowel Disease

Swarthmore College (Pennsylvania)

Preceptors: Dr. Jing Cui, Dr. Michael Lenardo

#780. Christian Cherry

CD8+ T-cells Limit viral Dissemination in an Oral Mucosa Infection Model

Colorado Mesa University (Colorado)

Preceptors: Dr. Heather Hickman, Mr. John Shannon

#781. Claire Conarroe

Changes in Cellular Composition of Murine Bone Marrow during Toxoplasma gondii Infection

Washington and Lee University (Virginia)

Preceptor: Dr. Dragana Jankovic

#782. Angela Corrigan

Fusion Peptide Priming with Longer Trimer Interval Immunization Improves HIV-1 Vaccine Outcome and Reduces Trimer Base Response

University of Central Florida (Florida)

Preceptor: Dr. John Mascola

#783. Emma Duge

Characterizing Anopheles gambiae D7 Long Form Proteins

Colgate University (New York)

Preceptors: Dr. Leticia Smith, Dr. Eric Calvo

#784. Rylee Duncan

Translating Genomic Research into Counseling for People With Psychiatric Disease: Important Considerations

University of Maryland, College Park (Maryland)

Preceptor: Mrs. Morgan Similuk

#785. Angela Ellis, Shuchi Amin

Artesunate Response of Plasmodium falciparum Isogenic Lines Differ in Spleen-intact and Splenectomized Aotus Primates Irrespective of Pfk13 Type

Xavier University (Ohio), University of Virginia (Virginia)

Preceptors: Dr. Juliana Sa, Dr. Thomas Wellems

#786. Rachel Erickson

Mechanism of SARS-CoV-2 Induced Lung Fibrosis

Brigham Young University (Utah)

Preceptor: Dr. Peter Sun

#787. Keenan Ernste

Fc Gamma Receptor Binding but Not Complement Recruitment Contributes to the in vivo Clearance of SHIV Virus after Monoclonal Antibody Passive Infusion

St. Olaf College (Minnesota)

Preceptor: Dr. Joana Dias

#788. David Espinoza

Clinical Observations of COVID-19 in Hypereosinophilic Syndromes

Johns Hopkins University (Maryland)

Preceptors: Dr. Paneez Khoury, Dr. Amy Klion

#789. Douglas Fritz

Characterization of Zika Virus Monoclonal Antibodies

Saint Louis University (Missouri)

Preceptors: Dr. Theodore Pierson, Ms. Katherine Burgomaster

#790. Anahit Gevorgyan

Rare Variants in Genes Affecting Muscle Components and Regeneration Pathways Contribute to the Complex Genetics of JDM

University of Southern California (California)

Preceptors: Dr. Adriana Almeida de Jesus, Dr. Raphaela Goldbach-Mansky

#791. Aude Giglietti

Trends in Anti-HCV Antibodies following Treatment in a Cohort of HIV/HCV Co-infected Individuals

University of Pittsburgh (Pennsylvania)

Preceptors: Dr. Kanal Singh, Dr. Hiromi Imamichi

#792. Sydnee T Gould

Pulmonary Mucosal-associated Invariant T Cell (MAIT) Anamnestic Responses

Rowan University (New Jersey)

Preceptors: Dr. Christine Nelson, Dr. Daniel Barber

#793. Tylisha Gourdine

A Single-dose VSV-based Vaccine for SARS-CoV-2

Hartwick College (New York)

Preceptor: Dr. Andrea Marzi

#794. Veronica Guirguis

Antibody-based Protection against Arthritogenic Alphavirus Infection in vivo: A Literature Review

University of Maryland, College Park (Maryland)

Preceptor: Dr. Julie Fox

#795. Frederick Hansen

SARS-CoV-2 Infection in Syrian Hamsters Results in an Immune Response That Prevents Disease but Not Replication after Rechallenge

New Mexico State University (New Mexico)

Preceptors: Dr. Heinrich Feldmann, Dr. Kyle Rosenke

#796. Thomas Hsu

Mechanism of HELZ2 Restriction of Ebola Virus in Human Liver Cells

Texas A&M University (Texas)

Preceptor: Dr. Rebecca Broeckel

#797. Hector Ibanez

An Unexpected Pair: The Interactions of the HIV-1 Envelope and Platelet Factor 4 and the Potential Pathogenic Ramifications

Cornell University (New York)

Preceptor: Dr. Paolo Lusso

#798. Yaser Iftikhar

Development of a 30-parameter Flow Cytometry Panel for Functional Characterization of Unconventional T Cells and Innate Lymphoid Cells

University of North Carolina at Chapel Hill (North Carolina)

