Office of Intramural
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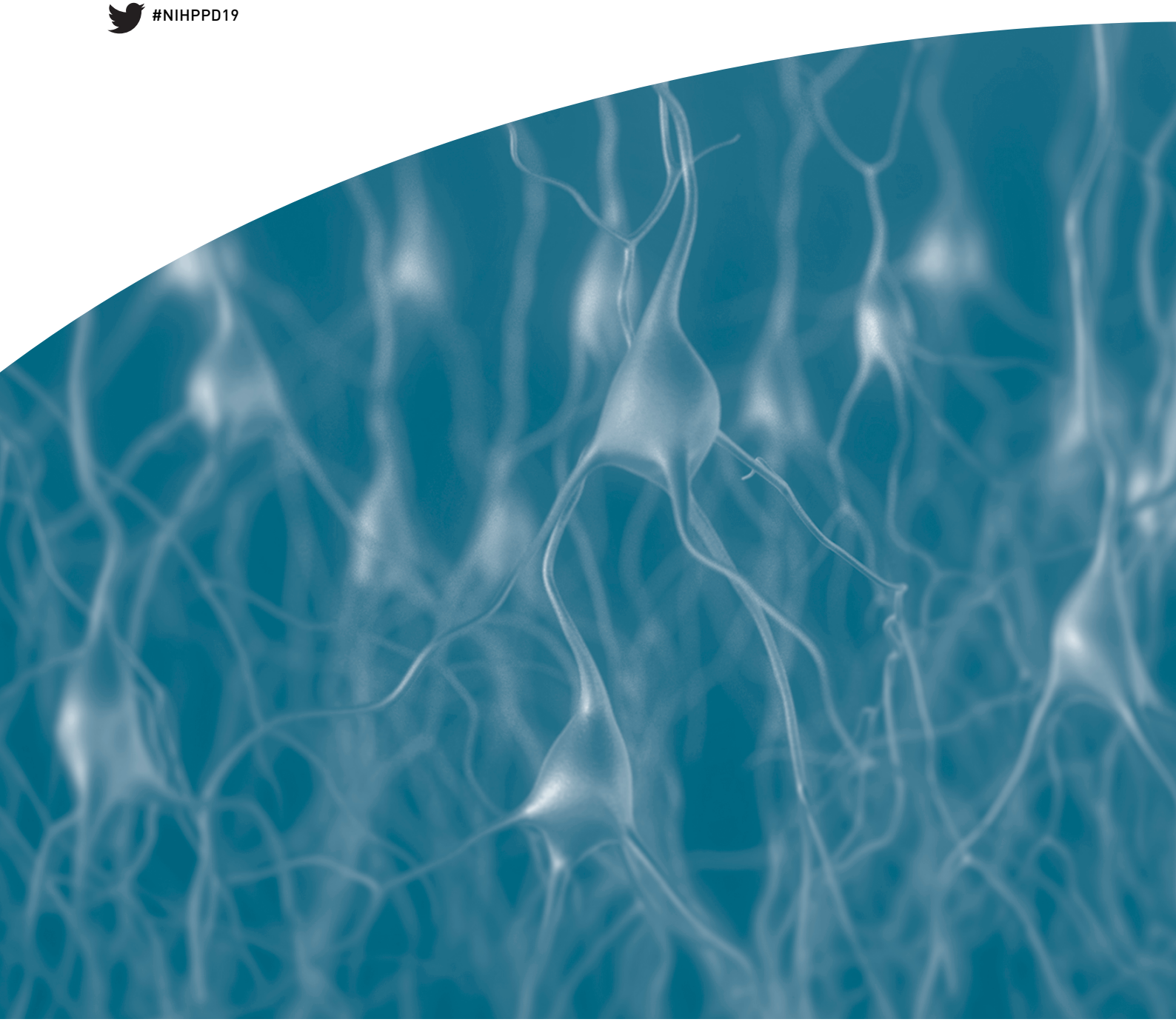
NIH POSTBAC POSTER DAY

MAY 2, 2019

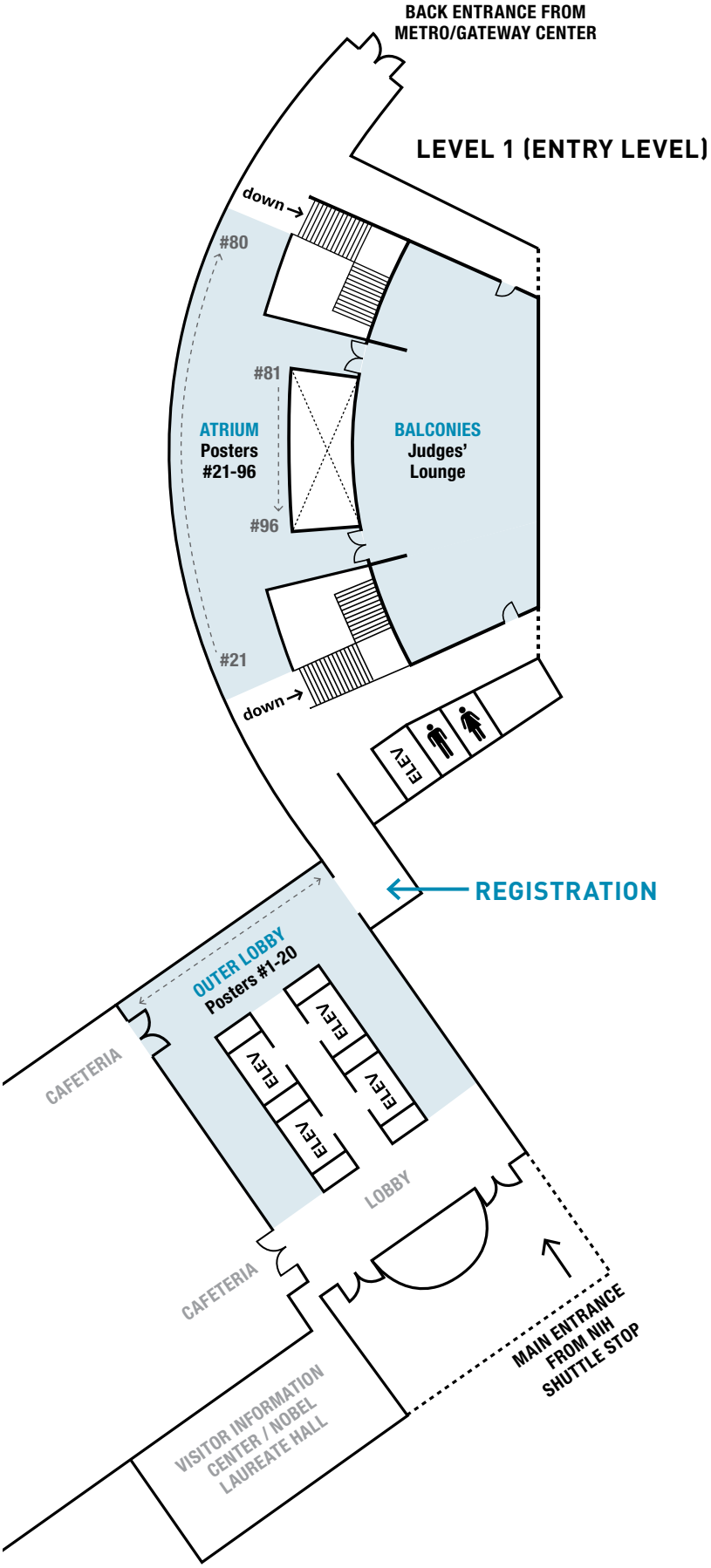
NIH NATCHER CONFERENCE CENTER, BETHESDA, MARYLAND

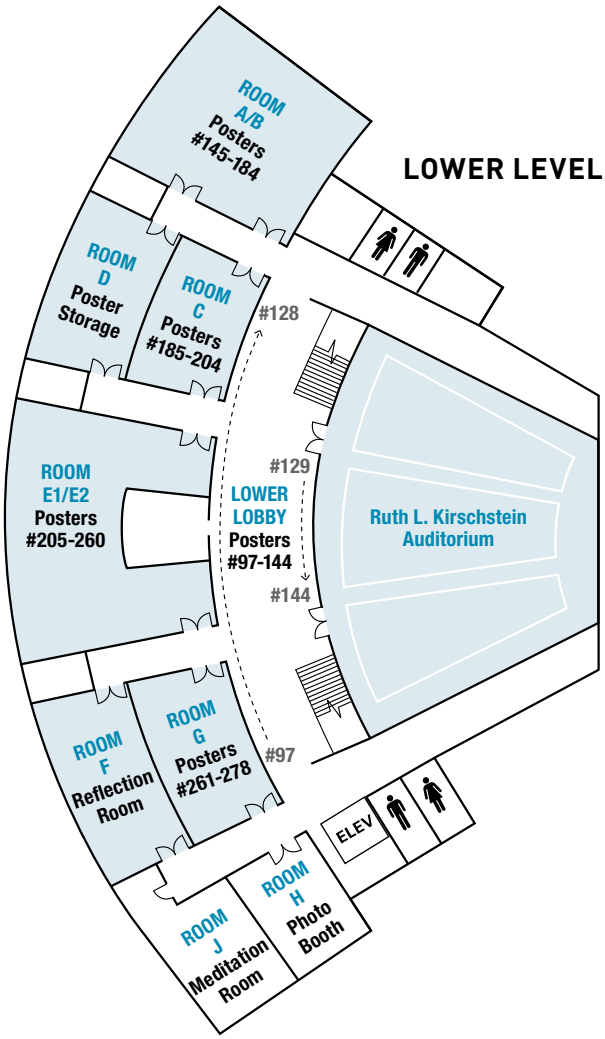
#NIHPPD19



NIH National Institutes of Health

NATCHER CONFERENCE CENTER





NATCHER CONFERENCE CENTER POSTER LOCATIONS

Posters are located in the Outer Lobby, Atrium, Lower Level Lobby, and Conference Rooms A/B, C, E1/E2, and G as indicated above. You may store your poster in Room D.

The Distinguished Mentor Award ceremony will be held in the Ruth L. Kirschstein Auditorium.

Postbaccalaureate Poster Day 2019 is organized by the Office of Intramural Training & Education, National Institutes of Health.

NIH POSTBACCALAUREATE POSTER DAY 2019

AM	MORNING SESSION	9:30 AM - 11:00 AM
LCH	LUNCH SESSION	11:00 AM - 12:30 PM
	POSTBAC DISTINGUISHED MENTOR AWARD	12:30 PM - 1:30 PM
PM	AFTERNOON SESSION	1:30 PM - 3:00 PM

SESSION	INSTITUTE OR CENTER	POSTER NUMBERS
AM	National Center for Advancing Translational Sciences (NCATS)	1-20
AM	National Center for Complementary and Integrative Health (NCCIH)	21-29
AM	National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)	30-52
AM	National Institute of Biomedical Imaging and Bioengineering (NIBIB)	53-57
AM	*Eunice Kennedy Shriver* National Institute of Child Health and Human Development (NICHD)	58-120
AM	National Institute of Dental and Craniofacial Research (NIDCR)	121-142
AM	National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)	143-189
AM	National Institute of Mental Health (NIMH)	190-278
LCH	Clinical Center (CC)	1-29
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PM	National Human Genome Research Institute (NHGRI)	145-174
PM	National Heart, Lung, and Blood Institute (NHLBI)	175-211
PM	National Institute of Neurological Disorders and Stroke (NINDS)	212-266
PM	National Institute of Nursing Research (NINR)	267-277

OTHER POSTER DAY ACTIVITIES

Reflection Room
Share your thoughts on your time at NIH – write, draw, or doodle
9:00 AM – 3:00 PM • Room F

Mindfulness Meditation
Relax before presenting your poster
9:10 – 9:25 AM or 10:30 – 10:45 AM
Room J

Photo Booth
Need a personal photo for LinkedIn?
10:30 – 11:30 AM or 2:00 – 2:30 PM
Room H

NOTE: the complete program for Postbac Poster Day 2019, including poster titles, can be found at https://www.training.nih.gov/assets/2019_Postbac_Poster _Day_Program.pdf.

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Preceptor: Dr. Harold Burgess, Dr. David Clark

103-AM. Wesley Schnapp
Regulation of the Mitochondria-Dynein Linkage in Axons
Cornell University (New York)
Preceptor: Dr. Catherine Drerup

104-AM. Elizabeth Schott
Targeting Different Diacylglycerol Kinase Isoforms to Various Organelles to Study Phosphatidic Acid Functions in Intact Cells
American University (District of Columbia)
Preceptor: Dr. Tamas Balla, Dr. Yeun Ju Kim

105-AM. Alexandra Sjaarda
Optimizing Western Blot Analysis of Obesity-related NLRP3 Inflammasome Activation
University of Chicago (Illinois)
Preceptor: Dr. Joshua Zimmerberg, Dr. Jack Yanovski

106-AM. Andrew Smith
Speech-language and Swallowing Functions in a CLN3-Batten Natural History Study Cohort
University of San Diego (California)
Preceptor: Dr. An Dang Do

107-AM. Carissa Stover
Investigating a Role for La Protein in an Innate Immune Signal Pathway via Shielding 5'-ppp-RNAs from Activating RIG-I
Wichita State University (Kansas)
Preceptor: Dr. Richard Maraia, Dr. Sandy Mattijssen

108-AM. Avery Swearer
Cavefish: A Model to Study Subcutaneous Fat Deposition
Carleton College (Minnesota)
Preceptor: Dr. Aniket Gore, Dr. Brant Weinstein

109-AM. Ndeah Terry
The Effect of Remuneration Schedule on Data Completion and Retention in the Pregnancy Eating Attributes Study (PEAS)
William Paterson University (New Jersey)
Preceptor: Dr. Tonja Nansel

110-AM. Lauren Tracy
Correlation of Expression of KRAB Zinc-finger Genes and Transposons in Cerebellum Tissue of 132 People
Clemson University (South Carolina)
Preceptor: Dr. Henry Levin, Dr. Todd Macfarlan

111-AM. Mai-Han Trinh
Trajectory and Predictors of Children's Screen Media Time
University of Maryland, Baltimore County (Maryland)
Preceptor: Dr. Edwina Yeung

112-AM. Franchesca Uribe-Rheinbolt
Discovery of Small Protein Regulators of bacterial Drug Efflux Pumps
Appalachian State University (North Carolina)
Preceptor: Dr. Gisela Storz, Dr. Mona Orr

113-AM. Sanan Venkatesh
Investigating Interneuron Epigenetics using Hi-C: Methodology and Analysis
University of California, Los Angeles (California)
Preceptor: Dr. Timothy Petros

114-AM. Gerard Walker
BORC Dependent Cholesterol Trafficking in Cells
Villanova University (Pennsylvania)
Preceptor: Dr. Juan Bonifacino, Dr. Jing Pu

115-AM. Kathleen Wendover
Identification of an Integrase-independent Pathway of Retrotransposition in Fission Yeast
Hendrix College (Arkansas)
Preceptor: Dr. Henry Levin

116-AM. Serena Wisner
The Role of Anxa11 in mitochondria Distribution in Axons
University of Washington (Washington)
Preceptor: Dr. Katie Drerup

117-AM. Josette Wlaschin
Dual Leucine Zipper Kinase Is Required for Mechanical Allodynia and Microgliosis after Nerve Injury
University at Buffalo (New York)
Preceptor: Dr. Claire Le Pichon

118-AM. Adrian Wong
Investigating the Role of MC3R in Adipose Tissue

Occidental College (California)
Preceptor: Dr. Jack Yanovski

119-AM. Joseph Yano
Characterizing the Role of Rhoa in Regulating Vascular Integrity
Washington & Jefferson College (Pennsylvania)
Preceptor: Dr. Laura Pillay

120-AM. Mojgan Yazdankhah
Validation of Target Compounds for the Therapeutic Intervention of Smith-Lemli-Opitz Syndrome
John Hopkins (Maryland)
Preceptor: Dr. Forbes Porter, Dr. Christopher Wassif

National Institute of Dental and Craniofacial Research (NIDCR)

121-AM. Alexandra Brady
Emerging New Data on Iron Regulation in the Brain
Salve Regina University (Rhode Island)
Preceptor: Dr. Eva Mezey

122-AM. Sydney Brown
Determination of the Clinical Usefulness of C-terminal FGF23 in the Differential Diagnosis of Hypophosphatemia
Virginia Commonwealth University (Virginia)
Preceptor: Dr. Michael Collins

123-AM. Katelyn Callies
Simultaneous Elimination of All Seven HAT/DESC Proteases from Mice Reveal a Unique Role of HAT-like 4 in Epidermal Barrier Formation
University of Wisconsin-Madison (Wisconsin)
Preceptor: Dr. Roman Szabo, Dr. Thomas Bugge

124-AM. Jamil Cherry
Dental Phenotyping of Collagen Type VI alpha 2 Knockout Mice
Howard University College of Dentistry (District of Columbia)
Preceptor: Dr. Marian Young

125-AM. Sophie Choi
3-O-Sulfated Heparan Sulfate Plays Distinct Roles in the Salivary Gland and Kidney
University of Virginia (Virginia)
Preceptor: Dr. Matthew Hoffman, Dr. Vaishali Patel

126-AM. Susan Chow
Effect of TRIM21 Mutant E38G on Antibody-dependent Intracellular Neutralization
New York University (New York)
Preceptor: Dr. Blake Warner, Dr. Jay Chiorini

127-AM. Thomas Earnest
Nppb Neurons Are Sensors of Mast Cell-Induced Itch
King's College London (Non-U.S.)
Preceptor: Dr. Juergen Solinski, Dr. Mark Hoon

128-AM. Camilo Echeverria
Investigating the Role of Btbd7 in Regulating Neural Crest cell EMTs within the Chicken and Mouse Model
California State University, Northridge (California)
Preceptor: Dr. Andrew Schiffmacher Schiffmacher, Dr. Laura Kerosuo

129-AM. Mousa Ghannam
Myoepithelial Regulation of Collagen Production via Neurotrophin Signaling in Irradiated Salivary Glands
Kalamazoo College (Michigan)
Preceptor: Dr. Augustin Chibly, Dr. Matthew Hoffman

130-AM. Jenny Hsin
Studies on the Formation of the Neural Crest Stem Cell Niche
California Institute of Technology (California)
Preceptor: Dr. Laura Kerosuo

131-AM. Christina Jones
The Effect of Neurturin (NRTN) on Irradiated Porcine Parotid Salivary Glands in vivo
University of Detroit Mercy (Michigan)
Preceptor: Dr. Vaishali Patel, Dr. Matthew Hoffman

132-AM. Cyrus Keyvanfar
Quantitative Craniofacial Morphometric Analysis of TGFβ-opathies
University of Virginia (Virginia)
Preceptor: Dr. Janice Lee

133-AM. Emma Macdonald
Transcriptome Analysis of Mouse Trigeminal Ganglion during Inflammation.
New York University (New York)
Preceptor: Mr. Bradford Hall, Dr. Ashok Kulkarni

134-AM. Carolyn May
Analysis of Mucin Expression in Drosophila Tissues during Development

University of Richmond (Virginia)
Preceptor: Dr. Zulfeqhar Syed, Dr. Kelly Ten Hagen

135-AM. Henry Ohman
Control of STIM1-Orai1 Trafficking by Endoplasmic Reticulum Lipid Exchanges
University of Richmond (Virginia)
Preceptor: Dr. Shmuel Muallem

136-AM. Tracy Okine
Cdk5 Inhibitory Peptide Attenuates Acute Orofacial Inflammation
Ohio State University (Ohio)
Preceptor: Dr. Michaela Prochazkova, Dr. Ashok Kulkarni

137-AM. Gabriella Peluso
Loss of Galnt3 Disrupts Muc10 Glycosylation and Alters the Oral Microbiome
Rutgers University (New Jersey)
Preceptor: Dr. E Tian, Dr. Kelly Ten Hagen

138-AM. Kathryn Reindel
Investigating Neuronal Mechanisms of Chronic Neuropathic Pain and Inflammatory Pain in a Mouse Model
College of Wooster (Ohio)
Preceptor: Dr. Mark Hoon

139-AM. Hayley Reynolds
A Characterization of Tango1 in Secretory Granule Biogenesis of Drosophila Salivary Glands
University of Georgia (Georgia)
Preceptor: Dr. Kelly Ten Hagen, Dr. Liping Zhang

140-AM. Gabe Rice
Role of the Microbiome in Saliva Secretion
Kalamazoo College (Michigan)
Preceptor: Dr. Shumel Muallem

141-AM. Christopher Rudmann
Immunohistochemical Targeting of Immune Cells in Murine GVHD
Carnegie Mellon University (Pennsylvania)
Preceptor: Dr. Jacqueline Mays, Dr. Ana Costa da Silva

142-AM. Collin Tran
Plasminogen Deficiency Leads to Periodontal Immunopathology
University of Michigan (Michigan)
Preceptor: Dr. Thomas Bugge, Dr. Lakmali Silva

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

143-AM. Jessica Aduwo
High Allostatic Load Score Is Associated with Diabetes Risk Factors: The Africans in America Study
Smith College (Massachusetts)
Preceptor: Dr. Anne Sumner

144-AM. Abdul-Latif Armiyaw
Greater Pancreatic Beta-cell Responsivity in African American Adults Compared to Caucasian Adults Despite Similar Insulin Sensitivity
Bowdoin College (Maine)
Preceptor: Dr. Ranganath Muniyappa

145-AM. Ethan Baratz
Vitamin E Treats Hepatic Steatosis and Lipid Peroxidation Induced by Knockout of the Iron Chaperone PCBP1
Vassar College (New York)
Preceptor: Dr. Caroline Philpott

146-AM. Rosie Bauer
CRISPR-Cas9 Editing in C. elegans*: Applications in Disease Modeling and Drug Screening*
Lawrence University (Wisconsin)
Preceptor: Dr. Andy Golden

147-AM. Lars Benner
Analyzing ALG-2 Mediated mir-35 Family Regulation and the mir-35 Family Role in Sex Determination in C. elegans
University of Tampa (Florida)
Preceptor: Dr. Katherine McJunkin

148-AM. Hailey Blain
Ormdls Regulate Myelination by Restraining Excessive Sphingolipid Synthesis
Bowdoin College (Maine)
Preceptor: Dr. Richard Proia, Dr. Maria Allende

149-AM. Jeffrey Boakye
Identification and Biological Consequences of O-GlcNAc Cycling on the Developmental Protein, OTX2
Philander Smith College (Arkansas)
Preceptor: Dr. Stephanie Olivier-Van Stichelen, Dr. John Hanover

150-AM. Sara Briker
A1C in Africans Detects Dysglycemia at a Lower Rate Than the OGTT: Lessons from the Africans in America Study
Villanova University (Pennsylvania)
Preceptor: Dr. Anne Sumner

151-AM. Lieza Chan
Improving Homogeneity of Dynamin-decorated Lipid Tubes for Cryo-EM Helical Reconstruction through Diameter Sorting
Skidmore College (New York)
Preceptor: Dr. Andrew Kehr, Dr. Jenny Hinshaw

152-AM. Renee Ti Chou
RNA-Seq Imputation Using Bayesian Networks Constructed with Gene Co-expression Networks
Johns Hopkins University (Maryland)
Preceptor: Dr. Elissa Lei, Dr. Cameron Palmer

153-AM. Ellen Conway
Non-nutritive Sweetener Exposure Begins Early in Life
George Washington University (District of Columbia)
Preceptor: Dr. Kristina Rother

154-AM. Celeste Cravalho
Metformin Improves Glycemia by Increasing Gut Hormone Concentrations in Youth with Type 2 Diabetes
Hawaii Pacific University (Hawaii)
Preceptor: Dr. Stephanie Chung

155-AM. Brianna Daley
Radiolabeled Somatostatin Analog 86Y-DOTA-EB-TATE is Characterized by Superior Tumor Uptake Compared to 68Ga-DOTA-TATE and 68Ga-DOTA-JR11 in Thyroid Cancer Mice Models
Marist College (New York)
Preceptor: Dr. Joanna Klubo-Gwiezdzinska, Dr. Shilpa Thakur

156-AM. Joshua Dawson
Regulation of Fgf21 Expression by Nutrient-dependent O-GlcNAcylation
University of Washington (Washington)
Preceptor: Dr. Lara Abramowitz, Dr. John Hanover

157-AM. Andin Fosam
Minimal-model Derived Insulin Sensitivity Index Underestimates Insulin Sensitivity in African Americans
University of Pittsburgh (Pennsylvania)

Preceptor: Dr. Raganath Muniyappa

158-AM. Carina Graham
Modeling NGLY1 Deficiency in C. elegans
Eckerd College (Florida)
Preceptor: Dr. Andy Golden

159-AM. Shivraj Grewal
Short-term Mifepristone Treatment Improves Hepatic and Adipose Tissue Insulin Sensitivity in Overweight and Obese Subjects with Glucose Intolerance
University of Chicago (Illinois)
Preceptor: Dr. Ranganath Muniyappa, Dr. Lynnette Nieman

160-AM. Acadia Grimme
Elucidating the Role of the miR-100 Family in C. elegans
University of Delaware (Delaware)
Preceptor: Dr. Katherine McJunkin

161-AM. Brianna Halasa
NMR Derived Lipoprotein Analysis and Insulin Resistance Index (LPIR): How Do They Compare with Standard Lipid Results and HOMA-IR?
Smith College (Massachusetts)
Preceptor: Dr. Kristina Rother

162-AM. Laura Hertz
Hepatitis C Virus Infection Downregulates miR-122 and Leads to an Increase in Lipogenesis through NF-κB-Inducing Kinase
Case Western Reserve University (Ohio)
Preceptor: Dr. Jake Liang

163-AM. Hadjira Ishaq
Coronary Arterial Wall Thickening and Association with Myocardial Diastolic Function in HIV
University of Maryland, College Park (Maryland)
Preceptor: Dr. Ahmed Gharib, Dr. Jatin Matta

164-AM. James Johnson
Plasma Metabolites Influence Myocardial Glucose Uptake
Duke University (North Carolina)
Preceptor: Dr. Aaron Cypess

165-AM. Meera Kattapuram
Role of HBcAg and HBsAg Expression in Outcome and Response to Antiviral Therapy in Patients with Chronic Hepatitis B
Cornell University (New York)

Preceptor: Dr. Marc Ghany

166-AM. Alexandra Kinzer
Diagnostic Tests to Distinguish between Post-receptor and Receptor-level Insulin Resistance
Purdue University (Indiana)
Preceptor: Dr. Rebecca Brown

167-AM. Claire Kittock
Pathogenic Missense Variants in GNB5: In silico and in vitro Analysis
Colgate University (New York)
Preceptor: Dr. William Simonds, Dr. Jianhua Zhang

168-AM. Dennis Lin
Protein Interactions of Hepatic Retinol Dehydrogenase HSD17B13
University of North Carolina at Chapel Hill (Maryland)
Preceptor: Dr. Yaron Rotman

169-AM. Nicole Lue
Discovery of G Protein beta 5 as a Novel Genetic Risk Factor for Alzheimer's Disease
Colgate University (New York)
Preceptor: Dr. William Simonds, Dr. Jianhua Zhang

170-AM. Christopher Ma
Development of a First-in-class Fusion Inhibitor against Diverse and multi-drug-resistant HCV Strains
University of Maryland, College Park (Maryland)
Preceptor: Dr. Jake Liang, Dr. Zongyi Hu

171-AM. Sarah Malik
Thyrotropin Receptor Activation Can Lead to Biphasic Regulation of cAMP Production Mediated by Gs and Gi/o Proteins
University of Maryland, College Park (Maryland)
Preceptor: Dr. Marvin Gershengorn, Dr. Susanne Neumann

172-AM. Celine Marlin Andrews, Alexandra Elchert
CRISPR Genome Editing Strategies to Elucidate Function of piRNA Pathway Genes in Ovarian Somatic Sheath Cells (OSC)
Colgate University (New York), College of Wooster (Ohio)
Preceptors: Dr. Astrid Haase

173-AM. Nanami Miyazaki
Hyperdopaminergic States Enhance Orbitofrontal-Striatal Pathway Efficacy in vivo
Purdue University (Indiana)
Preceptor: Dr. Alexxai Kravitz

174-AM. Caitlin Moffatt
Increased Nucleus-to-cell Volume Ratios upon Crm1 Inhibition in the Budding Yeast S. cerevisiae
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Orna Cohen-Fix

175-AM. Allison Mogul
Brs3 Expressing Neurons in the Preoptic Area: Role in Body Temperature Regulation.
Hamilton College (New York)
Preceptor: Dr. Marc Reitman

176-AM. Jovana Navarrete
Defined Paraventricular Hypothalamic Populations Exhibit Differential Responses to Food Contingent on Caloric State
University of California, Merced (California)
Preceptor: Dr. Michael Krashes, Dr. Chia Li

177-AM. Tommy O'Haren
Epigenomic and Transcriptomic Profiling of Brown Adipogenesis in vivo
Wake Forest University (North Carolina)
Preceptor: Dr. Young-Kwon Park, Dr. Kai Ge

178-AM. Alana O'Mara
Chronic Exposure to a β3-Adrenergic Receptor Agonist Increases Brown Adipose Tissue Metabolic Activity and Resting Energy Expenditure and Improves Tissue Glucose Uptake and Insulin Secretion in Healthy Female Adults
Michigan State University (Michigan)
Preceptor: Dr. Aaron Cypess

179-AM. Jonathan Pham
A Potential Anti-diabetic Drug That Stimulates Insulin Secretion through the Positive Allosteric Modulation of Beta-cell M3 Muscarinic Receptors
Universdity of California, San Diego (California)
Preceptor: Dr. Jurgen Wess

180-AM. Ngan Phung
Binding Affinity of Novel P2Y14 Receptor Antagonists Determined Using a Fluorescent Assay
Rutgers University (New Jersey)
Preceptor: Dr. Kenneth Jacobson

181-AM. Hannah Schmidt
Characterizing Nsd2 Enzymatically Inactive Mice
University of Florida (Florida)
Preceptor: Dr. Ji Eun Lee, Dr. Kai Ge

182-AM. Ronit Schwartz
CRISPR Screening for Genes Important in Sphingolipid Uptake and Recycling
Johns Hopkins University (Maryland)
Preceptor: Dr. Mari Kono, Dr. Richard Proia

183-AM. Shruthi Shankar
Racial Differences in Disease Severity in Patients with Chronic Hepatitis B
University of Pittsburgh (Pennsylvania)
Preceptor: Dr. Marc Ghany

184-AM. Julia Sproch
Identification of Novel Anti-hepatitis B Virus Agents by High Throughput Screen in a Cell-based Infection Assay
La Salle University (Pennsylvania)
Preceptor: Dr. Yuchen Xia, Dr. Xiaoming Cheng

185-AM. Abigail Stanton
Biochemical and Structural Characterization of a Spastic Paraplegia-linked Mutant of the Membrane Fission GTPase, Dynamin 2
Colgate University (New York)
Preceptor: Dr. Jenny Hinshaw, Dr. John Jimah

186-AM. Aisha Tepede
18F-FDOPA PET/CT Accurately Identifies Pheochromocytoma in 76-year-old Male with MEN1
University of Illinois at Urbana-Champaign (Illinois)
Preceptor: Dr. Jenny Blau

187-AM. Andrew Tobey
Urine Iodine Excretion Exceeding 250 µg/24h Is Associated with Higher Likelihood of Progression in Intermediate and High-risk Thyroid Cancer Patients Treated with Radioactive Iodine
University of Nevada, Reno (Nevada)
Preceptor: Dr. Joanna Klubo-Gwiezdzinska

188-AM. Nhien Tran
MED1 Is a Lipogenesis Coactivator Required for Postnatal Adipose Tissue Development
University of Maryland, College Park (Maryland)
Preceptor: Dr. Younghoon Jang, Dr. Kai Ge

189-AM. Isabella Zafra Martinez
Creation of a Database of C. elegans *Orthologs for Human Rare Disease Genes*
York College of Pennsylvania (Pennsylvania)
Preceptor: Dr. Andy Golden

National Institute of Mental Health (NIMH)

190-AM. Alla Abdelwahab
The Use of 3D Tracking Software to Assess Behavioral Interactions in Freely Behaving Marmosets
Johns Hopkins University (Maryland)
Preceptor: Dr. Rebecca Berman, Dr. David Leopold

191-AM. Oluwatobi Abubakare
Behavioral Effects of Dopamine in a Risky Decision-making Task
University of Rochester (New York)
Preceptor: Dr. Gloria Laryea, Dr. Yogita Chudasama

192-AM. Courtney Agorsor
The Relationship between Demographic and Clinical Factors in Pediatric Irritability Johns Hopkins University (Maryland)
Preceptors: Dr. Ramaris German, Dr. Melissa Brotman

193-AM. Sara Ahmed
*Does Emotion Modulate Attentional Effects on Objective and Subjective Perception?*Case Western Reserve University (Ohio)
Preceptor: Dr. Leslie Ungerleider, Dr. Marine Vernet

194-AM. William Altekruse
Assessing Hippocampal Activity Using the Mnemonic Similarity Task: A Magnetoencephalography Study
Johns Hopkins School of Public Health (Maryland)
Preceptor: Dr. Zhi-De Deng

195-AM. Shriya Awasthi, Shannon Exley
The Effect of Ketamine on Resting State EEG
Johns Hopkins University (Maryland), American University (District of Columbia)
Preceptors: Dr. Zhi-De Deng, Dr. Sarah Lisanby

196-AM. Mira Bajaj
Updating Conditioned Fear Associations in Anxious and Healthy Youth
University of Pennsylvania (Pennsylvania)
Preceptor: Dr. Rany Abend, Dr. Daniel Pine

197-AM. Alexis Beale, Madeline Goodwin
Exploring the Relationship between Working Memory, State Anxiety, and Clinical Anxiety
University of Maryland, College Park (Maryland), Johns Hopkins University (Maryland)
Preceptors: Dr. Christian Grillon, Dr. Monique Ernst

198-AM. Kathleen Berkun
Classification and Characterization of Galanin Receptor I Expressing Neurons in Frontal and Temporal Regions in Rats
McGill University (Non-U.S.)
Preceptor: Dr. Fany Messanvi, Dr. Yogita Chudasama

199-AM. Simon Bohn
Behavioral Detection of Optogenetic Cortical Stimulation in Macaque Inferior Temporal Cortex
Johns Hopkins University (Maryland)
Preceptor: Dr. Arash Afraz

200-AM. William Booker
Feasibility of Administering the Death/Suicide Implicit Association Test among Pediatric Medical Inpatients
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Lisa Horowitz

201-AM. Christian Botz-Zapp
Computer-based Interpretation Bias Training for Youth with Severe Irritability: A Double-blind, Randomized, Placebo-controlled Trial
Emory University (Georgia)
Preceptor: Dr. Simone Haller, Dr. Melissa Brotman

202-AM. Hong Bui
Patterns of Parenting and Psychiatric Symptoms in Youth: A Latent Profile Analysis
Yale University (Connecticut)
Preceptor: Dr. Julia Linke, Dr. Katharina Kircanski

203-AM. Nicholas Bulthuis
The Effects of Anesthesia on Hippocampal Neurogenesis in Adult Rats
Loyola University Chicago (Illinois)
Preceptor: Dr. Heather Cameron, Dr. Jenny Kim

204-AM. Grace Cavanaugh
Heart Rate Variability in Patients with Treatment-resistant Depression and Healthy Controls after Treatment with Ketamine
College of the Holy Cross (Massachusetts)
Preceptor: Dr. Jennifer Evans

205-AM. Katharine Chang
A Closed-loop Adaptive Methodology for Tracking Mood-RPE Sensitivity
Washington University in St. Louis (Missouri)
Preceptor: Dr. Argyris Stringaris, Dr. Hanna Keren

206-AM. Anna Corriveau
Temporal Dynamics of Memory Recall for Familiar People and Places
University of Wisconsin- Madison (Wisconsin)
Preceptor: Dr. Chris Baker

207-AM. Kiana Dash
Efficient Chemogenetic Vector Coverage in the Monkey Amygdala Visualized by 3D Representations
Hampton University (Virginia)
Preceptor: Dr. Walter Lerchner, Dr. Barry Richmond

208-AM. Rachel Dick
PET imaging of [11C](R)(-)NR2B-Me, a Novel Radioligand for the NR2B Subunit of the NMDA Receptor, in Rats and Rhesus Macaques
University of Virginia (Virginia)
Preceptor: Dr. Robert Innis

209-AM. Adam Dickter
Impact of Developing Perceptual Expertise on Eye Fixations
Carnegie Mellon University (Pennsylvania)
Preceptor: Dr. Chris Baker

210-AM. Elisa Dumett
The Effect of the TRKB Polymorphism and Urban Upbringing on Hippocampal Coupling during Episodic Memory
University of California, Los Angeles (California)
Preceptor: Dr. Joseph Callicott

211-AM. Cassandra Dumont
Dimensional Measures in Bipolar Disorder: Validity and Relation to Polygenic Risk Scores in Anabaptist Populations
Salem State University (Massachusetts)
Preceptor: Dr. Francis McMahon

212-AM. Elena Esch
Investigation of Stereoscopic Depth Sensitivity in Face-selective Neurons in the Macaque
Lafayette College (Pennsylvania)
Preceptor: Dr. Aidan Murphy, Dr. David Leopold

213-AM. Shannon Exley
The Effect of Ketamine on Transcranial Magnetic Stimulation Evoked Potentials
American University (District of Columbia)
Preceptor: Dr. Zhi-De Deng, Dr. Sarah Lisanby

214-AM. Jessica Fields
Magnetoencephalography of the Suicide Implicit Association Task
Lafayette College (Pennsylvania)
Preceptor: Dr. Jessica Gilbert, Dr. Elizabeth Ballard

215-AM. Grace Fomani
Lesion Reconstructions Support Evidence against a Simple Sequential High-level Visual Object Processing in Monkeys
Tuskegee University (Alabama)
Preceptor: Dr. Mark Eldridge

216-AM. Beth Foote
Emotional Reactivity and Social Anxiety Disorder: Evidence from Real Time Mobile Assessments
Davidson College (North Carolina)
Preceptor: Dr. Kathleen Merikangas

217-AM. Michael Frankland
In vivo and in vitro Blood Cellular Partitioning Kinetics May Affect Plasma Input Function Determination of COX-1 Radioligand 11C-PS13
Vanderbilt University (Tennessee)
Preceptor: Dr. Sami Zoghbi

218-AM. Natalie Freedgood
The Role of Adult Neurogenesis in an Ambiguous Cue Test
Trinity College (Connecticut)
Preceptor: Dr. Rose-Marie Karlsson, Dr. Heather Cameron

219-AM. Gabrielle Freitag
ADHD, Irritability, and Inhibitory Control in a Transdiagnostic Sample of Youth
Vanderbilt University (Tennessee)
Preceptor: Dr. Elise Cardinale, Dr. Daniel Pine

220-AM. Jason Fu
Using Laminar fMRI to Probe Affective Processing in V1
Swarthmore College (Pennsylvania)
Preceptor: Dr. Tong Liu

221-AM. James Gooding
Multisynaptic Retrograde Projections of Medial Septum
Michigan Technological University (Michigan)
Preceptor: Dr. Gurueswar Nagarajan, Dr. Yogita Chudasama

222-AM. Hannah Grassie
Translating a Non-human Primate Behavioral Paradigm to Probe Psychopathology in Youth: A Cross-species Study of Threat-Approach Behavior
New York University (New York)
Preceptor: Dr. Reut Naim, Dr. Melissa Brotman

223-AM. Anna Grassy
Genetic Risk for Autism Spectrum Disorders Is Related to Gyrification in Healthy Adults
University of Wisconsin-Madison (Wisconsin)
Preceptor: Dr. Karen Berman

224-AM. Ankush Gupta
Anatomical Characterization of Dynorphin-Kappa Opioid Receptor (KOR) System in Glutamatergic and GABAergic Neurons within the mPFC
Virginia Commonwealth University (Virginia)
Preceptor: Dr. Hugo Tejeda, Dr. Huikun Wang

225-AM. Lillian Ham
Clinical Predictors of Neurocognitive Performance in ART-treated HIV+ Patients
Temple University (Pennsylvania)
Preceptor: Dr. Joseph Snow

226-AM. Chris Higham
Mechanisms Underlying Stress-induced Blood Brain Barrier Breakdown
Colgate University (New York)
Preceptor: Dr. Stacey Kigar, Dr. Miles Herkenham

227-AM. Austin Howley
Optimizing Arc-tTA Transgenic Model towards Identifying Social Memory Engrams
Emory University (Georgia)
Preceptor: Dr. Su Hyun Lee, Dr. Scott Young

228-AM. Sarah Jackson
A Longitudinal Study of Reward Processing in Adolescents with Depression
Duke University (North Carolina)
Preceptor: Dr. Pablo Vidal-Ribas, Dr. Argyris Stringaris