Preceptors: Dr. Thomas Liechti, Dr. Mario Roederer

#799. Kachi Isiofia

Inactivation of Prions and Amyloid Seeds with Hypochlorous Acid: A Follow-up Study

St. Joseph's College (New York)

Preceptors: Dr. Byron Caughey, Mr. Andrew Hughson

#800. Val Jackson-Hundley

The DNA-binding Activity of AtxA, the Master Virulence Regulator of Bacillus anthracis

University of California, San Diego (California)

Preceptors: Dr. Andrei Pomerantsev, Dr. Stephen Leppla

#801. Makheni Jean Pierre

UBL5 Modulates Expression of Key Inflammatory Regulators in Human Macrophage Cells through Regulation of Alternate Splicing

Stony Brook University (New York)

Preceptors: Dr. Sinu John, Dr. Iain Fraser

#802. Kathleen Jevtich, Yunting Yu

The Centralized Sequencing Initiative at Year Five: A Perspective on the Successes and Challenges

Fairfield University (Connecticut), John Hopkins University (Maryland)

Preceptor: Mrs. Morgan Similuk

#803. Kimberly Jin

Smartphone Test Measures Vibration Sense in Patients with Multiple Sclerosis

Georgetown University (District of Columbia)

Preceptor: Dr. Bibiana Bielekova

#804. Timothy Johnston

Rapid Assembly and Transfection for Production of Immunoglobulin From Single B Cells

University of Minnesota, Twin Cities (Minnesota)

Preceptor: Dr. Daniel Douek

#805. Rhea Kataria

Loss of iRHOM2 Function in Humans Results in Impairment of ADAM17 and Subsequent Variable Immune Disease Susceptibility

Tulane University (Louisiana)

Preceptors: Dr. Satoshi Kubo, Dr. Michael Lenardo

#806. Yujin Kim

Upper Cervical Spinal Cord Volume Predicts Multiple Sclerosis Clinical Outcome Much Stronger Than Brain Volumes

Emory University (Georgia)

Preceptors: Dr. Bibiana Bielekova, Dr. Peter Kosa

#807. Emma Koory

Development of a Novel SARS-CoV-2 Vaccine Candidate Using a Replication Competent HAd4 Vector

University of Tennessee (Tennessee)

Preceptors: Dr. Mark Connors, Dr. Andy Patamawenu

#808. Neetij Krishnan

Hybridoma Technology as a Tool to Characterize SARS-CoV-2 Spike

Saint Olaf College (Minnesota)

Preceptors: Dr. Jonathan Yewdell, Dr. Ivan Kosik

#809. Jonah Kupritz

Interleukin-11 Regulates Innate Mucosal Immunity in Acute Helminth Infection

Washington University in St. Louis (Missouri)

Preceptor: Dr. Pedro Gazzinelli-Guimaraes

#810. Kyle Landers

Maintaining a Collaborative Infectious Disease Clinical Research Network in Indonesia: Research and Response from 2010 to Present

University of Alabama at Birmingham (Alabama)

Preceptor: Dr. Aaron Neal

#811. Charlotte Langner

*Nonhuman Primates are Resistant to Longterm Colonization by *Lactobacillus crispatus*: Implications for Intravaginal SIV Infections*

University of Montana (Montana)

Preceptor: Dr. Jason Brenchley

#812. Grace Lank

Preexisting Immunity to the SARS-CoV-2 Spike in Thailand vs. US

Pepperdine University (California)

Preceptors: Dr. James Arthos, Dr. Claudia Cicala

#813. Yona Lei

Isolation and Characterization of Monoclonal Antibodies to an EBV Glycoprotein Essential for Virus Infection Into B Cells

Syracuse University (New York)

Preceptors: Dr. Jeffrey Cohen, Dr. Wei Bu

#814. Joie Ling

Anti-virulence Probiotic Strategy to Prevent Enterococcal Bacteremia

Haverford College (Pennsylvania)

Preceptors: Dr. Michael Otto, Dr. Pipat Piewngam

#815. Sarah Lovelace

Characterization of ex vivo HIV-1 Replication under Broadly Neutralizing Antibody Treatments

Trinity University (Texas)

Preceptors: Dr. Amar Pegu, Dr. John Mascola

#816. Jeremy Mahr

Culturing Murine Group 2 Innate Lymphoid Cells to Analyze Functional Defects from PI3-Kinase Gain-of-Function

Rutgers University (New Jersey)

Preceptors: Dr. Pamela Guerrero, Dr. Estefania Etienne

#817. Ayelet Makovoz

Assessment of Osteoporosis and Fracture Risk in Mastocytosis within a North American Cohort

Charter Oak State College (Connecticut)