229-AM. Clarissa James
Dissociation of Facial Expression and Viewpoint Processing in the Macaque Brain
University of Southern California (California)
Preceptor: Dr. Jessica Taubert

230-AM. Emily Jones
An Analysis of Attention Bias in Anxious and Healthy Youth Using Drift Diffusion Modeling
Cornell University (New York)
Preceptor: Dr. Julia Linke, Dr. Melissa Brotman

231-AM. Fernanda Juarez Anaya
Human Biodistribution and Dosimetry of 11C-PS13, a Novel Radioligand for Cyclooxygenase-1
St. Bonaventure University (New York)
Preceptor: Dr. Robert Innis

232-AM. Arman Khojandi
Comparing Synchrony of Brain Activity Evoked by Different Video Clips via Inter-subject Correlation
George Mason University (Virginia)
Preceptor: Dr. Emily Finn, Dr. Peter Bandettini

233-AM. Alexis Kidder
Distinct Subdivisions of Medial Parietal Cortex during Memory Recall of People and Places
State University of New York at Geneseo (New York)
Preceptor: Dr. Chris Baker

234-AM. Billy Kim
Single Nucleus RNA-seq in the Human Dorsolateral Prefrontal Cortex and Subgenual Anterior Cingulate: Implications for Psychiatric Disorders
Johns Hopkins University (Maryland)
Preceptor: Dr. Stefano Marenco

235-AM. Elizabeth Kitt
Examining the Relationship between Behavioral Avoidance and Attention Bias to Threat in Pediatric Anxiety: A Pilot Study Combining Motion- and Eye-tracking Technologies
Yale University (Connecticut)
Preceptor: Dr. Rany Abend, Dr. Anita Harrewijn

236-AM. Andrew Kittleson
Genetic Risk for Attention-Deficit/Hyperactivity Disorder Is Associated with Regional Gray Matter Volume in Healthy Adults
Northwestern University (Illinois)
Preceptor: Dr. Karen Berman

237-AM. Elissa Koele
Investigating the Regions and Circuitry Mediating Visual Statistical Learning
Carleton College (Minnesota)
Preceptor: Dr. Susheel Kumar

238-AM. Kaela Kuitchoua
Polygenic Score for Intelligence Is Associated with fMRI Activation during Working Memory in Patients with Schizophrenia
Emory University (Georgia)
Preceptor: Dr. Joseph Callicott

239-AM. Wan Kwok
Distortion of Memory Drawings for Real-world Scenes by the Presence of Incongruent Objects
Northwestern University (Illinois)
Preceptor: Dr. Chris Baker, Dr. Wilma Bainbridge

240-AM. Amy Lieberman
Testing for Different Profiles of Polygenic Scores across Schizophrenia Symptom Subgroups
Northwestern University (Illinois)
Preceptor: Dr. Dwight Dickinson

241-AM. Alexander Liu
Food for Thought: Neural Representation of Food in the Brain
Emory University (Georgia)
Preceptor: Dr. Alex Martin, Dr. Jason Avery

242-AM. Diana Lopez
Familial and Individual Risk Factors for Suicide Attempts
Calvin College (Michigan)
Preceptor: Dr. Kathleen Merikangas

243-AM. Colin Lynch
Radiofluorination of Diarylselenoxides and Diarylselenones for the Synthesis of [18F]Fluoroaryl PET Radioligands
Northwestern University (Illinois)
Preceptor: Dr. Victor Pike, Dr. Fabrice Simeon

244-AM. Rosie Mahoney
Clinical Validation of the DSM-5 Self-rated Level 1 Cross-cutting Symptom Measure Adult to Screen Healthy Volunteers for Research Studies
Dartmouth College (New Hampshire)
Preceptor: Dr. Joyce Chung

245-AM. Nihita Manem
Effects of Amygdala Lesions on Stimulus-based versus Action-based Reinforcement Learning
University of Pittsburgh (Pennsylvania)
Preceptor: Dr. Bruno Averbeck

246-AM. Colin McArdle
Morphological Consequences of Chronic Sleep Restriction during Neurodevelopment
Virginia Polytechnic Institute and State University (Virginia)
Preceptor: Dr. Carolyn Smith, Dr. Rachel Saré

247-AM. Mariko McDougall
Lateral Prefrontal Neurons in Monkeys Are Excited or Inhibited by Visual Stimuli Predictive of Reward
McGill University (Non-U.S.)
Preceptor: Dr. Rossella Falcone

248-AM. Elisabeth Mistur, Glennis Muldoon
Prevalence Estimates of Comorbid Autism Spectrum Disorder and Intellectual Disability
Cornell University (New York), University of California, San Diego (California)
Preceptors: Dr. Audrey Thurm

249-AM. Nahom Mossazghi
3D-printed Designs to Support Wireless Electrode Recordings in Freely Behaving Marmoset
University of Minnesota - Twin Cities (Minnesota)
Preceptor: Dr. Rebecca Berman, Dr. David Leopold

250-AM. Glennis Muldoon, Elisabeth Mistur
Measuring the Stress, Strain and Burden Associated with Parenting a Child with a Neurogenic Condition
University of California, San Diego (California), Cornell University (New York)
Preceptors: Dr. Audrey Thurm

251-AM. Sekinat Mumuney
Silencing the ChATter: Using shRNAs to Down-regulate Choline Acetyltransferase Activity in the Monkey Striatum
Mercer University (Georgia)
Preceptor: Dr. Walter Lerchner, Dr. Barry Richmond

252-AM. Michelle Noh
The Effect of Ketamine on Somatosensory Evoked Potentials in Patients with Treatment Resistant Depression
Massachusetts Institute of Technology (Massachusetts)
Preceptor: Dr. Zhi-de Deng

253-AM. Stephany Nti
Lennula: An Innovative Solution for Reliable in vivo Calcium Imaging in the Primate Brain
West Virginia University (West Virginia)

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

254-AM. Jonah Pearl
Differences in Image Recognition Performance after Lesions of Adjacent Temporal Areas
Yale University (Connecticut)
Preceptor: Dr. Mark Eldridge, Dr. Barry Richmond

255-AM. Dominique Phillips
Math Anxiety: An Exploration of the Relationship between Academic Fearfulness and Pediatric Anxiety
University of Maryland, College Park (Maryland)
Preceptor: Dr. Ashley Smith, Dr. Daniel Pine

256-AM. Chelsie Poffenberger
Stress-induced Blood-Brain Barrier Dysfunction: Elements of Vascular Injury and repair
Auburn University (Alabama)
Preceptor: Dr. Michael Lehmann, Dr. Miles Herkenham

257-AM. Alina Quach
Temporal Distance Modulates Neural Ccorrelates of Overt Autobiographical Memory Retrieval
University of Pittsburgh (Pennsylvania)
Preceptor: Dr. Adrian Gilmore, Dr. Alex Martin

258-AM. Gabrielle Reimann
Social Processing in Autism Spectrum Disorders Using Machine Learning Approach to Image Segmentation
James Madison University (Virginia)
Preceptor: Dr. Michal Ramot, Dr. Alex Martin

259-AM. Olga Revzina
Test-retest Reliability of Neural Activation during Frustration
Bates College (Maine)
Preceptor: Dr. Simone Haller

260-AM. Sophia Robert
Electrophysiological Investigation of Posterior Curvature-biased Patches in Monkeys
Williams College (Massachusetts)
Preceptor: Dr. Xiaomin Yue

261-AM. Shakira Rodriguez Gonzalez
Characterization of the Paraventricular Nucleus of the Thalamus in Food Seeking.
University of Puerto Rico (Puerto Rico)
Preceptor: Dr. Sofia Beas, Dr. Mario Penzo

262-AM. Linnea Sepe-Forrest
Effects of Ketamine on Emotional Face Processing in Major Depression: A Magnetoencephalography Study
University of California, Los Angeles (California)
Preceptor: Dr. Allison Nugent

263-AM. Jalene Shim
Mechanism of Action of Chemogenetic DREADD Activator Clozapine-N-oxide in the Rhesus Monkey
University of California, Berkeley (California)
Preceptor: Dr. Mark Eldridge

264-AM. Leah Sorcher
Longitudinal Trajectories of White Matter Integrity in Children with Williams Syndrome
University of Pennsylvania (Pennsylvania)
Preceptor: Dr. Karen Berman

265-AM. Sara Stahl
Working Memory Manipulation under Elevated State Anxiety
University of Texas at Austin (Texas)
Preceptor: Dr. Christian Grillon, Dr. Nicholas Balderston

266-AM. Caitlin Stavish
A Meta-analysis of White Matter Microstructure in Bipolar Youths and Adults
Boston University (Massachusetts)
Preceptor: Dr. Julia Linke

267-AM. Noah Steinberg
Neural Correlates of the Double-drift Illusion
Lafayette College (Pennsylvania)
Preceptor: Dr. Elisha Merriam

268-AM. Louise Stolz
PET Imaging of Phosphodiesterase-4 in Brain and Peripheral Organs of McCune-Albright Syndrome
Brown University (Rhode Island)
Preceptor: Dr. Robert Innis

269-AM. Anni Subar
Examining the Effects of Social Support in Anxious and Non-anxious Youth: An Ecological Momentary Assessment Study
University of Michigan (Michigan)

Preceptor: Dr. Ashley Smith, Dr. Daniel Pine

270-AM. Sean Sweat, Gunner Drossel
Sex Differences in PACAP/PAC1 Stress Signaling
Duke University (North Carolina), Hamline University (Minnesota)
Preceptors: Dr. Lee Eiden, Dr. Sunny Jiang

271-AM. Mary Tipton
Implementing Suicide Risk Screening in Pediatric Primary Care: From Research to Practice
University of Maryland, College Park (Maryland)
Preceptor: Dr. Lisa Horowitz

272-AM. Elena Waidmann
Tuning of Face-selective Neurons in AM and AF to Local Image Parts
Washington University in St. Louis (Missouri)
Preceptor: Dr. Kenji Koyano, Dr. David Leopold

273-AM. Caroline Walsh
Behavioral Phenotype of Combined Knockouts of the Oxytocin and Vasopressin Receptors in the Mouse Hippocampal CA2 Subfield
Colgate University (New York)
Preceptor: Dr. Adi Cymerblit-Sabba, Dr. Walter Young

274-AM. Adrianna Wilson
HTS Driven PAC1 Receptor Antagonist Discovery
Virginia Polytechnic Institute and State University (Virginia)
Preceptor: Dr. Lee Eiden

275-AM. Nicole Wrigley
Immune Cell Dynamics in a Mouse Model for Depression
University of Virginia (Virginia)
Preceptor: Dr. Stacey Kigar

276-AM. Marissa Yetter
Quantifying the Relationships among Threat-related Attention Biases, Behavioral Avoidance, and Anxiety Symptom Severity in Youth
Grinnell College (Iowa)
Preceptor: Dr. Rany Abend

277-AM. Nicholas Young
11C-Trifluoromethylation of Primary Aromatic Amines: A Novel Approach to PET Radiotracer Development
Pennsylvania State University (Pennsylvania)
Preceptor: Dr. Victor Pike, Dr. Carlotta Taddei

278-AM. Hannah Zwiebel
Behavioral and Physiological Response to a Psychosocial Stressor in Pediatric Anxiety Disorders
Tufts University (Massachusetts)
Preceptor: Dr. Daniel Pine, Dr. Anita Harrewijn

Clinical Center (CC)

1-LCH. Anam Ahmad
The Effects of Aerobic Exercise Training on Fatigue and Fatigability in Women with Systemic Lupus Erythematosus
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Leighton Chan, Dr. Lisa Chin

2-LCH. Brittany Brookner
Comparison of Glucocorticoid Replacement Regimens in Adults with Classic Congenital Adrenal Hyperplasia
Carleton College (Minnesota)
Preceptor: Dr. Deborah Merke, Dr. Smita Jha

3-LCH. Sneha Chhachhi
Methods for Improving Stereophotogrammetric Analysis of Scoliosis and Other Trunk Deformities
Vanderbilt University (Tennessee)
Preceptor: Dr. Scott Paul

4-LCH. Ambica Chopra
Traumatic Brain Injury Clinical Case Study
Geisinger Commonwealth School of Medicine (Pennsylvania)
Preceptor: Dr. Leighton Chan

5-LCH. Alison Gaynor
The Regulation of Wound Healing in Congenital Adrenal Hyperplasia Tenascin-X (CAH-X) Syndrome by the TGFB Signaling Pathway
University of Maryland, College Park (Maryland)
Preceptor: Dr. Vipula Kolli, Dr. Deborah Merke

6-LCH. Lauren Hammel
Development of a User Interface for a Wearable Robotic Exoskeleton
Southern Illinois University Edwardsville (Illinois)
Preceptor: Dr. Ji Chen, Dr. Thomas Bulea

7-LCH. Erin Heald
Interrater Reliability of the Adult Myopathy Assessment Tool in Individuals with GNE Myopathy
College of William & Mary (Virginia)
Preceptor: Mr. Joseph Shrader

8-LCH. Rachel Hecht
Smartphone-based Augmented Reality Platform to Facilitate CT-guided Needle Placements
CUNY Hunter College (New York)
Preceptor: Dr. Ming Li, Dr. Bradford Wood

9-LCH. Emily Ho
TNF-alpha-Mediated Differential Expression ofExtracellular and Intracellular MicroRNAs in Human Pulmonary Microvascular Endothelial Cells
Princeton University (New Jersey)
Preceptor: Dr. Salina Gairhe, Dr. Anthony Suffredini

10-LCH. Natalie Hong
Development of Immune-modulating Radiopaque Embolic Beads for Transarterial Tumor Embolization
Carnegie Mellon University (Pennsylvania)
Preceptor: Mr. Ayele Negussie, Dr. Bradford Wood

11-LCH. Annie-Lori Joseph
Impact of Gender on Neuropsychological Functioning at One Year Following Traumatic Brain injury
Wake Forest University (North Carolina)
Preceptor: Dr. Sara Lippa, Dr. Leighton Chan

12-LCH. Kira Lokhmatova
Do Aromatase Inhibitors Affect Vertebral Morphology?
University of Washington (Washington)
Preceptor: Dr. Ashwini Mallappa, Dr. Deborah Merke

13-LCH. Rebecca Lorsung
Stable Cavitation during Therapeutic Ultrasound Is Sufficient to Drive Mesenchymal Stem Cell Homing to Murine Muscle
University of Minnesota, Twin Cities (Minnesota)
Preceptor: Dr. Scott Burks, Dr. Joseph Frank

14-LCH. Amelia Loydpierson
Molecular Correlates of Reduced Pain Sensitivity in Individuals with Three Copies of the Williams-Beuren Syndrome 7q11.23 Locus
Kenyon College (Ohio)
Preceptor: Dr. Andrew Mannes, Dr. Michael Iadarola

15-LCH. Aron Mebrahtu
Longitudinal Analysis of Outcome Measures in Children with Giant Axonal Neuropathy
Clemson University (South Carolina)
Preceptor: Dr. Mina Jain

16-LCH. Brianna Meeks
Gut Microbiota, Anxiety, and Withdrawal Differ Based on Average Drinks per Day for Patients Entering an Inpatient Detoxification Program
College of William & Mary (Virginia)
Preceptor: Dr. Nancy Ames

17-LCH. Samin Panahi
Mindfulness Based Self Care (MBSC) at the NIH Clinical Center
University of Maryland, Baltimore County (Maryland)
Preceptor: Dr. Rezvan Ameli, Dr. Ann Berger

18-LCH. Avery Perez
Loneliness in Cancer Caregivers: A Multilevel Mixed Model Analysis
Ursinus College (Pennsylvania)
Preceptor: Dr. Alyson Ross

19-LCH. Luis Perez Valencia
Ebola Virus Glycoprotein Is Rapidly Toxic to Human Lymphocytes
Connecticut College (Connecticut)
Preceptor: Dr. Kevin Vannella, Dr. Daniel Chertow

20-LCH. Vy Phan
Widespread Myofascial Dysfunction and Sensitization in Women with Endometriosis-associated Chronic Pelvic Pain
Trinity College (Connecticut)
Preceptor: Dr. Jay Shah, Dr. Pamela Stratton

21-LCH. Martine Policard
Evaluation of the Peripheral Immunome following PD-L1 targeted Therapies
Georgia State University (Georgia)
Preceptor: Dr. Renee Donahue, Dr. Jeffrey Schlom

22-LCH. Shravya Raju
Sleep Regularity Index as a Correlate of Previous Drinking Behavior and Severity of Withdrawal
Scripps College (California)
Preceptor: Dr. Alyssa Brooks

23-LCH. Martin Ramirez
Iron Acquisition by Pneumocystis
University of California, Los Angeles (UCLA) (California)
Preceptor: Dr. Joseph Kovacs

24-LCH. Joseph Ramsey
Brain Occupancy Study of IV Naloxone Using in vivo Imaging in Rodents
Tulane University (Louisiana)
Preceptor: Dr. Sunny Kim

25-LCH. Robert Rosenblatt
Characterizing Calcium Signaling from Pulsed Focused Ultrasound (pFUS) in TCMK1 Cells
University of Albany (New York)
Preceptor: Dr. Scott Burks, Dr. Joseph Frank

26-LCH. Emily Rosenthal
Functional Impairment and Health-related Quality of Life as Correlates of Symptom Burden in Patients with Sclerotic Chronic Graft-versus-Host Disease Receiving Imatinib Mesylate
Cornell University (New York)
Preceptor: Mrs. Leora Comis

27-LCH. Matthew Short
Relating Brain Activity to Muscle Synergies during Gait in Children with and without Unilateral Cerebral Palsy
Temple University (Pennsylvania)
Preceptor: Dr. Thomas Bulea, Dr. Diane Damiano

28-LCH. Sarine Tahmazian
Understanding Inflammatory Changes in LPS Injection Rat Model Using Whole Body [18F]DPA714-PET Scanning
University of Maryland, College Park (Maryland)
Preceptor: Dr. Dima Hammoud

29-LCH. Zeping Wang
Changes in Brain 18F-FDG Uptake in HIV Positive Patients after Initiation of Antiretroviral Therapy
Swarthmore College (Pennsylvania)
Preceptor: Dr. Dima Hammoud

National Eye Institute (NEI)

30-LCH. Nike Awotunde
Characterization of Zfp385a Knockout Mice

University of Maryland, Baltimore County (Maryland)
Preceptor: Dr. Michael Redmond, Dr. Yan Li

31-LCH. Annie Fuller
Characterization of Retinal Ganglion Cell Types via Expression of Transcription Factor FoxP2
College of William and Mary (Virginia)
Preceptor: Dr. Tudor Badea

32-LCH. James Gentry
Genome-wide DNA Methylation Profiling of Rod Photoreceptors Reveals Chromosomal Hotspots of Epigenetic Change with Age
Texas A&M University (Texas)
Preceptor: Dr. Anand Swaroop

33-LCH. Madeline Kwicklis
Transcriptomic Analysis of Human Macula in Health and Disease Dissects Tissue-specific Role of Genetic Regulation of Expression in Age-related Macular Degeneration
Cornell University (New York)
Preceptor: Dr. Anand Swaroop

34-LCH. Hannah Mast
Alternative Promoter Usage Generates Novel Hcls1 Transcripts in the Retina
University of Wisconsin - Madison (Wisconsin)
Preceptor: Dr. Laura Campello, Dr. Anand Swaroop

35-LCH. Rosalie Nolen
NEI Sector Retinitis Pigmentosa Cohort: Detailed Phenotyping and Genotyping
Temple University (Pennsylvania)
Preceptor: Dr. Wadih Zein

36-LCH. Favour Oladipupo
Loss of STAT3 in B Cells Exacerbates Uveitis
University of Pittsburgh (Pennsylvania)
Preceptor: Dr. Charles Egwuagu

National Institute on Aging (NIA)

37-LCH. Raheel Ahmad
Single Cell RNA Sequencing Elucidates Mechanisms of Aging in CD8+ T Cells
Rutgers University (New Jersey)
Preceptor: Dr. Nan-Ping Weng

38-LCH. Samuel Ajamu
Association of Central Arterial Stiffness and Behavior with Hippocampal Blood Flow and N-acetyl Aspartate in Hypertensive Dahl Salt Sensitive Rats
Pennsylvania State University (Pennsylvania)
Preceptor: Dr. Olga Fedorova, Dr. Kenneth Fishbein

39-LCH. Pooja Ajay Warrier
Hierarchy of Ryanodine Receptor Distribution in Cardiac Pacemaker Cells Undergoes Age-related Changes
West Virginia University (West Virginia)
Preceptor: Dr. Victor Maltsev

40-LCH. Saipriya Ayyar
Single-cell DNA Damage Assays of Aged Human Hematopoietic Cells
Davidson College (North Carolina)
Preceptor: Dr. Isabel Beerman

41-LCH. Stephanie Baringer
DNA Polymerase Beta Affects Mitochondrial Metabolism and Repair
University of New Haven (Connecticut)
Preceptor: Dr. Beverly Baptiste, Dr. Vilhelm Bohr

42-LCH. Janet Elise Bonin
Reduced Heart Rate Variability in Calcineurin ABeta Deficient Mice
University of Maryland, Baltimore County (Maryland)
Preceptor: Dr. Edward Lakatta

43-LCH. Oye Bosompra, Sarah Wong
Cycles of Dietary Restriction Extend Lifespan and Confer Protection against Xenograft Tumor Growth in Mice
University of California, Los Angeles (California), University of Southern California (California)
Preceptors: Dr. Laura Corrales-Diaz Pomatto, Dr. Rafael de Cabo

44-LCH. Sahil Chawla
Inflammatory and Insulin Signaling Pathway Screening in Extracellular Vesicles of Amyloid Positive Patients
University of Virginia (Virginia)
Preceptor: Dr. Dimitrios Kapogiannis

45-LCH. Abigail Corkum
An fMRI Study of the Aging Brain and Motor Learning
College of William and Mary (Virginia)
Preceptor: Dr. Qu Tian, Dr. Stephanie Studenski

46-LCH. Thomas Delgado
Mitochondrial Bioenergetic Dynamics Associated with Excitotoxic and Oxidative Stress and the Stabilizing Role of Incretins
University of Florida (Florida)
Preceptor: Dr. Mark Mattson, Dr. Nigel Greig

47-LCH. Kaitlyn DeMeulenaere
Effects of Lipid Peroxidation Products on Viability of Human iPSC-derived Neural Stem Cells, Neurons, and Astrocytes
Carleton College (Minnesota)
Preceptor: Dr. Christopher Ramsden

48-LCH. Samantha Ellis
Characterization of Flu-specific T-cell Receptor Signaling Strength
University of Maryland, College Park (Maryland)
Preceptor: Dr. Nan-Ping Weng, Dr. Jian Lu

49-LCH. Darlene Estrada
Ketone Ester and Nicotinamide Riboside Supplementation Promotes Metabolic Homeostasis and Neuroprotection in Alzheimer's Disease Mice
University of Houston (Texas)
Preceptor: Dr. Tyler Demarest, Dr. Vilhelm Bohr

50-LCH. Logan George
mRNA-binding Activity of HSP70 following Oxidative Stress
College of William & Mary (Virginia)
Preceptor: Dr. Myriam Gorospe, Dr. Fred Indig

51-LCH. Erin Goodstein
Using Mouse Models to Investigate Insulin Function in Taste Cells
College of William & Mary (Virginia)
Preceptor: Dr. Maire Doyle, Dr. Josephine Egan

52-LCH. Joshua Green
Analyses of Two Cohorts of Myasthenia Gravis Patients Reveals New Evidence for a Genetic Contribution to the Disease
University of Maryland, College Park (Maryland)
Preceptor: Dr. Bryan Traynor

53-LCH. Anika Hamilton
A Proteomic Approach to Novel Micropeptide Discovery in Skeletal Muscle
Howard University (District of Columbia)
Preceptor: Dr. Luigi Ferrucci, Dr. Ravi Tharakan

54-LCH. Ryan James
A Single Cell Analysis of Different Replisome Complexes
Stevenson University (Maryland)
Preceptor: Dr. Michael Seidman

55-LCH. Jennifer Jensen
Effects of Heated Oil and Hydroperoxy Fatty Acid Consumption on Rodent Behavior and Neuropathology
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Christopher Ramsden

56-LCH. Danielle June
Lasting Consequences of Concussion on the Aging Brain
University of Rochester (New York)
Preceptor: Dr. Lori Beason-Held, Dr. Susan Resnick

57-LCH. Jonathan Kato
The Role of Nrf2 in Sex and Strain Differences under Caloric Restriction
The Harriet L. Wilkes Honors College of Florida Atlantic University (Florida)
Preceptor: Dr. Laura Pomatto

58-LCH. Nikkita Khattar
Clinical Investigation of Brain Regional Iron Deposition in Normative Aging Using Magnetic Resonance Susceptibility-weighted Imaging
George Washington University (District of Columbia)
Preceptor: Dr. Mustapha Bouhrara, Dr. Richard Spencer

59-LCH. Edward Kim
Investigating PARylation in the Mitochondria
University of California, Santa Cruz (California)
Preceptor: Dr. Wilhelm Bohr, Dr. Jong-Hyuk Lee

60-LCH. Risako Kimura
Long-term NAD+ Supplementation Rescues High-frequency Age-related Hearing Loss in Mice
Brown University (Rhode Island)
Preceptor: Dr. Mustafa Okur, Dr. Vilhelm Bohr

61-LCH. Ali Kudej
Three Dimensional Visualization of Basal Forebrain Projections in Young and Aged Rats
University of Michigan (Michigan)
Preceptor: Dr. Cristina Banuelos

62-LCH. John Lammons
Can Cardiac Cells in the Adult Mouse Heart Proliferate?

University of Alabama at Birmingham (Alabama)
Preceptor: Dr. Kirill Tarasov

63-LCH. Doyle Lang
Preliminary Analysis of the Expression of Insulin Produced in the Choroid Plexus
University of Michigan (Michigan)
Preceptor: Dr. Caio Mazucanti

64-LCH. Sara Larson
Influence of Aging in Cellular Senescence during Human Wound Healing
Worcester Polytechnic Institute (Massachusetts)
Preceptor: Dr. Ranjan Sen, Ms. Cheryl Sherman-Baust

65-LCH. Robert Lavery
Proteomic Analysis of Cognition and Dementia in the InCHIANTI Study
Johns Hopkins University (Maryland)
Preceptor: Dr. Toshiko Tanaka

66-LCH. Stephanie Lazo
Extracellular Vesicle-associated Mitochondrial DNA and Aging
Florida International University (Florida)
Preceptor: Dr. Nicole Hooten

67-LCH. Michael Leone
DNA Replication Efficiency in Hematopoietic Stem Cell Aging
University of Rochester (New York)
Preceptor: Dr. Isabel Beerman

68-LCH. Chelsea Mackey
Altered EEG Activity and Impaired Cued Fear Conditioning in a Mouse Model Overexpressing Adenylyl Cyclase 8 Only in the Heart
University of Missouri - Columbia (Missouri)
Preceptor: Dr. Mark Mattson, Dr. Edward Lakatta

69-LCH. Uma Mahajan
Dysregulation of Brain Transmethylation and Polyamine Pathways in Alzheimer's Disease: A Targeted Metabolomic and Transcriptomic Study
Case Western Reserve University (Ohio)
Preceptor: Dr. Madhav Thambisetty

70-LCH. Taylor McNeely
Effect of Antioxidant Treatment on the Function of Hematopoietic Stem Cells
Bucknell University (Pennsylvania)
Preceptor: Dr. Isabel Beerman

71-LCH. Jacqueline Moats
Individual and Combined Knockout of Parkinson-related Genes, DJ-1 and NQO1, Result in Locomotor Impairments in Mice
Florida International University (Florida)
Preceptor: Dr. Rafael de Cabo

72-LCH. Sydney Modrow
Behavioral Detection of Alzheimer's Disease Phenotype in the 5xFAD Mouse Model
University of Florida (Florida)
Preceptor: Dr. Ross McDevitt

73-LCH. Emily Murphy
Pancreatic Islet SLC2A9 Expression and Potential Implications for Urate-modulated Insulin Secretion
University of Colorado at Boulder (Colorado)
Preceptor: Dr. Simonetta Camandola

74-LCH. Thomas Nguyen
Longitudinal Analysis of the Alpha/Beta TCR Repertoire Reveals Distinct Features of Naïve and Memory CD4 and CD8 T Cells and Their Changes with Age
North Carolina State University (North Carolina)
Preceptor: Dr. Nan-Ping Weng

75-LCH. Benjamin Ogedegbe
The Role of DNA Polymerase Beta in Cardiovascular Aging
George Washington University (District of Columbia)
Preceptor: Dr. Deborah Croteau, Dr. Mingyi Wang

76-LCH. Abinand Rejimon
Adult Brain Maturation and Aging Investigated Using Magnetic Resonance Myelin Water Fraction Imaging
Indiana University (Indiana)
Preceptor: Dr. Mustapha Bouhrara, Dr. Richard Spencer

77-LCH. Larry Reser
Identifying Mitochondrial DNA Variants by Single-cell Sequencing
University of Florida (Florida)
Preceptor: Dr. Jun Ding

78-LCH. Edward Rivera
Silent Memory Engram for an Odor Discrimination Task in Aged Rats with Memory Impairment

Interamerican University of Puerto Rico (Puerto Rico)
Preceptor: Dr. Peter Rapp, Dr. Perla Moreno Castilla

79-LCH. Annamaria Rudderow
Effect of Time Restricted Feeding on Health and Survival
Susquehanna University (Pennsylvania)
Preceptor: Dr. Rafael de Cabo

80-LCH. Carolyn Rutishauser
Voluntary Aerobic Exercise Effects on Heart Rate, Heart Rate Variability, Body Weight, and Frailty in a Longitudinal Aging Rat Model
Michigan State University (Michigan)
Preceptor: Dr. Edward Lakatta

81-LCH. John Shin
Associations between Alzheimer's Disease-related Neuropathology and Change in Cognition
Johns Hopkins University (Maryland)
Preceptor: Dr. Murat Bilgel, Dr. Susan Resnick

82-LCH. Lillian Shipp
Dissecting Functional Motifs of a Complex Eukaryotic Enhancer
University of Michigan (Michigan)
Preceptor: Dr. Ranjan Sen, Dr. Fatima Braikia

83-LCH. Byron Siegars
Immune and Behavioral Characterization of a Bilaterally Injected Alpha-Synuclein Parkinson's Disease Model
Georgetown University (District of Columbia)
Preceptor: Dr. Jyoti Sen, Dr. Michelle Sallin

84-LCH. Hannah Starnes
rTMS Differentially Affects Performance on an Odor Recognition Memory Task in Young and Aged Rats
St. Mary's College of Maryland (Maryland)
Preceptor: Dr. Marina Weiler

85-LCH. Margaret Stelzner
Sleep-induced 'Arc-hitecture' in Normal Cognitive Aging
Macalester College (Minnesota)
Preceptor: Dr. Craig Myrum

86-LCH. Robert Tumasian III
Cross-sectional Transcriptomic Analysis of Healthy Skeletal Muscle Aging
State University of New York (SUNY) at Geneseo (New York)

Preceptor: Dr. Luigi Ferrucci, Dr. Supriyo De

87-LCH. Lynde Wangler
Arc in Extracellular Vesicles as a Biomarker of Cognitive Aging
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Perla Moreno Castilla

88-LCH. Sharon Wu
Extracellular Vesicles from Diabetic Individuals Alter Cellular Behavior
Carnegie Mellon University (Pennsylvania)
Preceptor: Dr. Nicole Noren Hooten, Dr. Michele Evans

89-LCH. Annie Yang
To Beat or Not to Beat: A Critical Issue for Pacemaker Cells
Dartmouth College (New Hampshire)
Preceptor: Dr. Edward Lakatta

90-LCH. Jacob Ziontz
Tau Pathology in Cognitively Normal Older Adults: Associations with Brain Atrophy and Cognitive decline
Grinnell College (Iowa)
Preceptor: Dr. Murat Bilgel, Dr. Andrea Shafer

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

91-LCH. Jillian Battista
Endocrine Effects of Ghrelin Receptor Inverse Agonism and Alcohol Co-administration in Heavy Drinkers
Pennsylvania State University (Pennsylvania)
Preceptor: Dr. Mary Lee, Dr. Lorenzo Leggio

92-LCH. Ryan Beckner
Thermostability Assessment of Human Type-II Cannabinoid Receptor
University of Chicago (Illinois)
Preceptor: Dr. Alexei Yeliseev, Dr. Klaus Gawrisch

93-LCH. Marilyn Bravo
Anxiety-like Behavior in Mice with Reduced Striatal Dopamine D2 Receptors Is Ameliorated following Ethanol Administration.
Brown University (Maryland)
Preceptor: Dr. Miriam Bocarsly, Dr. Veronica Alvarez

94-LCH. Brittney Browning
Genetic Analysis of the Leptin Gene (LEP) and Leptin Receptor Gene (LEPR): Preliminary Findings Related to Psychopathology
Liberty University (Virginia)
Preceptor: Dr. Lorenzo Leggio

95-LCH. Nia Byrd
Examining the Effects of Childhood Trauma on Adult Alcohol Consumption: Does Race and/or Sex Matter?
University of Michigan (Michigan)
Preceptor: Dr. Vijay Ramchandani, Dr. Bethany Stangl

96-LCH. Tiffany Campbell
Amygdala Intercalated Neurons in Fear Extinction
Miami University (Ohio)
Preceptor: Dr. Andrew Holmes, Dr. Olena Bukalo

97-LCH. Alexandra Cowand
The Role of Suggestibility in Alcohol Use and Misuse
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Vijay Ramchandani

98-LCH. Sarah Dean
Neuroticism's Effect on the Relationship between Alcohol Use Disorder and Amygdala rs-fMRI Connectivity
University of Maryland, College Park (Maryland)
Preceptor: Dr. Reza Momenan

99-LCH. Dana Feldman
Impulsive Responses to Emotional Stimuli in Alcohol Use Disorder
University of Michigan (Michigan)
Preceptor: Dr. Peter Manza, Dr. Nora Volkow

100-LCH. Adriana Gregory-Flores
Deletion of the GHS-R Ghrelin Receptor Exhibits a Protective Effect against Diet-induced Obesity in Male but Not Female Rats
Iowa State University (Iowa)
Preceptor: Dr. Lorenzo Leggio, Dr. Leandro Vendruscolo

101-LCH. Lindsey Jay
Investigating the Status of the Endocannabinoid/CB1R system in Chronic Alcohol-induced Lung Inflammation
University of Chicago (Illinois)
Preceptor: Dr. Resat Cinar, Dr. George Kunos

102-LCH. Danielle Kroll
The Association between Childhood Trauma and Brain Glucose Metabolism
Dartmouth College (New Hampshire)
Preceptor: Dr. Peter Manza

103-LCH. Martha Longley
PCSK9 in Alcohol Use Disorder
Yale University (Connecticut)
Preceptor: Dr. Falk Lohoff, Dr. Jisoo Lee

104-LCH. Sarah Min
Central Nervous System Penetration of Oxytocin after Intravenous and Intranasal Administration
Carleton College (Minnesota)
Preceptor: Dr. Mary Lee, Dr. Lorenzo Leggio

105-LCH. James Morris
Super Bingers: Traits and Patterns Associated with High-intensity Drinking
Florida State University (Florida)
Preceptor: Dr. Vijay Ramchandani

106-LCH. Vikas Munjal
Effects of Oral, Smoked, and Vaporized Cannabis Administration on Endocrine Pathways Related to Appetite and Metabolism: A Randomized Double-blind Placebo-controlled Human Laboratory Study
Ohio State University (Ohio)
Preceptor: Dr. Lorenzo Leggio, Dr. Mehdi Farokhnia

107-LCH. Sarvar Oreizi-Esfahani
Fear Extinction and the Endocannabinoid System: Exploring the Cortico-Amygdala Circuit
University of Maryland, College Park (Maryland)
Preceptor: Dr. Ozge Gunduz-Cinar

108-LCH. Tanner Rigg
Machine Learning and Rodent Behavior
University of New Mexico (New Mexico)
Preceptor: Dr. Andrew Holmes

109-LCH. Julia Schaffer
Serotonergic Modulation of the Nucleus Accumbens in Risky Decision-making
Cornell University (New York)
Preceptor: Dr. Patrick Piantadosi, Dr. Andrew Holmes

110-LCH. Nicole Schwab, Nathen Spitz
Investigating Cortico-Limbic-Striatal Circuit Interactions during Risky Decision-making
Georgetown University (District of Columbia), University of Iowa (Iowa)
Preceptors: Dr. Patrick Piantadosi, Dr. Andrew Holmes

111-LCH. Sawyer Smith, Kerry McFadden
Ambiguous Threat Promotes Generalization and Differentially Recruits Cortico-Amygdala Regions
University of Idaho (Idaho), Northwestern University (Illinois)
Preceptors: Dr. Andrew Holmes

112-LCH. Sachin Sundar
Associations between Stress and Alcohol Cues and HPA Axis Function in Non-dependent Drinkers.
James Madison University (Virginia)
Preceptor: Dr. Vijay Ramchandani

113-LCH. Julia Swan
High Intensity Binge Drinking and Stimulating Effects in Human Laboratory Studies of Alcohol Self-administration
University of Michigan (Michigan)
Preceptor: Dr. Vijay Ramchandani

114-LCH. Catherine Teresi
Ethanol Drinking Behaviors in a Striatum-specific Knockout Mice for Dopamine D3 Receptor
University of Virginia (Virginia)
Preceptor: Dr. Miriam Bocarsly, Dr. Veronica Alvarez

115-LCH. Emily Vogt
Modeling Drinking Patterns Underlying Hangover Symptoms following Intravenous Alcohol Self-administration in Non-dependent Drinkers
Northwestern University (Illinois)
Preceptor: Dr. Nancy Diazgranados, Dr. Bethany Stangl

116-LCH. Mark Yde
Modulation of Fear Extinction by Astrocytes in the Basolateral Amygdala
University of Rochester (New York)
Preceptor: Dr. Olena Bukalo, Dr. Andrew Holmes

117-LCH. Charles Zawatsky
Exploring the Role of Cannabinoid Receptor 1 in Alveolar Type-2 Epithelial and Myeloid Cells in Lung Fibrosis Development in Mice
Hillsdale College (Michigan)

Preceptor: Dr. Resat Cinar, Dr. George Kunos

National Institute of Allergy and Infectious Diseases (NIAID)

118-LCH. Olubukola Abiona
Identification and Characterization of Novel Human Antibodies from a Convalescent Coronavirus Donor
University of Maryland, Baltimore County (Maryland)
Preceptor: Dr. Kizzmekia Corbett, Dr. Barney Graham

119-LCH. Hanna Abuhay
Incidence of Adverse Vaccine Responses in Children with Mastocytosis
University of California, Santa Cruz (Maryland)
Preceptor: Dr. Melody Carter

120-LCH. Nina Aiosa
Imaging of the Natural History of Guinea Pig Central Access Catheters
James Madison University (Virginia)
Preceptor: Dr. Irwin Feuerstein

121-LCH. Tsion Andine
Rational Design of HIV-1 Envelope Trimers That Expose V2 Epitopes Associated with Vaccine-elicited Protection
Jackson State University (Mississippi)
Preceptor: Dr. Paolo Lusso, Dr. Peng Zhang

122-LCH. Jenna Andrews
Utilizing PET/CT for 3-D Rendition and Classification of Lung Lesions in Tuberculosis Infected Patients
Colorado State University (Colorado)
Preceptor: Dr. Clifton Barry, Dr. Yingda Xie

123-LCH. Warda Arman
Generation of an Sp100-deficient Keratinocyte Cell Line to Study the HPV Life Cycle
University of Massachusetts Boston (Massachusetts)
Preceptor: Dr. Alison McBride

124-LCH. Justin Bae
Resistance to Leukocytes Ties Benefits of Quorum-sensing Dysfunctionality to Biofilm Infection
Cornell University (New York)
Preceptor: Dr. Gordon Cheung

125-LCH. Alice Bell
Expanding the Molecular Toolkit: Novel Highly Fluorescent and Integrative Plasmids to Investigate M. tuberculosis *Biology in vivo*
Bryn Mawr College (Pennsylvania)
Preceptor: Dr. Katharina Kolbe, Dr. Clifton Barry III

126-LCH. Ezekiel Bello
CRISPR-Cas9 Gene Correction of Primary Cells from Patients with X-linked Immunodeficiency with Magnesium Defect, Epstein-Barr Virus Infection, and Neoplasia Syndrome
Florida A&M University (Florida)
Preceptor: Dr. Suk See De Ravin, Dr. Julie Brault

127-LCH. Alexis Berry
Exploring the Relationship between Eosinophils and B Cell Proliferation in Humans
Brown University (Rhode Island)
Preceptor: Dr. Fei Li Kuang, Dr. Amy Klion