Preceptors: Dr. Hirsh Komarow, Dr. Dean Metcalfe

#818. Rosa Mallorson

Impact of HIV-1 on Cellular Receptors and Transcription Factors

Colorado College (Colorado)

Preceptor: Dr. Klaus Strebel

#819. Kylie March

Measuring SHIV Dynamics in Non-human Primate Lymph Nodes using RNAScope™ Confocal Imaging

Pennsylvania State University (Pennsylvania)

Preceptors: Dr. Giulia Fabozzi, Dr. Joana Dias

#820. Dominique Mata

Longitudinal Changes in Eosinophil Granule Protein Concentrations in the Setting of Episodic Angioedema with Eosinophilia

University of Texas at El Paso (Texas)

Preceptors: Ms. Dominique Mata, Dr. Amy Klion

#821. Meghan Matheny

Proline Transmembrane Protein Three as a Unique Target for Monoclonal IgG associated with Systemic Capillary Leak Syndrome

Davidson College (North Carolina)

Preceptors: Dr. Kirk Druey, Dr. Sherry Xie

#822. Jobel Matriz

Mechanistic Evaluation of Roseomonas mucosa treatment in keratinocytes

University of Hawaii at Manoa (Hawaii)

Preceptor: Dr. Portia Gough

#823. Morgan McCullough

The Role of Allergic Inflammation in Aspergillus fumigatus-secreted Alkaline Protease 1 (Alp1)-induced Airway Hyperresponsiveness

University of Minnesota, Twin Cities (Minnesota)

Preceptor: Dr. Kirk Druey

#824. Damee Moon

T Cell Responses Elicited by mRNA-1273 Vaccination against SARS-CoV-2 in Non-human Primates

University of Illinois at Urbana-Champaign (Illinois)

Preceptors: Dr. Chaim Schramm, Dr. Daniel Douek

#825. Alexandra Nazzari

SARS-CoV-2 Molecular Probes: Design, Validation and Applications in Antibody Discovery and Immune Evaluation

Emory University (Georgia)

Preceptor: Dr. Tongqing Zhou

#826. Grace Okpali

Lyme Disease or COVID-19? Challenges in Diagnosing Lyme Disease during the COVID-19 Pandemic

University of Maryland, College Park (Maryland)

Preceptor: Dr. Adriana Marques

#827. Hursch Patel

Autoimmune Diseases: High-affinity Binding of IgG to FcγRI in the Presence of Aminoglycosides

University of North Carolina at Chapel Hill (North Carolina)

Preceptor: Dr. Peter Sun

#828. Meha Patel

Analysis of Mitochondrial Performance in Lymphocytes Using Fluorescent Lifetime Imaging Microscopy

University of Michigan (Michigan)

Preceptors: Dr. Susan Pierce, Dr. Munir Akkaya

#829. Mathiu Perez

Etiology of IL-5 Dysregulation in Autosomal Dominant Familial Eosinophilia

City College of New York (New York)

Preceptors: Dr. Amy Klion, Charles Anderson

#830. Lizzette Perez-Perez

Detection of SARS-CoV-2 Subgenomic RNA in Clinical Samples as a Measure of Infectiousness

Smith College (Massachusetts)

Preceptors: Dr. Emmie de Wit, Dr. Sanchita Das

#831. Lowrey Peyton

Innate Immune Cell Dynamics in Response to mRNA-1273 Vaccination against SARS-CoV-2 in Non-human Primates

Virginia Polytechnic Institute and State University (Virginia)

Preceptors: Dr. Daniel Douek, Dr. Chaim Schramm

#832. Aiyana Ponce

Characterization of the Skin Immunity to Aedes aegypti Bites

University of Texas at El Paso (Texas)

Preceptors: Dr. Fabiano Oliveira, Dr. Jennifer Bohl, Dr. Jesus Valenzuela, Dr. Jessica Manning

#833. Yvonne Rangel-Gonzalez

An Improved Visceral Leishmaniasis Infection Model to Elucidate the Innate Immune Response Governing Dissemination of Leishmania donovani

University of California, San Diego (California)

Preceptors: Dr. Shaden Kamhawi, Dr. Jesus Valenzuela

#834. Andre Rastegar

Interferon Response Gene Signature in Cell Subsets of 3 Autoinflammatory Diseases

Johns Hopkins University (Maryland)

Preceptors: Dr. Raphaela Goldbach-Mansky, Dr. Adriana Almeida de Jesus

#835. Mateo Reveiz

Improved Prediction of Antibody Resistance of Clinical HIV-1 Isolates Using Machine Learning

University of Maryland, College Park (Maryland)

Preceptor: Dr. Reda Rawi

#836. Emily Ridge

Role of SARS-CoV-2 Accessory Genes in Inflammasome Activation

University of Michigan (Michigan)