128-LCH. Priyankaa Bhatia
A Comparison of Anthrax-based Double Effector Complexes on Tumor Cell Death
Baylor University (Texas)
Preceptor: Dr. Steve Leppla

129-LCH. Sarah Blackstone
Interferon Signature Is a Biomarker for Response to JAK Inhibition in Patients with Haploinsufficiency of A20
University of South Florida (Florida)
Preceptor: Dr. Daniella Schwartz

130-LCH. Thomas Buerkert
Optimizing Detection of Cell-associated HIV-RNA from Frozen Whole Blood
St. Joseph's University (Pennsylvania)
Preceptor: Dr. Hiromi Imamichi

131-LCH. Emily Burkart
Locating Transposable Element of Enhancer Trap in Transgenic Line of Anopheles stephensi
Furman University (South Carolina)
Preceptor: Dr. Ana Beatriz Barletta Ferreira, Dr. Carolina Barillas-Mury

132-LCH. Carlo Castillo
Assessing the Effects of Common Environmental Exposures on Skin bacteria Associated with Atopic Dermatitis
Ohio State University (Ohio)
Preceptor: Dr. Ian Myles

133-LCH. Lauren Chang
Pre-fusion RSV F Vaccine Elicits a Distinct Serological Profile from Post-fusion RSV F Vaccine in Humans
University of California, San Diego (California)
Preceptor: Dr. Barney Graham, Dr. Tracy Ruckwardt

134-LCH. Samuel Chauvin
Immune Dysregulation in Dock11 Deficiency
Cornell University (New York)
Preceptor: Dr. Michael Lenardo, Dr. Juan Ravell

135-LCH. Jessica Chen
Genetic Stability of Temperature-stressed Codon-pair Deoptimized Respiratory Syncytial Virus
University of Hawaii at Manoa (Hawaii)
Preceptor: Dr. Cyril Le Nouen, Dr. Peter Collins

136-LCH. Stephan Constante
Yeast Display of Zaire Ebolavirus GP for Monoclonal Antibody Epitope Mapping
University of Florida (Florida)
Preceptor: Dr. John Misasi

137-LCH. Sarah Cook
Hem1 Immunodeficiency and Autoimmune Disorder Reveals an Essential Role for the WAVE Regulatory Complex in mTOR and AKT Signaling
Carnegie Mellon University (Pennsylvania)
Preceptor: Dr. William Comrie

138-LCH. Linda Cui
Synthesis of the MR1 Ligand, 5-OP-RU, a Vitamin B2 Biosynthetic Metabolite Recognized by MAIT Cells
Vanderbilt University (Tennessee)
Preceptor: Dr. Sangmi Oh

139-LCH. Leland Damron
Isolation of V1V2-directed Antibodies from an HIV Infected Donor
University of Richmond (Virginia)
Preceptor: Dr. Nicole Doria-Rose, Dr. John Mascola

140-LCH. Priscilla Del Valle
Biomarkers for monitoring Onchocerca volvulus
University of Texas at El Paso (Texas)
Preceptor: Dr. Sasisekhar Bennuru, Dr. Thomas Nutman

141-LCH. Jessi Drew
The Risk of Mortality among Patients with Bronchiectasis at a Tertiary Care Center: Quality of Life and 6MWD
University of Georgia (Georgia)
Preceptor: Dr. Rebecca Prevots

142-LCH. Caroline Duncombe
Bactericidal Response of Mycobacterium tuberculosis *to Acivicin Identifies a Novel Metabolic Pathway*
Macalester College (Minnesota)
Preceptor: Dr. Yong-Mo Ahn

143-LCH. Kristina Edwards
PBMC Response after Stimulation with pdmH1N1 Influenza Virus in Subjects with Variable Exposure History
University of Edinburgh (Non-U.S.)
Preceptor: Dr. Matthew Memoli

144-LCH. Robert Emeh
The Effect of Alpha Globin Variants on Blood Vessel Regulation
Alabama State University (Alabama)
Preceptor: Dr. Amy Ruhl, Dr. Hans Ackerman

145-LCH. Jada Hackman
HIV-1 Genetic Diversity from Peripheral Blood and Lymph Node from HIV+ to HIV+ Organ Transplantation
Juniata College (Pennsylvania)
Preceptor: Dr. Andrew Redd

146-LCH. Kelly Hagadorn
Investigating the Association between Autoimmunity and Malaria
San Diego State University (California)
Preceptor: Dr. Peter Crompton, Dr. Christine Hopp

147-LCH. Sarah Harrison
Cytokine Profiling of Subarachnoid Neurocysticercosis Pre- and Post-treatment
University of Notre Dame (Indiana)
Preceptor: Dr. Elise O'Connell

148-LCH. Samantha Herbert
Defining a Rrecombinant Salivary Protein as a Marker of Cector Exposure to Phlebotomus argentipes *in Areas Endemic to Visceral Leishmaniasis in Sri Lanka*
Tulane University School of Public Health and Tropical Medicine (Louisiana)
Preceptor: Dr. Jesus Valenzuela, Dr. Eva Iniguez

149-LCH. Alvaro Hobbs
Insights into Hepatitis C Virus E1/E2 Protein Interactions
New Mexico State University (New Mexico)
Preceptor: Dr. Joseph Marcotrigiano, Mrs. Jennifer Casiano-Matos

150-LCH. Elizabeth Hoke
SJL Mice Are Uniquely Resistant to Cryptococcus neoformans Due to Robust TH1 Immunity
University of Minnesota - Twin Cities (Minnesota)
Preceptor: Dr. Michael Davis, Dr. June Kwon-Chung

151-LCH. Reafa Hossain
Interactions of Hepatitis C Virus E2 Protein with Antibodies and Host Receptors
James Madison University (Virginia)
Preceptor: Dr. Joseph Marcotrigiano, Dr. Ashish Kumar

152-LCH. Haley Hullfish
The Implementation and Optimization of the Centralized Sequencing Initiative
University of Illinois Urbana-Champaign (Illinois)
Preceptor: Mrs. Morgan Similuk

153-LCH. Tristan Jordan
A Nonhuman Primate Model for Genital HSV2 Infection That Results in Vesicular Vaginal Lesions and Reduced Susceptibility to Reinfection
University of Southern California (California)
Preceptor: Dr. Kening Wang, Dr. Jeffrey Cohen

154-LCH. Amita Kashyap
Evaluation of the Stool and Buccal Microbiomes in Patients with Systemic Mastocytosis
Oregon State University (Oregon)
Preceptor: Dr. Hirsh Komarow, Dr. Dean Metcalfe

155-LCH. Benjamin Kendall
Flavivirus Infection and Characterization of Male Ixodes scapularis *ex vivo Salivary Gland Cultures*
Carroll College (Montana)
Preceptor: Dr. Marshall Bloom

156-LCH. Olivia Kern
Exploring a Culex quinquefasciatus *Protein Family and Its Implications for Disease Transmission*
Wellesley College (Massachusetts)
Preceptor: Dr. Inés Martin-Martin, Dr. Eric Calvo

157-LCH. Alexander Kim
Electron Microscopy and Image Processing: Essential Tools for Structural Analysis of Proteins
University of Virginia (Virginia)
Preceptor: Dr. John Gallagher, Dr. Audray Harris

158-LCH. Ellen Kim
Peptide Editing and MHC Binding Mechanisms of Tapasin and the related protein TAPBPR
University of Oxford (Non-U.S.)
Preceptor: Dr. Kannan Natarajan, Dr. David Margulies

159-LCH. Ji Won Kim
Beta-Tryptase Loss-of-function and Copy Number Loss are Associated with Complicated Dengue Virus Infection and Severe Sepsis
University of California, Davis (California)
Preceptor: Dr. Jonathan Lyons

160-LCH. Jaclyn Kline
Structural and Functional Characterization of Orphan Mouse Chemokine Receptor Ccr1l1 in vitro and in vivo
Macalester College (Minnesota)
Preceptor: Dr. Sergio Pontejo, Dr. Philip Murphy

161-LCH. Kylie Konrath
The Unique Behavior of mAbs: A Case Study of a VRC HIV mAb
University of Portland (Oregon)
Preceptor: Dr. Slobodanka Manceva, Dr. Elihu Ihms

162-LCH. Caroline Kreitzer
Evaluating the Efficacy of Keratinocyte Growth Factor Administration for Regeneration of Thymic Function in DSS-induced Colitis
University of Wisconsin-Madison (Wisconsin)
Preceptor: Dr. Elizabeth Kang

163-LCH. Ajinkya Limkar
Determining the Role of Eotaxin-1 in Eosinophil Development in Order to Promote Heterogeneity via an ex vivo Culture System
University of Minnesota, Twin Cities (Minnesota)
Preceptor: Dr. Helene Rosenberg

164-LCH. Qing (Taylor) Liu
Approaches to Gene Editing in X-linked Hyper-IgM Disease
University of Maryland, College Park (Maryland)
Preceptor: Dr. Suk See DeRavin, Dr. Julie Brault

165-LCH. Meng Lou
Fluctuations in Microstate Promote Heterogenous T cell Responsiveness
University of Wisconsin - Madison (Wisconsin)
Preceptor: Dr. Harikesh Wong, Dr. Ronald Germain

166-LCH. Sana Mahmood
Serum vs. Urine: Which Is a Better Biomarker of Eosinophilic Disease Activity?
University of Pittsburgh (Pennsylvania)
Preceptor: Dr. Amy Klion

167-LCH. Eric Mai
Characterizing SiglecF+Gr1- and SiglecF+Gr1+ Mouse Bone marrow-derived Eosinophils (bmEos) Cultured ex vivo
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Helene Rosenberg

168-LCH. Madeleine Mankowski
Deconstructing Humoral Immunity to Flu: Interactions between Antibodies Targeting the HA Stem and Head
University of Maryland, College Park (Maryland)
Preceptor: Dr. Jonathan Yewdell

169-LCH. Keesha Matz
Favipiravir (T-705) protects female, but not male IFNAR-/- mice against lethal Zika virus infection
Washington State University (Washington)
Preceptor: Dr. Heinz Feldmann, Dr. Andrea Marzi

170-LCH. Jessica Medrano
Isolation of Acidobacteria as a Prospective Source of Novel Tuberculosis Therapeutics
University of Florida (Florida)
Preceptor: Dr. Clifton Barry

171-LCH. Danielle Mensah
Association of High Sub-telomeric Gene Expression and Brain Dissemination in Solid Organ Transplant Recipients with Cryptococcal Infection
University of Illinois at Urbana-Champaign (Illinois)
Preceptor: Dr. Peter Williamson

172-LCH. Stephanie Mills
PrP Doesn't Alter La Crosse Virus Pathogenesis
Colorado State University (Colorado)
Preceptor: Dr. Karin Peterson, Dr. Sue Priola

173-LCH. Jacob Mitchell
Application of Nanostring Technology to Quantify Interferon Response Gene Expression in Tissues and Cell Subsets from Patients with Autoinflammatory Diseases
Towson University (Maryland)
Preceptor: Dr. Adriana Almeida de Jesus, Dr. Raphaela Goldbach-Mansky

174-LCH. Jonathan Nicklas
Optimization of Mycobacterial Gene Knockout by Recombineering
University of Scranton (Pennsylvania)
Preceptor: Dr. Qinglan Wang, Dr. Clifton Barry

175-LCH. Jessica Nino de Rivera
Do Alpha Globin Gene Variants Affect Endothelial Function in Patients with Severe Malaria?
Cornell University (New York)
Preceptor: Dr. Hans Ackerman

176-LCH. Samuel Owusu
Induction of Anti-HIV Chemokines by IL-7 and Identification of Signaling Pathways Leading to Their induction.
Cheyney University of Pennsylvania (Pennsylvania)
Preceptor: Dr. Hana Schmeisser, Dr. Paolo Lusso

177-LCH. Andrew Paige
Transgenesis of Salivary Protein Genes Implicated in Arthropod-borne Disease Transmission in Aedes aegypti
New College of Florida (Florida)
Preceptor: Dr. Eric Calvo

178-LCH. Monica Paneru
Stabilization of the Chimeric Bovine Human Parainfluenza Virus type 3 by Correcting the Hemagglutinin Neuraminidase Encoding Sequence
James Madison University (Virginia)
Preceptor: Dr. Shirin Munir, Dr. Peter Collins

179-LCH. Mit Patel
A Powerful Tool for High-efficiency Production of HIV-1 Virus-like Particles (VLP) for Vaccine Use
Pennsylvania State University (Pennsylvania)
Preceptor: Dr. Paolo Lusso

180-LCH. Jennifer Peek
Attempting to Establish an in vitro Culture System for Plasmodium vivax *Parasites*
College of William and Mary (Virginia)
Preceptor: Dr. Karthigayan Gunalan, Dr. Louis Miller

181-LCH. Linh Pham
Optimizing Smartphone Symbol-digit Modalities Test for Measuring Disability in Multiple Sclerosis
Humboldt State University (Maryland)
Preceptor: Dr. Bibi Bielekova

182-LCH. Alyssa Pullano
Safety and Immunogenicity of a Replication-competent Ad4-H5-Vtn Vaccine Administered on the Upper Respiratory Tract
Georgetown University (District of Columbia)
Preceptor: Dr. Kenta Matsuda

183-LCH. Mitchell Ramuta
A Novel Universal Influenza Virus Vaccine Protects Mice and Ferrets from Multiple Subtypes of Influenza A Virus
University of Wisconsin-Madison (Wisconsin)
Preceptor: Dr. Jeffery Taubenberger, Dr. Jae-Keun Park

184-LCH. Jamie Redes
Alp1 Protease Mediates Airway Hyper-responsiveness in Asthma
Lafayette College (Pennsylvania)
Preceptor: Dr. Kirk Druey

185-LCH. Zoe Schmiechen
Dysregulation of TFH Cells Promotes Allergic Disease in Patients with Altered TGF-beta Signaling
Grinnell College (Iowa)
Preceptor: Dr. Pamela Guerrerio, Dr. Katherine Weissler

186-LCH. Anisha Sharma
Elucidating the Role of T-bet in B Cell Activation and Differentiation
Loyola University Chicago (Illinois)
Preceptor: Dr. Munir Akkaya

187-LCH. Juncheng Shen
Functional Annotation of ADAM/Caspase Expression Profiles in HIV-1 Infected CD4 T Lymphocytes
Johns Hopkins University (Maryland)
Preceptor: Dr. Peter Sun, Dr. Jason Segura

188-LCH. Tulley Shofner
Antigenicity and Immunogenicity of Non-stabilized and Stabilized HIV Envelope Designs Expressed by a Replication Competent Ad4 Vector
Dickinson College (Pennsylvania)
Preceptor: Dr. Mark Connors, Dr. Andy Patamawenu

189-LCH. Mary Sievers
AtxA Binding and Regulation in Bacillus anthracis
Pennsylvania State University (Pennsylvania)
Preceptor: Dr. Andrei Pomerantsev, Dr. Stephen Leppla

190-LCH. Margaret Smith
Seeking Genes That Control Sexual Stage Development in Malaria
Appalachian State University (North Carolina)
Preceptor: Dr. Carole Long

191-LCH. Kennedy Tobin
A Personalized Cancer Vaccine Based on Self-assembling Nanoparticles Enhances the Breadth of Anticancer CD8 T Cell Immunity in Mice
University of Washington (Washington)
Preceptor: Dr. Andrew Ishizuka, Dr. Faezzah Baharom

192-LCH. Miles Tyner
Unraveling the Mechanism of Innate Immune Priming in Anopheles gambiae *Mosquitoes*
Middlebury College (Vermont)
Preceptor: Dr. Carolina Barillas-Mury

193-LCH. Stephanie Williams
Mapping Hemagglutinin Virulence in the 1918 Pandemic and in Swine H1N1 Influenza A Virus
Virginia Polytechnic Institute and State University (Virginia)
Preceptor: Dr. Jeffery Taubenberger, Dr. Li Qi

194-LCH. Roxanne Withers
Thioester-containing Proteins in Anopheles albimanus *Malaria Immunity*
Saint Michael's College (Vermont)
Preceptor: Dr. Gaspar Canepa, Dr. Alvaro Molina-Cruz

195-LCH. Tracey Zhai
Association between HIV Antibodies and D-dimer: Role of "Defective" Proviruses
University of Maryland, College Park (Maryland)
Preceptor: Dr. Hiromi Imamichi

196-LCH. Shu Zhang
Design of an Epstein-Barr Virus Vaccine That Targets the Virus Fusion Machinery
University of Chicago (Illinois)
Preceptor: Dr. Wei Bu, Dr. Jeffrey Cohen

National Institute on Drug Abuse

197-LCH. Anum Afzal
Benzodiazepine-induced Potentiation of the Brain Hypoxic, Temperature, and Locomotor-inhibiting Effects of Heroin
Loyola University Chicago (Illinois)
Preceptor: Dr. Eugene Kiyatkin

198-LCH. Sarah Applebey
Role of Ventral Subiculum in Incubation of Oxycodone Craving after Electric Barrier-induced Vluntary Abstinence
Lake Forest College (Illinois)
Preceptor: Dr. Yavin Shaham, Dr. Ida Fredriksson

199-LCH. Francisco Battiti
The Significance of Chirality in Drug Design and Synthesis of Bitopic Ligands as D3 Receptor (D3R) Selective Agonists
University of Illinois at Urbana Champaign (Illinois)
Preceptor: Dr. Amy Newman, Dr. Alessandro Bonifazi

200-LCH. Adam Brandner
Effects of Withdrawal on Sleep Architecture in a Rodent Model of Alcohol Dependence
Allegheny College (Pennsylvania)
Preceptor: Dr. Brooke Schmeichel

201-LCH. Courtney Cann
Social Conditioned Place Preference as a Measure of Natural Reward
Pennsylvania State University (Pennsylvania)
Preceptor: Dr. Leslie Whitaker, Dr. Bruce Hope

202-LCH. Juan Castillo
Psilocybin Improves Cognitive Control and Downregulates Parietal Cortex in Treatment-seeking Smokers
Claremont McKenna College (California)
Preceptor: Dr. Elliot Stein, Dr. John Fedota

203-LCH. Sam Cermak
Evaluating the Efficacy of Transcranial Magnetic Stimulation (TMS) on Attenuating Cocaine Self-administration in Rats
Binghamton University (New York)
Preceptor: Dr. Hanbing Lu

204-LCH. Lamarque Coke
Characterization of a Novel Rat Model for HIV Neuropathogenesis
Stockton University (New Jersey)
Preceptor: Dr. Brandon Harvey

205-LCH. Reuben Don
The Effects of Amphetamine Sensitization on D1 Activity in the Nucleus Accumbens
Ohio State University (Ohio)
Preceptor: Dr. Satoshi Ikemoto

206-LCH. Nancy Garibay
N-Alkyl Chain Length Dictates Biological Activity of Cumyl-derived Synthetic Cannabinoid Compounds
University of California, Davis (Maryland)
Preceptor: Dr. Michael Baumann

207-LCH. Holly Hake
Identifying the Neural Circuit Underlying alpha-1 Adrenergic Receptor-dependent Excitation of the Dorsal Raphe
University of Colorado, Denver (Colorado)
Preceptor: Dr. Stephanie Gantz, Dr. Antonello Bonci

208-LCH. Bree Humburg
Repurposing an Old Drug for New Tricks: Fenobam, an FDA-approved mGluR5 Antagonist, Attenuates Nicotine Reward in Rodent Models
Kansas State University (Kansas)
Preceptor: Dr. Chloe Jordan, Dr. Zheng-Xiong Xi

209-LCH. Michelle Jin
Whole brain Immediate Early Gene Mapping during Relapse to Reward Seeking
Cornell University (New York)
Preceptor: Dr. Sam Golden, Dr. Yavin Shaham

210-LCH. Sue Junn
Connections between the Medial Prefrontal Cortex and the Anteromedial Thalamic Nucleus Play a Role in Motivation of Goal-directed Behavior.
Johns Hopkins University (Maryland)
Preceptor: Dr. Satoshi Ikemoto

211-LCH. Louisa Kane
Comparing Gene Expression Profiles of Neuronal Ensembles Mediating Food versus Cocaine Seeking via Fluorescence Activated Cell Sorting.
University of Michigan (Michigan)
Preceptor: Dr. Javier Rubio, Dr. Bruce Hope

212-LCH. Caitlin Konya
Effects of Cocaine on State Encoding in the Prelimbic Cortex
University of Washington (Washington)
Preceptor: Mrs. Lauren Mueller, Dr. Geoffrey Schoenbaum

213-LCH. Hannah Korah
Effect of Chronic Delivery of Novel mu Opioid Agonists on Relapse to Oxycodone Seeking
University of Florida (Florida)
Preceptor: Dr. Jennifer Bossert

214-LCH. Veronica Lennon
Role of Cortical Subregions in Discriminative Stimulus-controlled Incubation of Cocaine Craving
Binghamton University (New York)
Preceptor: Dr. Bruce Hope, Dr. Rajtarun Madangopal

215-LCH. Leanne Liu
Pharmacological Evaluation of the Sigma-1 Receptor through Oligomeric Response
University of California, Los Angeles (California)
Preceptor: Dr. Lei Shi, Dr. Hideaki Yano

216-LCH. Olivia Lofaro
Role of Orbitofrontal Cortex in Relapse to Fentanyl seeking after Food Choice-induced Voluntary Abstinence
Wesleyan University (Connecticut)
Preceptor: Dr. David Reiner, Dr. Yavin Shaham

217-LCH. Sam McConnell
Potential Role of Pannexin Channel 1 in Alcohol Dependence
Grinnell College (Iowa)
Preceptor: Dr. Brendan Tunstall

218-LCH. Caitlyn Miller
Characterization of Fos-expressing Neuronal Ensembles in the Prefrontal Cortex following Cocaine Place Conditioning Using the Fos-tTA System
Johns Hopkins University (Maryland)
Preceptor: Dr. Leslie Whitaker, Dr. Bruce Hope

219-LCH. Casey Moffitt
Elucidating Dysfunctional Frontal Neural Networks in Autism Mouse Model
University of South Carolina (South Carolina)
Preceptor: Dr. Da-Ting Lin

220-LCH. Maria Magdalena Ortiz
Fentanyl Vapor Self-administration in Mice: A Novel Non-invasive Pre-clinical Opioid Addiction Model
San Francisco State University (California)
Preceptor: Dr. Khaled Moussawi

221-LCH. Leah Pappalardo
Differentiating Monosynaptic Inputs to Ventral Tegmental Area or Rostromedial Tegmental Nucleus GABA Neurons
Scripps College (California)
Preceptor: Dr. Carlos Mejias-Aponte, Dr. Marisela Morales

222-LCH. Keviin Peng
Assessment of Transcranial Magnetic Stimulation Efficacy and Focality in an Awake Rat Model
Rutgers University (New Jersey)
Preceptor: Dr. Hanbing Lu

223-LCH. David Perekopskiy
The Peripheral Triggering of Heroin-induced Brain Hypoxia
California State University, Sacramento (California)
Preceptor: Dr. Eugene Kiyatkin

224-LCH. Nishika Raheja
The Role of Midbrain Dopaminergic Prediction Errors in Updating Reward Predictions Encoded by Orbitofrontal Cortex
Ohio State University (Ohio)
Preceptor: Dr. Thomas Stalnaker, Dr. Geoffrey Schoenbaum

225-LCH. Trinity Russell
Central Amygdala PKCδ-expressing Neurons Are Critical to Inhibition of Incubation of Methamphetamine Craving after Social Choice-induced Voluntary Abstinence
Wesleyan University (Connecticut)
Preceptor: Dr. Marco Venniro

226-LCH. Davied Sanchez
Sensitivity to Outcome Devaluation in Economic Choice Behavior Is Disrupted by Optogenetic Orbitofrontal Inactivation.
Davidson College (North Carolina)
Preceptor: Dr. Matthew Gardner, Dr. Geoffery Schoenbaum

227-LCH. Brooke Schleyer
Simultaneous fMRI and Transcranial Magnetic Stimulation: A Preliminary Analysis of the Effects of TMS over the Dorsal Lateral Prefrontal Cortex

Rutgers University (New Jersey)
Preceptor: Dr. Elisabeth Caparelli, Dr. Yihong Yang

228-LCH. Caroline Smith
A History of a Ketogenic Diet Prevents the Escalation of Alcohol Drinking in Alcohol Dependence
Johns Hopkins University (Maryland)
Preceptor: Dr. Leandro Vendruscolo

229-LCH. Morgan Spencer
Isoform Specific Differences in KDEL Receptor Stability
Colorado College (Colorado)
Preceptor: Dr. Brandon Harvey

230-LCH. Rajeev Subu
Differential Regulation of Striatal Activating Transcription Factor 2 (ATF2) Associated with Compulsive Methamphetamine Taking under Punishment
University of Georgia (Georgia)
Preceptor: Dr. Subramaniam Jayanthi, Dr. Jean Lud Cadet

231-LCH. Sophia Weber
In vivo Labeling of Neuronal Ensembles in the Prelimbic Cortex Using a Photo-activatable Genetically Encoded Calcium Integrator
University of Washington (Washington)
Preceptor: Dr. Rajtarun Madangopal, Dr. Bruce Hope

232-LCH. Kelsey Wright
Striatal Zinc and Cocaine Abuse Vulnerability
University of Rhode Island (Rhode Island)
Preceptor: Dr. Juan Gomez, Dr. Michael Michaelides

233-LCH. Wenxin Zhu
Clozapine Dose-dependent DREADDS Activation of the Rat Prelimbic Cortex: A Pilot fMRI Study
Rutgers University- New Brunswick (New Jersey)
Preceptor: Dr. Yuzheng Hu, Dr. Yihong Yang

National Institute on Deafness and Other Communication Disorders (NIDCD)

234-LCH. Taimur Chaudhry
Transcriptional Complexity of Human CDC14A
University of Maryland, College Park (Maryland)
Preceptor: Dr. Thomas Friedman, Dr. Ayesha Imtiaz

235-LCH. Wenqian Chen
Transcriptional Profiling of Cdc14a in Mouse Cochlea
University of California, Berkeley (California)
Preceptor: Dr. Ayesha Imtiaz, Dr. Thomas Friedman

236-LCH. Tucker Costain
Identification of Exosome Associated Factors that Protect Against Aminoglycoside Induced Hair Cell Death
University of Montana (Montana)
Preceptor: Dr. Lisa Cunningham, Dr. Melanie Barzik

237-LCH. Benjamin Gersten
Ototoxicity and Platinum Uptake Following Cyclic Administration of Platinum-based Chemotherapeutic Agents in Mice
Columbia University (New York)
Preceptor: Dr. Katharine Fernandez, Dr. Lisa Cunningham

238-LCH. Youji Hong
ORC-13661 and Its Effects on Tumor Cell Killing by Cisplatin
University of Washington (Washington)
Preceptor: Dr. Nicole Schmitt

239-LCH. Helen Maunsell
Lrrn1 Regulates Medial Boundary Formation in the Mouse Cochlear Epithelium
McGill University (Non-U.S.)
Preceptor: Dr. Matthew Kelley

240-LCH. Natalie Mosqueda
The Role of Actr10 in Hair Cell and Ribbon Synapse Structure and Function
University of Oregon (Oregon)
Preceptor: Dr. Katie Kindt, Dr. Katie Drerup

241-LCH. Erica Sadler
Cell-specific Transcriptional Responses to Heat Shock in the Mouse Utricle Using the RiboTag Method
Cornell University (New York)
Preceptor: Dr. Lisa Cunningham

National Institute of Environmental Health Sciences (NIEHS)

242-LCH. Aidin Alejo Abdala
Immunophenotyping of Subjects with Different APOL1 Genotypes Using the NIEHS Environmental Polymorphisms Registry
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Michael Fessler

243-LCH. Sierra Atwater
Interferon-induced GTPase Irgm1 Is Required for Efferocytic Clearance of Apoptotic Cells
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Michael Fessler, Dr. Prashant Rai

244-LCH. Whitney Bell
p53 Modulates the Expression of Host Restriction Factors to Reduce HIV-1 Replication
Meredith College (North Carolina)
Preceptor: Dr. Daniel Menendez

245-LCH. Christine Bowen
Arsenic-induced Dysregulation of M1/M2 Responses of Microglia
Appalachian State University (North Carolina)
Preceptor: Dr. Christopher Mcpherson, Dr. G. Harry

246-LCH. Lauren Carlson
The Effect of Body Fat on Pubertal Tempo in Healthy Girls
University of Pittsburgh (Pennsylvania)
Preceptor: Dr. Natalie Shaw

247-LCH. Gabrielle Childers
NLRP3 Inflammasome Activation: A Mode of Action Underlying Mitochondrial Toxicants
Virginia Polytechnic Institute and State University (Virginia)
Preceptor: Dr. Jean Harry

248-LCH. Harlie Cope
Effects of PFOA and GenX on Developmental Outcomes and Metabolism in CD-1 Mice
North Carolina State University (North Carolina)
Preceptor: Dr. Suzanne Fenton

249-LCH. Alyssa D'Oyen, Frederick Miller
A Review of Environmental Risk and Protective Factors for Immune-Mediated Diseases

University of North Carolina at Chapel Hill (North Carolina), Case Western Reserve University (Ohio)
Preceptors: Dr. Frederick Miller

250-LCH. Brian Elgart
Purification of Plasma Circulating Cell-free DNA and Development of Molecular Assays for Clinical and Toxicology Studies
East Carolina University (North Carolina)
Preceptor: Dr. Kevin Gerrish

251-LCH. Olivia Emery
The Role of Transcription Factor SRF in Female Fertility and Uterine Fibrosis
Virginia Military Institute (Virginia)
Preceptor: Dr. Francesco DeMayo, Dr. Steve Wu

252-LCH. Camille Giacobone
The Contribution of DNA Repair Defects to Genome-wide Human Somatic Mutation Load
Kalamazoo College (Michigan)
Preceptor: Dr. Natalie Saini, Dr. Dmitry Gordenin

253-LCH. Jacob Gordon
Regulation of the Essential Human Rribosomal RNA Processing Machinery, Las1L-Nol9
Appalachian State University (North Carolina)
Preceptor: Dr. Robin Stanley

254-LCH. Prateek Gowda
Developing a Quantitative Computed Tomography Assessment Tool for Calcinosis in Myositis
Johns Hopkins University (Maryland)
Preceptor: Dr. Adam Schiffenbauer, Dr. Marcus Chen

255-LCH. Tanner Jefferson
ESR1-Q375H Mutant Mouse Made to Model a Clinical Case of Estrogen Insensitivity
North Carolina State University (North Carolina)
Preceptor: Dr. Kenneth Korach, Dr. Yin Li

256-LCH. Christopher Juberg
In utero and Postnatal Offspring Exposure to 2,4,6-Tribromophenol after Oral (Gavage) Administration to Pregnant or Nursing Sprague-Dawley Rats
North Carolina State University (North Carolina)
Preceptor: Dr. Gabriel Knudsen

257-LCH. Anna Kenan
Molecular Signature of the Estrous Cycle in Mice
College of William & Mary (Virginia)

Preceptor: Dr. Carmen Williams, Dr. Wendy Jefferson

258-LCH. Susan Kim
Structural and Functional Consequences of SMCHD1 Mutations Associated with Arhinia and Muscular Dystrophy
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Natalie Shaw

259-LCH. Hayley Lazar
Mutations in CHD4 Lead to Domain Dependent Reduction in ATP Hydrolysis and Nucleosome Remodeling
University of Connecticut (Connecticut)
Preceptor: Dr. Paul Wade, Dr. John Roberts

260-LCH. Helen Leka
Caloric Restriction affects Metabolic and Stress Hormones Responses to Meals
University of California, Los Angeles (California)
Preceptor: Dr. Janet Hall

261-LCH. Ahmed Mashal
Standardization of Tissue Fixation Protocols for Molecular Studies
North Carolina State University (North Carolina)
Preceptor: Dr. Arun Pandiri

262-LCH. Tejas Patel
Exploring the Structure-Function Relationship of Ape2 Using Crystallography and Site-directed Mutagenesis
Illinois State University (Illinois)
Preceptor: Dr. Robert Williams, Dr. Jessica Wojtaszek

263-LCH. Victoria Placentra
Comparative Analysis of Mutation Signatures of Different Oxidizing Agents in Yeast Single Strand DNA
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Paul Doetsch, Dr. Natalya Degtyareva

264-LCH. Jeanne Powell
DEFiNE: A Method for Enhancement and Quantification of Fluorescently Labeled Axons
Cornell University (New York)
Preceptor: Dr. Patricia Jensen

265-LCH. Julian Rana
Studies of DNA Ligase I Cdc9 Fidelity in Maintenance of Genome Stability
Drexel University (Pennsylvania)

Preceptor: Dr. Jessica Williams

266-LCH. Alma Solis
Microbiome Protects against Pulmonary Fibrosis through TLR5 Activation
Northern Arizona University (Arizona)
Preceptor: Dr. Stavros Garantziotis

267-LCH. Andrew Trexler
GenX Inhibits P-glycoprotein and Breast Cancer Resistance Protein at the Blood-Brain Barrier
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Ronald Cannon, Dr. Linda Birnbaum

268-LCH. Chizoba Umesi
Multiple Sleep Dimensions and Kidney Dysfunction: Findings from the Multi-ethnic Study of Atherosclerosis
Duke University School of Medicine (North Carolina)
Preceptor: Dr. Chandra Jackson

269-LCH. Nancy Urbano
In vitro High-throughput Screening of Chemical-induced Oxidative Stress Using HepaRG Cells
St.Mary's University (Texas)
Preceptor: Dr. William Gwinn

National Institute on Minority Health and Health Disparities (NIMHD)

270-LCH. Aaron Broun
Associations between Parental Practical and Emotional Support and Adolescent Smoking Behavior Transitions in a National Study
Oberlin College (Ohio)
Preceptor: Dr. Kelvin Choi

271-LCH. Charmaine Chan
Serious Texting: Dropout and Cessation Outcomes of a National Text Messaging Smoking Cessation Intervention for Teens
Vassar College (New York)
Preceptor: Dr. Sherine El-Toukhy

272-LCH. Danielle Duarte
Using Factorial Analysis to Profile the Attitudes of Adult Tobacco Users and Implications for Mediated Message Tailoring
University of New Mexico (New Mexico)

Preceptor: Dr. Kelvin Choi

273-LCH. Cristian Escalera
Social Support as a Moderator in the Relationship between Intrusive Thoughts and Psychological Distress among Spanish-speaking Latinas with Breast Cancer
University of Georgia (Georgia)
Preceptor: Dr. Anna Nápoles

274-LCH. Lucy Jin
Genome Variation Study in a Racially Diverse Breast Cancer Population
University of Virginia (Virginia)
Preceptor: Dr. Jung Byun

275-LCH. Toluwa Omole
Heterogeneity in Smoking Cessation Behaviors among Light/Intermittent Smokers
Arizona State University (Arizona)
Preceptor: Dr. Kelvin Choi

276-LCH. Bonita Salmerón
Geospatial Analysis of County Level Breast Cancer Incidence in Tennessee
College of Wooster (Ohio)
Preceptor: Dr. Faustine Williams, Dr. Anna Napoles

National Library of Medicine

277-LCH. Brittney Blackburne
In silico Prediction of Novel Microviridin Class Toxic Peptide Precursors
Rutgers University (New Jersey)
Preceptor: Dr. Anastasia Nikolskaya

278-LCH. Max Savery
Evaluation of System for Selective Indexing Classification
Evergreen State College (Washington)
Preceptor: Dr. Dina Demner-Fushman

National Cancer Institute – Center for Cancer Research (NCI-CCR)

1-PM. Nicholas Aboreden
Using Functional CRISPR-based Screening to Study EWS-FLI1 Activity in Ewing Sarcoma.
Johns Hopkins University (Maryland)
Preceptor: Dr. Natasha Caplen

2-PM. Serifat Adebola
Combining Single-cell Proteomics and Machine Learning for Robust Immunoprofiling of Clinical Cases
New York City College of Technology (New York)
Preceptor: Dr. Gregoire Altan-Bonnet

3-PM. Anila Afzal
Optimization of B-cell Expansion System
University of Maryland, Baltimore County (Maryland)
Preceptor: Dr. Rachel Beyer

4-PM. Ameenat Akeeb, Samin Panahi
Functioning of the Positive and Negative Affect Schedule (PANAS) and Geneva Emotion Wheel (GEW) in Severely Chronically Ill Patients
Georgetown University (District of Columbia), University of Maryland, Baltimore County (Maryland)
Preceptors: Dr. Rezvan Ameli, Dr. Ann Berger

5-PM. Ben Akman
Mapping the Interaction of BRD4 and c-MYC
University of Maryland, College Park (Maryland)
Preceptor: Dr. Devaiah Ballachanda, Dr. Amit Singh

6-PM. Anne Albright
Transforming Growth Factor-beta Signaling in Germinal Center B Cells Promotes the Transition from Light Zone to Dark Zone Independently of IgA Induction
University of Chicago (Illinois)
Preceptor: Dr. Jagan Muppidi

7-PM. Julie Alejo
Interferonopathy in APECED Patients
Loyola University Maryland (Maryland)
Preceptor: Dr. Stefania Pittaluga, Dr. Mihalis Lionakis

8-PM. Imani Alexander
3D Visualization of the Metastatic Niche in Human Livers
University of Alabama at Birmingham (Alabama)
Preceptor: Dr. Jonathan Hernandez

9-PM. Sara Alexander
The Effect of Pseudomonas aeruginosa *Alkylquinolones and Phenazines on* Staphylococcus aureus
University of Oklahoma (Oklahoma)
Preceptor: Dr. Anupama Khare

10-PM. Sarah Altman
Examination of Aminophenol-containing Compounds Designed as Antiproliferative Agents and Potential Atypical Retinoids
University of Texas at San Antonio (Texas)
Preceptor: Dr. Terrence Burke

11-PM. Megan Andres
Gene Expression in Extracellular Vesicles from Proteasome Inhibitor Sensitive vs. Proteasome Inhibitor Resistant Multiple Myeloma Cells
University of North Georgia (Georgia)
Preceptor: Dr. Beverly Mock, Dr. Rania Labib

12-PM. Nima Assad
A High-throughput Platform to Examine G-quadruplex DNA Binding Specificity
University of California, San Diego (California)
Preceptor: Dr. Charles Vinson

13-PM. Sukriti Bagchi
Lineage Specific Transcription Factor SOX11 Drives Cell Growth and SOX4 Induces Differentiation in Neuroblastoma
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Deblina Banerjee, Dr. Carol Thiele

14-PM. Meriam Bahta
Combination Therapy Using Osimertinib, a 3rd Generation EGFR TKI, and Dactolisib, a Dual PI3K/mTOR Inhibito,r in Overcoming Osimertinib Resistant Lung Adenocarcinoma.
University of Maryland, Baltimore County (Maryland)
Preceptor: Dr. Udayan Guha, Dr. Tapan Maity

15-PM. Francine Baker
Cystathionine-Beta Synthase, a Key Enzyme in Estrogen Receptor-negative Breast Cancer
University of Maryland, College Park, School of Public Health (Maryland)
Preceptor: Dr. Tsion Minas, Dr. Stefan Ambs

16-PM. Adrian Baris
Sirtuin1 Protects the Genome by Inhibiting Excess DNA Replication via Interactions with the Minichromosome Maintenance Complex
Scripps College (California)
Preceptor: Dr. Mirit Aladjem

17-PM. Anna Belford
A Machine learning Model Built on the Genomic Composition of DNA Tumor Viruses to Predict Evolutionary Mechanisms and Taxonomic Classification
Saint Martin's University (Washington)
Preceptor: Dr. Chris Buck

18-PM. Meghan Bell
Development of GPC3-targeted Imaging Agents in Hepatocellular Carcinoma (HCC)
State University of New York - Binghamton (New York)
Preceptor: Dr. Freddy Escorcia

19-PM. Sarah Bergholtz
Chemoproteomic Profiling of the Oncometabolite Fumarate
University of Michigan (Michigan)
Preceptor: Dr. Jordan Meier

20-PM. Jenna Bingham
Altered Glycolytic Dependence of Cancer Cells in Response to Radiation Therapy
Indiana University (Indiana)
Preceptor: Dr. Aparna Kesarwala

21-PM. Ben Birkenfeld
Generating CRISPR-Cas9 Guide RNAs Using the microRNA Biogenesis Pathway
Amherst College (Massachusetts)
Preceptor: Dr. Xavier Bofill de Ros, Dr. Shuo Gu

22-PM. Quinton Brail
A Synthetic System to Study Gene Expression Regulation by Metabolic Rewiring
University of California, Berkeley (California)
Preceptor: Dr. Pedro De Oliveira Batista

23-PM. Chloe Briney
Photoinducible Detection of the Oncometabolite Fumarate
Grinnell College (Iowa)
Preceptor: Dr. Jordan Meier