Preceptor: Dr. John Kehrl

#837. Akshata Rudrapatna

Detailed Exploration of a Rule-based Model of Wnt Signaling


Case Western Reserve University (Ohio)

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

#838. Abigail Salancy

Functional Characterization of a New CXCR4 Mutation Associated with WHIM Syndrome

University of Pittsburgh (Pennsylvania)

Preceptors: Dr. Sergio Pontejo,  Philip Murphy

#839. Egan Sanchez

Characterization of a Surprisingly Efficacious Zika Virus Vaccine Candidate

Florida State University (Florida)

Preceptors: Dr. Theodore Pierson, Dr. Kim Dowd

#840. Edward Sarfo

Sequential or Cocktail Immunization with HIV-1 Fusion Peptide Carrier Conjugate and Envelope Trimer Elicits Potent and Cross-clade Neutralization Activity in Guinea Pigs

CUNY City College of New York (New York)

Preceptors: Dr. Cheng Cheng, Dr. John Mascola

#841. Lauren Schnitkey

Selective Enrichment of N-terminal Neo-Peptides to Aid in Protease Substrate Discovery

Ohio State University (Ohio)

Preceptor: Dr. Stephen Leppla

#842. Carina Sclafani

HLA-DM and HLA-DO Expression in Patients with and without Broadly-neutralizing Antibodies (bnAb) to Human Immunodeficiency Virus (HIV)

Wheaton College (Massachusetts)

Preceptors: Dr. Mark Connors, Dr. Renata Medina

#843. Caitlyn Sebastian

Screening of Anti-mycobacterial Compounds Produced by Acidobacteria Isolated From Peat Bog Soil

Troy University (Alabama)
Preceptor: Dr. Clifton Barry

#844. Yuna Seo
Interleukin-7 Is a Potent Inducer of HIV-1 Suppressive Chemokines
Cornell University (New York)
Preceptors: Dr. Paolo Lusso, Dr. Hana Schmeisser

#845. Karina Sewell
High Throughput Expression and Purification of Recombinant Salivary Proteins From Aedes aegypti, the Main Vector of Dengue Virus
Missouri State University (Missouri)
Preceptors: Dr. Paola Carolina Valenzuela Leon, Dr. Gaurav Shrivastava

#846. Elana Shaw
Longitudinal Analysis and Epitope Exploration of Autoantibodies to the Type 1 Interferons in COVID-19 Patients
Emory University (Georgia)
Preceptors: Ms. Lindsey Rosen, Dr. Helen Su

#847. Anna Smith
Investigating the Influence of HSV-1 Infection on Familial CJD-associated Prion Protein with the E200K Mutation in Human Cerebral Organoids
University of Texas at Austin (Texas)
Preceptor: Dr. Cathryn Haigh

#848. Jamie Smith
Mapping a Stem Cell Enhancer Trap in an Anopheles stephensi Transgenic Line
Willamette University (Oregon)
Preceptors: Dr. Ana Beatriz Barletta Ferreira, Dr. Carolina Barillas-Mury

#849. Michael Austin Stack
Role of BTK in COVID-19: A Biomarker Analysis
McGill University (Non-U.S.)
Preceptors: Dr. Luigi Notarangelo, Dr. Keith Sacco

#850. Cody Stein
Monoclonal Antibodies with Enhanced Effector Functions for HIV-1 Control and Clearance
University of Colorado Colorado Springs (Colorado)
Preceptors: Dr. Richard Koup, Dr. John Mascola

#851. Dominique Stewart
Input-Output Genetic Screen to Identify Potential Toxoplasma gondii Mutants Incapable of Establishing Chronic Infection
Messiah College (Pennsylvania)
Preceptor: Dr. Aline Sardinha da Silva

#852. Kriza Sy
Tobacco Etch Virus (TEV) Protease Is Toxic to Mammalian Cells
University of Chicago (Illinois)

Preceptor: Dr. Stephen Leppla

#853. Daniel Taylor

Analyses of the Interactions of Tapasin and ERp57-tapasin proteins with PaStA 1 and PaStA 2 Antibodies and MHC-I Molecules

Georgetown University (District of Columbia)

Preceptors: Dr. Kannan Natarajan, Dr. David Margulies

#854. Travis Terry

Elicitation of Broadly Neutralizing V1V2-Specific HIV-1 Antibodies by Chronic SHIV Infection in Non-Human Primates

University of Richmond (Virginia)

Preceptor: Dr. Evan Cale

#855. Kole Tison

Helios Expression in CD4+ Foxp3- T Cells

Montana State University (Montana)

Preceptor: Dr. Angela Thornton

#856. Ena Tully

Disulfide Stabilized Norovirus Virus Like Particles to Isolate Broadly Neutralizing Antibodies From Human Sera

Purdue University (Indiana)

Preceptor: Dr. Raffaello Verardi

#857. Leila Tuzlak

Developing a Protozoan Genome Reference Database for Eukaryome Studies

Loyola University Chicago (Illinois)

Preceptors: Dr. Eliza Carneiro Alves Ferreira, Dr. Michael Grigg

#858. Nicholas Usher

The Role of Peptide Channeling in MHC Class I Presentation

Cornell University (New York)

Preceptors: Dr. Jonathan Yewdell, Dr. Devin Dersh

#859. Joshua Vogel

Developing an Assay to Assess Antibody Inhibition of Cell-Cell Fusion Mediated by Herpes Simplex Virus 2 (HSV-2) Glycoproteins

Missouri State University (Missouri)

Preceptors: Dr. Kening Wang, Dr. Jeffrey Cohen

#860. Sophia Vrba

ILC1 and TRM Occupy the Same Mucosal Barrier Niche and Provide Non-overlapping Protection against Infection

University of Minnesota, Twin Cities (Minnesota)

Preceptor: Dr. Heather Hickman

#861. Kiera Vrindten

Proteomic Characterization of the Immune Response to the Seasonal Influenza Vaccine

Dartmouth College (New Hampshire)

Preceptors: Dr. John Tsang, Dr. Rachel Sparks

#862. Elena Wei

Sortase-mediated Antibody-Enzyme Conjugation to Detect DNA/RNA Hybrids

Rutgers University (New Jersey)

Preceptors: Dr. Stephen Leppla, Dr. Ankur Bothra

#863. Anne Werner

Structure-guided Design of Coronavirus Stabilized Stem Antigens

Cornell University (New York)

Preceptors: Dr. Kizzmekia Corbett, Dr. Barney Graham

#864. Eleanor Wettsetin

New Castle Disease Virus-like Particles Expressing HIV-1 Env or Influenza HA Protein Induce Neutralizing Antibody Response in Rabbits

Macalester College (Minnesota)

Preceptor: Dr. Kenta Matsuda

#865. Emily Wolf

Tuberculosis Drug Discovery: Screening for New Hits and Leads

Oakland University (Michigan)

Preceptors: Dr. Helena Boshoff, Dr. Barry Clifton

#866. Danielle Xie

Designing Glycan-modified Immunogens to Engage Precursors of the 35O22 Class of HIV Broadly Neutralizing Antibodies

Bryn Mawr College (Pennsylvania)

Preceptors: Dr. Evan Cale, Dr. John Mascola

#867. Grace Xu

Effect of Direct and Indirect Regulators on GPCR-mediated Adaptation and Downstream Signaling Pathways

Emory University (Georgia)

Preceptor: Dr. Xuehua Xu

#868. Yunting Yu, Kathleen Jevtich

Contribution of CNV Analysis in a PID Patient Cohort

Johns Hopkins University (Maryland), Fairfield University (Connecticut)

Preceptor: Mrs. Morgan Similuk

#869. Kimberly Zaldana

Characterizing the Genetic Effects Of the C57BL/6 And BALB/C Background on Lineage Dependent Lung Macrophage Heterogeneity in Response To IL-13

Emory University (Georgia)

Preceptors: Dr. P'ng Loke, Dr. Oyebola Oyesola

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

#870. Sarah Aitken

Multiple Idiopathic Cervical Root Resorption: Integrating Dental and Systemic Health towards Defining Pathophysiology

Clemson University (South Carolina)

Preceptors: Dr. Emily Chu, Dr. Martha Somerman

#871. Jules Allbritton-King

Affected Fibroblasts in MAP2K1+ Melorheostosis Stimulate Increased Angiogenesis in Healthy Endothelial Cells

University of Maryland, College Park (Maryland)

Preceptors: Dr. Timothy Bhattacharyya, Dr. Fatemeh Navid

#872. Akshaya Anand

Novel Analytical Approaches in an Admixed Population Identify Systemic Sclerosis Susceptibility Loci

University of Maryland, College Park (Maryland)

Preceptor: Dr. Pravitt Gourh

#873. Sarah Brock

Alkaline Phosphatase, a Targeted Mineral Enzyme Therapy, Promotes Periodontal Tissue Regeneration

University of Tennessee Knoxville (Tennessee)

Preceptors: Dr. Atsuhiko Nagasaki, Dr. Martha Somerman

#874. Qilin Cao

GCgx: Transcriptome-wide Exploration of the Human Response to Glucocorticoids

Carnegie Mellon University (Pennsylvania)