24-PM. Keri Bryson
Profiling N4-acetylcytidine with Specific Affinity and Reactivity
Bridgewater State University (Massachusetts)
Preceptor: Dr. Jordan Meier

25-PM. Grace Bugos
Characterization of the Role of Grb2-binding Protein c-Cbl in TCR-mediated Calcium Signaling
Case Western Reserve University (Ohio)
Preceptor: Dr. Lawrence Samelson, Dr. Ana Dios Esponera

26-PM. Patricia Bunda
Developing Transplantable Models of Murine Metastatic Melanoma
University of California, Los Angeles (California)
Preceptor: Dr. Helen Michael, Dr. Glenn Merlino

27-PM. Madison Butler
Inhibition of DNA Topoisomerase 1 and poly(ADP-ribose) Polymerase Induces Glioblastoma Cell Death
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Jing Wu, Dr. Yves Pommier

28-PM. Hannah Carter
Role of FIP1C and Rab14 in HIV-1 Envelope Glycoprotein Incorporation
University of Maryland, Baltimore County (Maryland)
Preceptor: Dr. Melissa Fernandez, Dr. Eric Freed

29-PM. Morgan Carter
Targeting Mechanisms of Camptothecin Resistance in Ewing Sarcoma Using a High-throughput Drug Screening Assay
University of Virginia (Virginia)
Preceptor: Dr. John Shern, Dr. Carly Sayers

30-PM. Sakereh Carter
A Novel Cofactor KAT2A Mediates N-Myc Stability and Oncogenic Activity in N-Myc Amplified NB Cells
California State University, Sacramento (California)
Preceptor: Dr. Zhihui Liu, Dr. Carol Thiele

31-PM. Alexander Chan
Identification of Surface Proteases Involved in Mesothelin Shedding for Enhancement of Immunotoxin Therapy
Pennsylvania State University (Pennsylvania)
Preceptor: Dr. Ira Pastan

32-PM. Carissa Chan
Cell-Cell Communication Drives Phenotypic Heterogeneity in a Population of Differentiating Bacteria
University of California, Los Angeles (California)
Preceptor: Dr. Kumaran Ramamurthi, Dr. Thomas Delerue

33-PM. Srividya Chandrasekhar
Developing Mouse Models to Dissect Argonaute Functions in vivo
Rensselaer Polytechnic Institute (New York)
Preceptor: Dr. Joana Vidigal

34-PM. Noah Chen
Production and in vitro Characterization of Recombinant Immunotoxin Against CTLA-4
University of Michigan (Michigan)
Preceptor: Dr. Masanori Onda, Dr. Ira Pastan

35-PM. Austin Chiappetta
Mechanisms of mRNA Acetylation
University of Northwestern - St. Paul (Minnesota)
Preceptor: Dr. Daniel Arango, Dr. Shalini Oberdoerffer

36-PM. George Chrisafis
Polarized Distribution of Rab13 and Net1 mRNAs during Collective Invasion
University of Vermont (Vermont)
Preceptor: Dr. Stavroula Mili

37-PM. Monika Chung
Investigating the Role of Microglia in Protection against Breast Cancer Metastasis to the Aged Brain.
University of Cambridge (Non-U.S.)
Preceptor: Dr. Lalage Wakefield

38-PM. Victor Collins
In vitro Evaluation of Topoisomerase Inhibitors in Pediatric Sarcomas
University of Akron (Ohio)
Preceptor: Dr. Christine Heske

39-PM. Dominique Daly

Pharmacokinetics of Recombinant Immunotoxins Targeting Mesothelin or BCMA
Hampton University (Virginia)
Preceptor: Dr. Ira Pastan, Dr. Tapan Bera

40-PM. Andrew DeLaitsch
Immunological Evolution of Antibodies to the Tumor Associated Lewis-Y Antigen
University of Wisconsin - Madison (Wisconsin)
Preceptor: Dr. Jeffrey Gildersleeve

41-PM. Ivan Dingle
Site-specific Labeling Improves the Properties of Fluorophore-Antibody Conjugates for in vivo Imaging
The Citadel (South Carolina)
Preceptor: Dr. Martin Schnermann

42-PM. Alexander Doan
Coordination of the Replication of the Two Chromosomes in Vibrio cholerae
Duke University (North Carolina)
Preceptor: Dr. Revathy Ramachandran, Dr. Dhruba Chattoraj

43-PM. Anna Duemler
Production of Autologous Monocytes Stimulated ex vivo with Sylatron (peg-interferon alfa 2b) and Actimmune (interferon gamma 1b) for Intraperitoneal Administration in Phase 1 Clinical Trial
Pennsylvania State University (Pennsylvania)
Preceptor: Dr. Daniel Green, Dr. Christina Annunziata

44-PM. Eliza Duvall
Single Cell Transcriptome and ATAC-seq Analysis Reveal Pancreatic Hormone Lineage Decisions
Virginia Polytechnic Institute and State University (Virginia)
Preceptor: Dr. Efsun Arda

45-PM. Olivia Feehan-Nelson
Investigating the Regulation of PAX-FOXO1 Fusion-negative Rhabdomyosarcoma Differentiation through the Arf Pathway
Lawrence University (Wisconsin)
Preceptor: Dr. Katie Hebron, Dr. Paul Randazzo

46-PM. Juliet Fink
Quantitative Difference in PLZF Protein Expression Determines iNKT Lineage Fate
Colorado College (Colorado)
Preceptor: Dr. Jung Hyun Park, Dr. Juntae Kwon

47-PM. Sarah Fuller
Characterization of Pulmonary Function in Patients with Multiple Endocrine Neoplasia Type 2B (MEN2B)
University of Connecticut (Connecticut)
Preceptor: Dr. John Glod, Dr. Jaydira Del Rivero

48-PM. Erin Fykes
Myf6 Expression as a Potential Biomarker for Classic Hairy Cell Leukemia
Washington and Lee University (Virginia)
Preceptor: Dr. Robert Kreitman, Dr. Evgeny Arons

49-PM. Kelsey Gallant
High-throughput Imaging of DNA Damage Biomarkers in Primary Human Immune Cells
Spelman College (Georgia)
Preceptor: Dr. Gianluca Pegoraro, Dr. Tom Misteli

50-PM. Joseph Garvey
Investigating the Role of Calcineurin in Calcium-dependent TCR Microcluster Kinetic Lags
Carnegie Mellon University (Pennsylvania)
Preceptor: Dr. Lakshmi Balagopalan, Dr. Lawrence Samelson

51-PM. Anna Gibson
Nicotinamide Phosphoribosyltransferase (NAMPT) as a Target in Ewing sarcoma
Virginia Polytechnic Institute and State University (Virginia)
Preceptor: Dr. Christine Heske

52-PM. Caroline Gilmore
Restricting Diffusive Exchange in vitro Demonstrates Nos2 Modulates Hypoxic Gradients in the Tumor Microenvironment
University of Richmond (Virginia)
Preceptor: Dr. Will Heinz

53-PM. Miguel Gomez
Development of Novel Low-molecular-weight Fluorophores
New York City College of Technology (CUNY) (New York)
Preceptor: Dr. Siddharth Matikonda, Dr. Martin Schnermann

54-PM. Jacob Gross
Integrative Analysis of DNA Replication Sequencing Data
University of Maryland, College Park (Maryland)
Preceptor: Dr. Mirit Aladjem, Dr. Lorinc Pongor

55-PM. Sabina Gudmundsson
Mycoplasma pulmonis *as a Model Organism for the Study of Bacterial Histone-like Protein HU*
Lehigh University (Pennsylvania)
Preceptor: Dr. Subhash Verma, Dr. Sankar Adhya

56-PM. Nicholas Gutsche
Developing Radiopharmaceuticals for Imaging and Therapeutic Approaches to Hepatocellular Carcinoma
Kenyon College (Ohio)
Preceptor: Dr. Freddy Escorcia

57-PM. Lillian Hallmark
A CRISPR/Cas9 Activation Screen to Identify the Cellular Regulators of the miRNA Microprocessor
University of Maryland, College Park (Maryland)
Preceptor: Dr. Lisheng Dai, Dr. Shuo Gu

58-PM. Nikki Hatamian
The Neuro-Oncology Branch (NOB) Natural History Study: Improving Data Collection and Feasibility through an NOB Clinical Research Trainee Extender (CoRTEX) Role
University of California, Irvine (California)
Preceptor: Dr. Terri Armstrong

59-PM. Sara Hazaveh
Efficacy of a Novel DNA Methyltransferase Inhibitor Using an in vivo Model of Myelodysplastic Syndrome (MDS)
Rutgers University- New Brunswick (New Jersey)
Preceptor: Dr. Peter Aplan, Dr. Yang Jo Chung

60-PM. Audrey Heffner
Substrate Binding by DnaJ, a Ccochaperone of E. coli *Hsp70*
University of Maryland, College Park (Maryland)
Preceptor: Dr. Sue Wickner, Dr. Shannon Doyle

61-PM. Edjay Ralph Hernandez
Evaluating the Efficacy of a Small Molecule Compound, ARS-1620, in KRAS G12C Mutated Pediatric Cancer
Minot State University (North Dakota)
Preceptor: Dr. Marielle Yohe

62-PM. Megan Hess
T-Cell Function in the Context of IFN-γ
Creighton University (Nebraska)
Preceptor: Dr. Howard Young

63-PM. Christopher Hogge
Systemic and Mucosal Humoral Immunity Induced by Ad-SIV Recombinant Vaccines Delayed SIV Acquisition and Enhanced Viremia Control in Rhesus Macaques
Wake Forest University (North Carolina)

Preceptor: Dr. Marjorie Guroff, Dr. Sabrina Helmold-Hait

64-PM. Maran Ilanchezhian
Clinical Characterization of Patients with SDHC Epimutation in Gastrointestinal Stromal Tumors
College of William & Mary (Virginia)
Preceptor: Dr. Fernanda Arnaldez, Dr. John Glod

65-PM. Joy Johnson
Engineering Bacteriophage T7 to Target Phage Resistance in Escherichia coli
University of California, San Diego (California)
Preceptor: Dr. Manoj Rajaure, Dr. Sankar Adhya

66-PM. Morgan Johnson
Do Breast Cancer Secreted Exosomes impact IFN-g Cell Signaling?
St. John Fisher College (New York)
Preceptor: Dr. Howard Young, Dr. Julio Valencia

67-PM. Sarah Joseph
Molecular Dissection of Pro-tumorigenic Activity of Mesothelin in Pancreatic Cancer
Georgetown University (District of Columbia)
Preceptor: Dr. Christine Alewine

68-PM. Erina Kamiya
Expanding the Limits of 3D Fluorescence Microscopy
Lafayette College (Pennsylvania)
Preceptor: Dr. Valentin Magidson

69-PM. Farrah Karimipour
The Role of TCR Affinity in Mediating Tumor Regression with Adoptive T Cell Therapy
Florida State University (Florida)
Preceptor: Dr. John Davies

70-PM. Fehad Khan
Multiplexed CRISPR/Cas9 Gene Knockout with Simple crRNA:tracrRNA Co-transfection
Boston College (Massachusetts)
Preceptor: Dr. Ji Luo

71-PM. Sophia Khan
Exploring Mechanisms of Resistance to Vandetanib in Medullary Thyroid Carcinoma
University of Maryland, College Park (Maryland)
Preceptor: Dr. John Glod

72-PM. Bryce Killingsworth
Optimization of Labels for EV Repertoire Analysis
University of California, San Diego (California)
Preceptor: Dr. Jennifer Jones, Dr. Joshua Welsh

73-PM. Jessica Kindrick
Analysis of Bortezomib Pharmacokinetics and CYP3A4-Mediated Drug-Drug Interactions in a Pediatric Leukemia Patient
Georgetown College (Kentucky)
Preceptor: Dr. Cody Peer, Dr. William Figg

74-PM. Martina Knechel
Regulation of Organic Anion Transporting Polypeptide (OATP) 1B3 in Prostate Cancer Cells
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. William Figg, Dr. Douglas Price

75-PM. Julianna Kostas
Knock-down of ARID1A and ARID1B in an Adenocarcinoma Prostate Cancer Cell Line to Recapitulate the Neuroendocrine Transdifferentiation Phenotype
Williams College (Massachusetts)
Preceptor: Dr. Michael Beshiri

76-PM. Samuel Kouatcheu
Thyroid Nodules in XP Patients
Florida Agricultural and Mechanical University (Florida)
Preceptor: Dr. Kenneth Kraemer

77-PM. Stacey Krepel
High Glucose Promotes Human Glioblastoma Cell Growth by Increasing the Expression and Function of Chemoattractant and Growth Factor Receptors
University of Alaska, Fairbanks (Alaska)
Preceptor: Dr. Ji Ming Wang, Dr. Zhiyao Bao

78-PM. Alex Kuznetsov
Kinetic Analysis of TIMP-2 Biotherapeutic Following Systemic Administration
University of Maryland, Baltimore County (Maryland)
Preceptor: Dr. William Stetler-Stevenson

79-PM. Khiem Lam
Microbiota Shapes the Tumor Microenvironment and Regulates Tumor Growth
Oregon State University (Oregon)
Preceptor: Dr. Romina Goldszmid, Dr. Romina Araya

80-PM. Sarah B. Lazar
Genome-wide Analysis of Gene Regulation by FOXA1 in Colorectal Cancer
Women's Institute of Torah Seminary (Maryland)
Preceptor: Dr. Ashish Lal

81-PM. Alex Lee
Rho-associated Protein Kinase (ROCK) Inhibition Reduces Ras-induced Senescence
University of Hawaii at Manoa (Hawaii)
Preceptor: Dr. Luowei Li

82-PM. Nicole Leggiero
Use of Virtual Reality for Symptom Management: Application in Neuro-Oncology
Montgomery College (Maryland)
Preceptor: Dr. Terri Armstrong, Dr. Amanda King

83-PM. Iris Li
Insights into the Interaction between Sgo1 and the Chromosomal Passenger Complex
University of California, Berkeley (California)
Preceptor: Dr. Alexander Kelly

84-PM. Hanne Lind
IL-8 Signaling in Head and Neck Squamous Cell Carcinoma
University of Michigan (Michigan)
Preceptor: Dr. Claudia Palena

85-PM. Natalie Lindo
Analysis Of Rebound HIV Viremia during PML-IRIS
Johns Hopkins University (Maryland)
Preceptor: Dr. Frank Maldarelli, Dr. Camille Lange

86-PM. Hannah Lou
Functional Validation of Genes at Bivalent Domains in Treating Malignant Peripheral Nerve Sheath Tumor Cells
University of Wisconsin-Madison (Wisconsin)
Preceptor: Dr. Jack Shern, Dr. Xiyuan Zhang

87-PM. Kimberly Lukasik
CPAP Is Essential for Centriole Structuring but Not for Mitotic Centrosome Maturation
Shepherd University (West Virginia)
Preceptor: Dr. Jadranka Loncarek

88-PM. Gaelyn Lyons
Mass Spectrometry Analysis of Protein Interactors for rre-Let-7 MiRNA
Eastern University (Pennsylvania)

Preceptor: Dr. Lisa Jenkins

89-PM. Marisa Maisiak
TRAP1 Deletion Alters the Metabolic Profile of Bladder Cancer Cells
University of California, Berkeley (California)
Preceptor: Dr. Li Dai

90-PM. Yasuko Mano
Does Skin Allograft Rejection Require CD4+ T Cells to be Helper and CD8+ T Cells to be Cytotoxic?
Massachusetts Institute of Technology (Massachusetts)
Preceptor: Dr. Miho Shinzawa, Dr. Alfred Singer

91-PM. Shannon Martello
Comparative Analysis of RNA Expression Profiles in Different Strains of Mice Following Whole-body Irradiation
Johns Hopkins University (Maryland)
Preceptor: Dr. Molykutty Aryankalayil, Dr. Norman Coleman

92-PM. Andrew McGowan
Identification of Glucocorticoid Receptor Coregulators at a Single Genomic Locus
Dickinson College (Pennsylvania)
Preceptor: Dr. Diana Stavreva

93-PM. Claudia Meyer
Understanding the Role of gp78 in Metastatic Breast Cancer
Juniata College (Pennsylvania)
Preceptor: Dr. Yien Che Tsai

94-PM. Kimberly Meza
Lineage Tracing Nucleotide Polymorphisms via Whole Genome Sequencing in Normal, Premalignant, and Malignant Mammary Populations
Barnard College of Columbia University (New York)
Preceptor: Dr. Gilbert Smith

95-PM. Preeti Mohan
Development of a System to Distinguish Translated and Untranslated HIV-1 RNA in Cells
Northwestern University (Illinois)
Preceptor: Dr. Jianbo Chen, Dr. Wei-Shau Hu

96-PM. Susana Najera
NAMPT Inhibitor (GMX1778) as a Novel Therapeutic Agent for HLRCC Patients
Johns Hopkins University (Maryland)
Preceptor: Dr. Marston Linehan, Dr. Jordan Meier

97-PM. Jenny Nathans
A Gradually Increasing Cyclin D1 to p21 Ratio through G1 Confers Cell-cycle Commitment Inertia
Yale University (Connecticut)
Preceptor: Dr. Steven Cappell

98-PM. Aaron Nelson
Analysis of Cross Platform, Inter-Laboratory, and Intra-Laboratory Variability in Flow Cytometric Quantification of Antigen Expression and Development of Controls for Standardization
Ursinus College (Pennsylvania)
Preceptor: Dr. Maryalice Stetler-Stevenson

99-PM. Victoria Nguyen
Precision Immunotherapy with CD206 Small Molecule Modulators Selectively Targeting M2-like Tumor-associated Macrophages
George Mason University (Virginia)
Preceptor: Dr. Udo Rudloff, Dr. Rushikesh Sable

100-PM. Lily O'Connor
The RNA Binding Lupus Autoantigen Ro60 Is Complexed with the 3' to 5' Exoribonuclease Polyribonucleotide Nucleotidyltransferase 1 in Human Cells and Accumulates in the Nucleus during Apoptosis
University of Puget Sound (Washington)
Preceptor: Dr. Sandra Wolin, Dr. Soyeong Sim

101-PM. Michelle Pan
Is Autocrine IL-36 Signaling Oncogenic RAS Achilles' Heel in Epidermal Keratinocytes?
Franklin and Marshall College (Pennsylvania)
Preceptor: Dr. Christophe Cataisson, Dr. Stuart Yuspa

102-PM. Ruchi Patel
Selection for Cisplatin-resistance Confers Resistance to Anti-microtubule Drugs
Johns Hopkins University (Maryland)
Preceptor: Dr. Michael Gottesman, Dr. Sachi Horibata

103-PM. Emily Peluso
Two Dimensional Ratchet Model Describes the Assembly of a Bacterial Supramolecular Structure
University of North Carolina at Chapel Hill (North Carolina)
Preceptor: Dr. Kumaran Ramamurthi

104-PM. Phuong Pham
*Characterization of Potent Second Generation HIV-maturation Inhibitors*Macalester College (Minnesota)
Preceptor: Dr. Rachel van Duyne

105-PM. Anaisa Quintanilla-Arteaga
MCL-1 Inhibitors Sensitize Proteasome Inhibitor Resistant Multiple Myeloma Cells
Georgetown University (District of Columbia)
Preceptor: Dr. Beverly Mock, Dr. Snehal Gaikwad

106-PM. Haris Qureshi
Evaluating the Chimeric Antigen Receptor (CAR) T Cell Immune Synapse in the Development of ALL and AML CAR-T Therapies
University of Connecticut (Connecticut)
Preceptor: Dr. Haiying Qin

107-PM. Vanitha Raguveer
*Discovery of a KK-LC-1 Specific HLA-A*02:01 Restricted T-cell Receptor Targeting Epithelial Cancers*
Case Western Reserve University (Ohio)
Preceptor: Dr. Lindsey Draper

108-PM. Morgan Riba
Integrative Analysis of High-throughput Drug Screening Data for a PDX/Organoid Biobank of Advanced Prostate Cancers
Texas A&M University (Texas)
Preceptor: Dr. Kathy Kelly

109-PM. Genesis Rivera-Marquez
Small Molecule Inhibitors of Hsp40 and Hsp70 Destabilize Multiple Nuclear Receptors in Castration-resistant Prostate Cancer
Johns Hopkins University (Maryland)
Preceptor: Dr. Leonard Neckers

110-PM. Andrea Robinson
Co-expression of ABCB1 and ABCG2 Reveals Independent and Additive Transporter Function
University of North Texas (Texas)
Preceptor: Dr. Michael Gottesman, Dr. Robert Robey