Preceptor: Dr. Luis Franco

#875. Adeline Chin

Aptamer-based Broad Proteomic Analysis in Juvenile Dermatomyositis (JDM) Reveals Key Pathways in JDM and Myositis-specific Autoantibody (MSA) Groups

Scripps College (California)

Preceptor: Dr. Hanna Kim

#876. Megan Darrell

Peripheral Transcriptomic Analysis in Juvenile Dermatomyositis (JDM)

Wheaton College (Massachusetts)

Preceptor: Dr. Hanna Kim

#877. Sneha Dass

Applying Pathway Analysis to Whole Genome Data to Identify Important Pathways in the Pathogenesis of Childhood Onset Systemic Lupus Erythematosus

College of William & Mary (Virginia)

Preceptor: Dr. Laura Lewandowski

#878. Victoria Fonseca, Madie Alexander

Jak Inhibition Impacts Signaling in Invariant Natural Killer T (iNKT) Cells

University of North Carolina at Chapel Hill (North Carolina), Colorado College (Colorado)

Preceptors: Dr. Francoise Meylan, Dr. Massimo Gadina

#879. Emma Hope

SOX2 and PITX1 Epidermal Overexpression Confer Oral Mucosa-like Qualities to Skin and Accelerate Wound Healing

University of Georgia (Georgia)

Preceptors: Dr. Maria Morasso, Dr. Andrew Overmiller

#880. Anna Lin

Raising a (Non-alcoholic) Toast to a New Treatment Approach for Merkel Cell Carcinoma

University of North Carolina at Chapel Hill (North Carolina)

Preceptors: Dr. Natasha Hill, Dr. Isaac Brownell

#881. Spencer Mehdizadeh

Dlx3-Dependent Epidermal Immune Regulation Protects against Imiquimod-inducible Lupus Erythematosus

University of Maryland, College Park (Maryland)

Preceptor: Dr. Maria Morasso

#882. Meredith Pensler

Clinical Database of the Natural History and Transplant Course of DOCK8 Deficiency Patients at the NIH

University of Michigan (Michigan)

Preceptor: Dr. Heidi Kong

#883. Alana Platukus

Determining the Mechanism of IRAK2 in Systemic Juvenile Idiopathic Arthritis (sJIA)

Dickinson College (Pennsylvania)

Preceptors: Dr. Michael Ombrello, Mr. Anthony Cruz

#884. Jessica Portillo

Optimization of Sample Processing for Low-biomass Clinical Microbiome Biospecimens

George Mason University (Virginia)

Preceptors: Dr. Heidi Kong, Dr. Jay Hyun Jo

#885. Elizabeth Schmitz

De novo Caspase-4 Mutation in a Child with Severe, Early-onset Autoinflammation with Arthritis, Colitis, Panniculitis and Elevated Interleukin-18

University of Pittsburgh (Pennsylvania)

Preceptor: Dr. Michael Ombrello

#886. Jocelyn Taylor

The BSP-RGD Motif Affects PDL Organization and Age-related Obesity

University of Mary Washington (Virginia)

Preceptors: Dr. Karin Nagasaki, Dr. Martha Somerman

#887. Thai Tran

Glucocorticoids Regulate the Human Non-coding Genome

University of California, Riverside (California)

Preceptor: Dr. Luis Franco

#888. Serena Vilasi

Immune Response and Tolerization to Merkel Cell Polyomavirus Oncoproteins in Mouse Skin

Georgetown University (District of Columbia)

Preceptor: Dr. Isaac Brownell

#889. Kristina Wells

Clonal Hematopoiesis in Takayasu's Arteritis, ANCA-associated Vasculitis, and Giant Cell Arteritis

Cornell University (New York)

Preceptor: Dr. Peter Grayson

#890. Emma Young

Developing Surface-CLIP

University of Kansas (Kansas)

Preceptors: Dr. Daniel Benhalevy, Dr. Markus Hafner

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

#891. Denzel Ryan Cruz

Structural Differences in the Platelet Assembly in Mouse Puncture Wound Closure

University of Illinois at Urbana-Champaign (Illinois)

Preceptor: Dr. Maria Aronova

#892. Jamie Neal

Correlating Actomyosin Mechanics with Regulatory Protein Activity and Disease Progression in Melanoma, Breast, and Ovarian Cancers

Arizona State University (Arizona)

Preceptor: Dr. Alexander Cartagena-Rivera

#893. Andrew Sedlack

Imaging Intracellular Oxygen Consumption and Metabolic Activity on an Imposed Gradient

Georgetown University (District of Columbia)

Preceptor: Dr. Nicole Morgan

#894. William Shin

Analyzing the Effect of Gradient Oxygen Conditions on Cancer Cell Multidrug Resistance Using Microfabricated Pillars

University of California, Berkeley (California)

Preceptors: Dr. Nicole Morgan, Dr. Michael Gottesman

#895. Chynna Smith

Identifying the Effects of Taxane-based Chemotherapy on Actomyosin Cortical Properties in Paclitaxel Sensitive and Resistant Ovarian Cancers

Washington Adventist University (Maryland)

Preceptor: Dr. Alexander Cartagena-Rivera

#896. Oliver Zhao

Platelet Activation and Distribution in Mice Thrombus Formation

University of Texas at Austin (Texas)

Preceptors: Dr. Maria Aronova, Dr. Richard Leapman

National Institute of Dental and Craniofacial Research (NIDCR)

#897. James Ball

Loss of 3-O Sulfotransferase Enzymes, Hs3st3a1 and Hs3st3b1, Reduces Kidney Function

University of Missouri (Missouri)

Preceptors: Dr. Matthew Hoffman, Dr. Vaishali Patel

#898. Joshua Ballway

Characterization of Expression Profiles in Plasmacytoid Dendritic Cells in Healthy and Leukemic PBMC

Rutgers School of Graduate Studies (New Jersey)

Preceptor: Dr. Roxane Tussiwand

#899. Kapsa Bengyella

Functional Characterization of PSDC in Touch and Mechanical Allodynia

Mercer University (Georgia)

Preceptor: Dr. Yuanyuan Liu

#900. Margaret Cassidy

Neurodegenerative Changes in Dorsal Root Ganglia Associated with Chronic Pain in Diabetic Neuropathy

Vanderbilt University (Tennessee)

Preceptor: Dr. Ashok Kulkarni

#901. Megan Doty

Metabolomic Analysis Indicates Neurodegenerative Changes in Diabetic Peripheral Neuropathic Pain

University of Wisconsin - Madison (Wisconsin)

Preceptors: Dr. Ashok Kulkarni, Mr. Brad Hall

#902. Lauren Hayashi

Molecular Identification of Neuronal Ensembles of Mechanical Allodynia in the Spinal Dorsal Horn

Brandeis University (Massachusetts)

Preceptor: Dr. Yuanyuan Liu

#903. Clara Kim

Antigen Presenting Cell and T-resident Memory Cell Interface in Oral cGVHD Patients

University of Michigan (Michigan)

Preceptors: Dr. Jacqueline Mays, Dr. Ana Costa da Silva

#904. Spencer Leibow

STIM1 Clustering in Relation to Lipid Localization at Membrane Contact Sites (MCS)

College of William & Mary (Virginia)

Preceptor: Dr. Shmuel Muallem

#905. Tianming Li

Molecular Characterization of Spinoparabrachial Neurons in Ascending Circuits Modulating Somatosensation and Pain

University of Maryland, College Park (Maryland)

Preceptor: Dr. Yuanyuan Liu

#906. Serene Majid

Identifying the Role of Fibroblasts in the Inflammatory Response of the Oral Cavity

University of North Carolina at Chapel Hill (North Carolina)

Preceptors: Dr. Tomoko Ikeuchi, Dr. Niki Moutsopoulos

#907. Matthew Mann

Role of Mucin-Type O-linked Glycosylation in Furin Cleavage of Sars-CoV-2 Spike Protein

University of Pittsburgh (Pennsylvania)

Preceptors: Dr. Lawrence Tabak, Dr. Kelly Ten Hagen

#908. Gemma Martin

Neurotrophin Signaling Enhances Salivary Gland Myoepithelial Cell Differentiation

Shenandoah University (Virginia)

Preceptors: Dr. Matthew Hoffman, Dr. Alex Chibly

#909. Alexander Morateck

Trpc3 Channel Gating Requires Localization at the Membrane Contact Site ER-PM Junctions

Macalester College (Minnesota)

Preceptor: Dr. Shmuel Muallem

#910. Henry Ohman

Control of STIM 1-Orai 1 Trafficking by Endoplasmic Reticulum Lipid Exchanges

University of Richmond (Virginia)

Preceptor: Dr. Shmuel Muallem

#911. Brad Olinger

Understanding Pluripotency in the Neural Crest

Johns Hopkins University (Maryland)

Preceptor: Dr. Laura Kerosuo

#912. Mary Pasquale

Neurotrophin Signaling Disrupts Myoepithelial and Duct Differentiation in Irradiated Salivary Glands

Georgetown University (District of Columbia)

Preceptors: Dr. Alejandro Chibly, Dr. Matthew Hoffman

#913. Carolyn Robb

The Role of Human Airway Trypsin/Differentially Expressed in Squamous Cell Carcinoma (HAT/DESC)-Like Proteases in Development and Tissue Remodeling

Colgate University (New York)

Preceptors: Dr. Thomas Bugge, Dr. Roman Szabo

#914. Carlos Villapudua

Acinar Cell Differentiation Requires MAPK Dependent FGFR2b Signaling

University of La Verne (California)

Preceptors: Dr. Marit Aure, Dr. Matthew Hoffman

#915. Rita Yazejian

Understanding the Role of Pluripotency Factors in the Neural Crest through in vivo Chick Studies

University of Oregon (Oregon)

Preceptor: Dr. Laura Kerosuo

#916. Yizhen Zhang

Characterization of the Rostral Ventromedial Medulla in Pain Modulation

University of California ,Berkeley (California)

Preceptor: Dr. Mark Hoon

National Institute of Environmental Health Sciences (NIEHS)

#917. Nicholas Alagna

Control of dNTP Pools and Their Role in Genome Integrity

University of Montevallo (Alabama)

Preceptor: Dr. Roel Schaaper

#918. Briana Bernstein

Increased Fear Sensitization in Females Is Estrous-cycle Independent

University of North Carolina at Chapel Hill (North Carolina)

Preceptor: Dr. Jesse Cushman

#919. Kamiya Bridges

Loss of Runx1 Leads to Development of Ovarian Pathologies

Winston-Salem State University (North Carolina)

Preceptor: Dr. Barbara Nicol

#920. Ethan Brown

A Role for DNA Polymerase REV1 in Base Excision Repair

Tufts University (Massachusetts)

Preceptor: Dr. Rajendra Prasad

#921. Sarah Chong

Mossy Fiber Inputs to Hippocampal Area CA2

Sally McDonnell Barksdale Honors College at The University of Mississippi (Mississippi)

Preceptors: Dr. Serena Dudek, Dr. Daniel Radzicki

#922. Robert Cochran

Histology Atlas of the Developing Mouse Placenta

University of North Carolina at Chapel Hill (North Carolina)

Preceptor: Dr. Susan Elmore

#923. Kathleen Embury

Detecting Epigenetic Effects of Poly Aromatic Hydrocarbon Exposure in Mouse Bone Marrow with DNA Methylation Array Analysis

Duke University (North Carolina)

Preceptors: Dr. Douglas Bell, Dr. Oswaldo Lozoya

#924. Sydney Fry

3D-printed Capacitive Sensor Objects for Object Recognition Assays

American University (District of Columbia)

Preceptor: Dr. Jesse Cushman

#925. Lauren Gullett

Neighborhood Social Cohesion and Serious Psychological Distress among Asian, Black, Hispanic/Latinx, and White Men and Women in the United States

University of North Carolina at Chapel Hill (North Carolina)

Preceptors: Dr. Chandra Jackson, Dr. Dana Alhasan

#926. Kiana Gunn

Investigating the Requirement of BAF60a in the Glucocorticoid Receptor-mediated Reduction of Cell Migration

University of Richmond (Virginia)

Preceptors: Dr. Laura Bisogno, Dr. Trevor Archer

#927. Suzanna Kafer

Potential Role of With-No-Lysine Kinase 1 (WNK1) in Oocyte Maturation

North Carolina State University (North Carolina)

Preceptors: Dr. Carmen Williams, Dr. Paula Stein

#928. Princess Kamuche

The Role of Stromal Ancestry in Mammary Gland Morphogenesis

Spelman College (Georgia)

Preceptors: Dr. Joseph Rodriguez, Dr. Laura Kammel

#929. Melissa Lowe

Air Pollutant Mixtures and Autoimmune Skin Disease Prevalence: Findings from the Personalized Environment and Genes Study

Colorado School of Public Health (Colorado)

Preceptor: Dr. Kyle Messier

#930. Sanya Mehta

Bacterial Activation of Lung Innate Immunity Affects Fibrosis Development

North Carolina State University (North Carolina)

Preceptors: Dr. Stavros Garantziotis, Dr. Yosuke Sakamachi

#931. Alexander Merder

Examining the CD8 T Cell Receptor Repertoire of Smokers

California Polytechnic State University, San Luis Obispo (California)

Preceptors: Dr. Douglas Bell, Dr. Suzanne Martos

#932. Sarvar Nazir

Performance of Commercial Wutoantibody Testing in Comparison to Recognized Gold Standards in Myositis Autoantibody Testing

New York University (New York)

Preceptor: Dr. Adam Schiffenbauer

#933. Ryan Oldridge

Phenotyping and Chemical Sensitivity of E. coli dGTPase mutants

Longwood University (Virginia)

Preceptor: Dr. Roel Schaaper

#934. Alyson Palia

Dynamic Regulation of Estrogen Receptor Heterogeneity in Single Cells

Kenyon College (Ohio)

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