111-PM. Elba Rojano Gonzalez
Characterizing the Selection of Autoreactive Thymocytes in the Thymus
University of Texas at San Antonio (Texas)
Preceptor: Dr. Alfred Singer, Dr. Xuguang Tai

112-PM. Uriel Rose
Role of the Microbiota in Primary Lung Cancer Initiation and Progression
Alabama State University (Alabama)
Preceptor: Dr. Marie Vetizou

113-PM. Abraham Sachs
Enhancing the Detection of Cysteine-containing Cancer Neoepitopes
College of William & Mary (Virginia)
Preceptor: Dr. Paul Robbins

114-PM. Natalie Sahabandu
Enlarge to See: Expansion Microscopy in the Analysis of Centrioles
University of California, Davis (California)
Preceptor: Dr. Jadranka Loncarek

115-PM. Natalia Salinas Parra
Testing the EPAC Inhibitor ESI-09 in Basal Cell Carcinoma Treatment
Yale University (Connecticut)
Preceptor: Dr. Ramiro Iglesias-Bartolome

116-PM. Daniel Schilling
Using Quantitative Image Analysis and CRISPRi/CRISPRa Approaches to Explore Deubiquitinating Enzymes as Mutant-p53 Modulators in Ovarian Cancer Cells
Ohio State University (Ohio)
Preceptor: Dr. Ettore Appella

117-PM. Zoe Shancer
Recombinant Immunotoxins Targeting B-cell Maturation Antigen Induce Complete Responses in Two Bone Marrow Myeloma Mouse Models
Vanderbilt University (Tennessee)
Preceptor: Dr. Ira Pastan, Dr. Tapan Bera

118-PM. Priya Shankarappa
Improving Blood-Brain Barrier Penetration of Temozolomide (TMZ) in a Healthy and Diseased Murine Model
Northwestern University (Illinois)
Preceptor: Dr. Cody Peer, Dr. Sadhana Jackson

119-PM. Impana Shetty
Regulation of the Male-specific Oncogene CDCA7L in Glioblastoma
University of Maryland, College Park (Maryland)
Preceptor: Dr. Karlyne Reilly

120-PM. Mark Sokolsky
IL1R2 Expression in Hairy Cell Leukemia and Hairy Cell Leukemia Variant
University of Maryland, College Park (Maryland)
Preceptor: Dr. Robert Kreitman, Dr. Evgeny Arons

121-PM. Xayathed Somoulay
Investigating Cis-acting Elements Important for HIV-1 Genomic RNA Packaging
St. John Fisher College (New York)
Preceptor: Dr. Olga Nikolaitchik, Dr. Wei-Shau Hu

122-PM. Megan Stefkovich
Establishing Patient-derived Liver Tumoroid-immune Cell Co-cultures to Model Immunotherapy Response
University of Wisconsin-Madison (Wisconsin)
Preceptor: Dr. Natalie Porat-Shliom

123-PM. Varun Subramanyam
Analysis of Human InnateLymphoid Cells in the Peripheral Blood of Hepatocellular Carcinoma Patients
Purdue University (Indiana)
Preceptor: Dr. Tim Greten, Dr. Bernd Heinrich

124-PM. Eve Suva
A Specific SUMO Consensus Site Leads to the Incorporation of Centromeric Histone H3 into Chromatin
University of California, Santa Cruz (California)
Preceptor: Dr. Kentaro Ohkuni, Dr. Munira Basrai

125-PM. Logan Tenney
Structure Guided Design of Synthetic Ligands for the PreQ1 Riboswitch
University of Wisconsin - Madison (Wisconsin)
Preceptor: Dr. John Schneekloth, Dr. Robert Boer

126-PM. Lisa Thammavong
Temporal Dynamics and Stability of an Artificial Microbiota Consortium in Gnotobiotic and in vitro Assays
Iowa State University (Iowa)
Preceptor: Dr. Giorgio Trinchieri, Dr. John McCulloch

127-PM. Abigail Thorpe
Computational Analysis, Characterization, and Validation of Barcoded SIV and SHIVs to Track Viral Lineages in Nonhuman Primates
George Washington University (District of Columbia)
Preceptor: Dr. Brandon Keele

128-PM. Zachary Torrey
Binding and Inhibition of NRAS mRNA with Drug-like Small Molecules
George Mason University (Virginia)
Preceptor: Dr. John "Jay" Schneekloth Jr.

129-PM. Van Truong
Exploding the T-cell Variability Landscape Using Pharmacological Perturbations
Johns Hopkins University (Maryland)
Preceptor: Dr. Gregoire Altan-Bonnet

130-PM. Aniekanabasi Ufot
5-Formylcytosine and 5-Carboxylcytosine Strengthen Binding of the B-ZIP Homodimers CREB1 and ATF2 and the Heterodimers ATF3|cJun and cFos|cJun
University of Maryland, College Park (Maryland)
Preceptor: Dr. Charles Vinson

131-PM. Nicholas Verdini
Prognostic Value of Sequential 18F-FDG + Na18F PET/CT in Metastatic Genitourinary Cancer Patients Treated With Cabozantinib/Nivolumab +/- Ipilimumab
Emmanuel College (Massachusetts)
Preceptor: Dr. Andrea Apolo

132-PM. Ariana Vitale
Characterizing CEBPD and Its Target Genes' Expression in Inflammatory Breast Cancer
Edward Waters College (Florida)
Preceptor: Dr. Balamurugan Kuppusamy

133-PM. Yamini Vyas
Studying the Correlation between Patient Reported Outcomes and Symptomatic Adverse Events in Brain Tumor Patients Receiving Immunotherapy
Johns Hopkins University (Maryland)
Preceptor: Dr. Terri Armstrong, Dr. Mark Gilbert

134-PM. Jessica Yau
The Effects of Changes in Lipid Sstructures of beta-mannosylceramide in the Activation of Invariant Natural Killer T cells and Stimulation of Anti-tumor Immunity
University of Maryland, College Park (Maryland)
Preceptor: Dr. Jay Berzofsky, Dr. Masaki Terabe

135-PM. Alex Zhang
Cryo-EM Studies of Redox-dependent Conformational Change in the Mitochondrial Complex III: Implicatiosn for Its Function
University of Maryland, College Park (Maryland)
Preceptor: Dr. Di Xia

136-PM. Ray Zhang
Cell-specific and Cytoplasmic Domain Requirements for CD40 Function in Immune Development and Responses

Duke University (North Carolina)
Preceptor: Ms. Ying Lu, Dr. Richard Hodes

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

137-PM. Daina Eiser
Mapping the Epigenomic Landscape of Pancreatic Cell Lines
University of Maryland, College Park (Maryland)
Preceptor: Dr. Jason Hoskins, Dr. Laufey Amundadottir

138-PM. Naomi Gordon
Elucidating Mechanisms Contributing to Pancreatic Cancer Risk at the chr22q12.1 Locus
University of Pennsylvania (Pennsylvania)
Preceptor: Dr. Ashley Jermusyk, Dr. Laufey Amundadottir

139-PM. Cole Graham
Using Burden Testing of Whole-exome Sequencing Data to Examine the Relationship between CDKN2A Mutation Carrier Status and Pancreatic Cancer
Swarthmore College (Pennsylvania)
Preceptor: Dr. Alisa Goldstein

140-PM. Seraph Han-Yin Lin
Alternative Splicing of APOBEC3B as an Intrinsic and Targetable Modulator of APOBEC-mediated Mutagenesis
University of Maryland, College Park (Maryland)
Preceptor: Dr. Ludmila Prokunina-Olsson, Dr. Rouf Banday

141-PM. Lindsey Mehl
Functional Analysis of Tanning and Melanoma Risk Locus chr7p21.1 Implicates the Aryl Hydrocarbon Receptor (AHR)
Northwestern University (Illinois)
Preceptor: Dr. Kevin Brown

142-PM. Alaina Shreves
Exploring Cancer Risks for the Diethylstilbestrol (DES) Third Generation
College of William & Mary (Virginia)
Preceptor: Dr. Robert Hoover

143-PM. Mone't Thompson
Prevalence of PARN Germline Mutations in Disease and the General Population
Bowie State University (Maryland)

Preceptor: Dr. Sharon Savage

144-PM. Andrew Vu
Massively Parallel Reporter Assays Combined with Cell-type Specific eQTL Identified a Functional Melanoma Risk Variant in MX2 gene
University of Michigan (Michigan)
Preceptor: Dr. Kevin Brown, Dr. Jiyeon Choi

National Human Genome Research Institute (NHGRI)

145-PM. Courtney Benoit
Modeling Vitamin B12 Deficiency in Zebrafish: The Loss of the Transport Protein Tcn2 Produces New Phenotypes in Successive Generations
Colgate University (New York)
Preceptor: Dr. Lawrence Brody

146-PM. Cassidy Burke
Development of a Mouse Model of Immune-mediated Metabolic Decompensation in Leigh Syndrome
University of Virginia (Virginia)
Preceptor: Dr. Peter McGuire

147-PM. Julia Byeon
Explaining Phenotypic Variation in Sickle Cell Disease: A Microbiomic, Transcriptomic, and Genomic Investigation of the Leg Ulcer Complication
University of Chicago (Illinois)
Preceptor: Mr. Vence Bonham, Dr. Katherine Blizinsky

148-PM. Colby Carlone
Association of Pericardial Fat and Left Ventricular Mass in African-Americans
Georgetown University (District of Columbia)
Preceptor: Dr. Gary Gibbons, Dr. Jose Vargas

149-PM. Kayla Cooper
Designing a Model Program to Return Genomic Results to Low-resource Research Participants
Vanderbilt University (Tennessee)
Preceptor: Mr. Vence Bonham

150-PM. Janice Cousin
Characterization of Liver Disease in Two PMM2-CDG Children
University of Iowa (Iowa)
Preceptor: Ms. Lynne Wolfe

151-PM. Stacy Desine, Lena Eskin
Social Support Networks of Adults with Sickle Cell Disease
University of Florida (Florida), Cornell University (New York)
Preceptors: Mr. Vence Bonham, Dr. Laura Koehly

152-PM. Jenny Do
Longitudinal Behavioral Characterization of a Gaucher-associated Parkinson Murine Model: A Pilot Study
Middlebury College (Vermont)
Preceptor: Dr. Nahid Tayebi, Dr. Ellen Sidransky

153-PM. Patrick D'Onofrio
A Meta-analysis of the Effects of Gender on Brain Structure in ADHD
Boston College (Massachusetts)
Preceptor: Dr. Philip Shaw

154-PM. Monica Duran
Induced Pluripotent Stem Cells as a Tool to Study Inter-individual Variability in Down Syndrome
University of Puerto Rico, Rio Piedras Campus (Puerto Rico)
Preceptor: Dr. Diana Bianchi, Dr. Faycal Guedj

155-PM. Areian Eghbali
How Do We Explain Very Discordant Phenotypes among Three Siblings with Neuronopathic Gaucher Disease? Whole Exome Sequencing and Transcriptome Analyses
University of California, San Diego (California)
Preceptor: Dr. Ellen Sidransky, Dr. Nahid Tayebi

156-PM. Madison Esposito
Does Vitamin B12 Deficiency Have an Impact on Neurological Function in Aged Mice?
Oregon State University (Oregon)
Preceptor: Dr. Lawrence Brody

157-PM. Jennifer Frederick
Untangling the Web: Symptom Network Structure in Attention Deficit Hyperactivity Disorder
Johns Hopkins University (Maryland)
Preceptor: Dr. Philip Shaw

158-PM. Jennifer Guo
Identifying the Genetic Cause of a Novel Neutrophil Disorder
Swarthmore College (Pennsylvania)
Preceptor: Dr. May Malicdan, Dr. William Gahl

159-PM. Aaron Gurayah, Anna Shetler
Distance and Disease: Accessibility to Care, Support Networks, and Health Outcomes of Caregivers Providing for Those with Inherited Metabolic Disorders
Princeton University (New Jersey), Goshen College (Indiana)
Preceptors: Dr. Laura Koehly, Dr. Christopher Marcum

160-PM. Emily Isko
The Role of the Gut Microbiome in Disease Mechanisms of Mmaa-related Methylmalonic Acidemia in Mice
Amherst College (Massachusetts)
Preceptor: Dr. Oleg Shchelochkov, Dr. Charles Venditti

161-PM. Kelly Nguyen
Caring for Caregivers: Emotional vs. Tangible Support Influences on Overall Network Satisfaction
San Diego State University (California)
Preceptor: Dr. Laura Koehly, Mr. Aaron Gurayah

162-PM. Joel Pardo
Decreasing Propionate Load in Zebrafish Model of Propionic Acidemia by Interrupting Valine and Isoleucine Metabolism
University of Miami (Florida)
Preceptor: Dr. Oleg Shchelochkov, Dr. Charles Venditti

163-PM. Kyle Reichard
The Characterization of a Novel Zebrafish Model for a Human Seizure Disorder Caused by Mutations in PRUNE1
St. Mary's College of Maryland (Maryland)
Preceptor: Dr. Elizabeth Burke

164-PM. Margaret Rose
Emotions, Stigma, and Health: A Study of Parents with Type 2 Diabetes
University of Notre Dame (Indiana)
Preceptor: Dr. Susan Persky

165-PM. Anna Shetler, Aaron Gurayah
Social Relations in the Context of Rare Disease: Structure and Function of Caregivers' Support Networks
Goshen College (Indiana), Princeton University (New Jersey)
Preceptors: Dr. Jasmine Manalel, Dr. Laura Koehly

166-PM. Will Simmons
Examining the Role of Band 3 in Hemoglobin S Polymerization
Colby College (Maine)
Preceptor: Dr. David Bodine

167-PM. Claire Slevin
Hair Cell Rregeneration in Zebrafish after Targeted Ablation of Hair Cells with Diphtheria Toxin
Wesleyan University (Connecticut)
Preceptor: Dr. Shawn Burgess

168-PM. Benjamin Steger
Functional Analyses of an Autophagy and ER Stress-regulating Protein in a Patient with an Undiagnosed, Multisystem Disorder
Oberlin College (Ohio)
Preceptor: Dr. Marie Morimoto, Dr. May Christine Malicdan

169-PM. Tracy Swan
Stress, Coping & Neuropeptides: Differences between Parents of Healthy Children and Children with Inherited Metabolic Conditions
Northwestern University (Illinois)
Preceptor: Dr. Laura Koehly

170-PM. Jennifer Wang
Investigating the Trafficking of Lysosomal Proteins in Lung Fibroblasts in Hermansky-Pudlak Syndrome
University of Michigan (Michigan)
Preceptor: Dr. May Malicdan

171-PM. Tara Weixel
Neurodevelopmental Profiles of Congenital Disorders of Glycosylation Subjects with Subtypes PMM2-CDG and NGLY1-CDDG: A Review of Two Prospective Cohorts
American University (District of Columbia)
Preceptor: Ms. Lynne Wolfe

172-PM. Linnea Westerkam
The Importance of Exploring Multiple Genetic Explanations as Demonstrated by a Blended Phenotype of EHMT1 and ACAN Variants
Barnard College (New York)
Preceptor: Dr. Donna Novacic, Ms. Lynne Wolfe

173-PM. Tyler Wisniewski
The Impact of a Support Person on Patient Understanding and Emotional Processing during Alzheimer's Disease Risk Disclosure Sessions
Pennsylvania State University (Pennsylvania)
Preceptor: Dr. Lori Erby

174-PM. Haley Yaremych
Quantifying Physical Movement to Gain Insight into Behavioral Processes

University of Michigan (Michigan)
Preceptor: Dr. Susan Persky

National Heart, Lung, and Blood Institute (NHLBI)

175-PM. Katherine Almengo
Evaluating a Conditioning Regimen of Cyclophosphamide and Sirolimus with or Without CTLA4-Ig in a Mismatched Murine Model
Barry University (Florida)
Preceptor: Dr. Purevdorj Olkhanud, Dr. Courtney Fitzhugh

176-PM. Gregory Alspaugh
Global Analysis and Decay Associated Images (DAI) Derived from Fluorescence Lifetime Imaging Microscopy (FLIM)
Davidson College (North Carolina)
Preceptor: Dr. Jay Knutson, Dr. Alessio Andreoni

177-PM. Jenis Argueta-Amaya
High-sensitivity Troponin Is Associated with High-risk Coronary Plaque in Psoriasis
Trinity Washington University (District of Columbia)
Preceptor: Dr. Martin Playford

178-PM. Kenneth Bhatti
Characteristics of Urine Cell-free DNA in Heart and Lung Transplant
Johns Hopkins University (Maryland)
Preceptors: Dr. Sean Agbor-Enoh, Dr. Hannah Valantine

179-PM. Amy Blackburn
BTK Inhibition May Play a Key Role in the Enhanced CLL Cell Lysis of Patient Samples Treated in Combination with CD19/CD3 Bispecific Antibody
Northwestern University (Illinois)
Preceptor: Dr. Adrian Wiestner

180-PM. Hanan Bloomer
CRISPR/Cas9-mediated Homology Independent Targeted Integration in Human Hematopoietic Stem and Progenitor Cells
Georgetown University (District of Columbia)
Preceptor: Dr. Andre Larochelle, Dr. Richard Smith

181-PM. Trisha Chau, Kelvin Blade
Efficacy of Nitric Oxide Antibacterial Activity and its Synergy with Clofazimine and Amikacin against Mycobacterium Abscessus in Vitro
Oregon State University (Oregon), Mississippi State University (Mississippi)

Preceptors: Dr. Abdi Ghaffari, Dr. Kenneth Olivier

182-PM. Yi Chen
A Bioinformatic Approach to Identifying Cardiometabolically Functional Human LincRNAs
Johns Hopkins University (Maryland)
Preceptor: Dr. Haiming Cao

183-PM. Kwame Donkor
Palmitoleate Reduces Atherosclerotic Lesions in Low Density Lipoprotein Receptor Knockout Mice
Tufts University (Massachusetts)
Preceptor: Dr. Zhihong Yang, Dr. Alan Remaley

184-PM. Matthew Donnelly
Imaging Mitochondrial Dynamics with High Resolution Microscopy
Cornell University (New York)
Preceptor: Dr. John Hammer

185-PM. Matthew Eiman
Genome-wide Association Study of Sleep Latency in Drosophila melanogaster
George Mason University (Virginia)
Preceptor: Dr. Susan Harbison

186-PM. Thiane Gaye
Methionine Sulfoxide Reductase A Binds to the Beta-8 Sheet of STARD3
University of Maryland, Baltimore County (Maryland)
Preceptor: Dr. Jung Mi Lim, Dr. Rodney Levine

187-PM. Jack Ghannam
High-throughput Single-cell DNA Sequencing to Detect Changes in Clonal Heterogeneity during Acute Myeloid Leukemia Therapy.
Loyola University Chicago (Illinois)
Preceptor: Dr. Christopher Hourigan

188-PM. Nima Ghorashi
MCU Complex Perturbation for Modulating Mitochondrial Calcium in Physiology and Disease
University of California, Los Angeles (California)
Preceptor: Dr. Julia Liu, Dr. Elizabeth Murphy

189-PM. Haley Goss-Holmes
Immunometabolic Remodeling with Nicotinamide Riboside to Attenuate Psoriatic Inflammation in a Murine Model
Bard College (New York)
Preceptor: Dr. Javier Traba

190-PM. Cristhian Gutierrez Huerta
LDL-induced Pro-inflammatory Monocyte Subset Differentiation Might Be a Potential Driver for Increased Cardiovascular Disease in African-Americans
University of California, Merced (California)
Preceptor: Dr. Tiffany Powell-Wiley, Dr. Yvonne Baumer

191-PM. Gideon Haber
Mapping Lattice Structure During Spontaneous Clathrin Curvature
University of Pennsylvania (Pennsylvania)
Preceptor: Dr. Justin Taraska, Dr. Kem Sochacki

192-PM. Hailey Harris
High Sensitivity Detection of Mutations Implicated in Chronic Lymphocytic Leukemia Drug Resistance during Treatment and Progression
Northwestern University (Illinois)
Preceptor: Dr. Adrian Wiestner

193-PM. Amir Hasani
Detailed Imaging of Lung Cysts in LAM and BHD Patients by a High-resolution Targeted CT Rescan
Georgetown University (District of Columbia)
Preceptor: Dr. Han Wen, Dr. Joel Moss

194-PM. Bridgette Heine
Lattice Morphology during Spontaneous Clathrin Curvature
University of Richmond (Virginia)
Preceptor: Dr. Justin Taraska

195-PM. Upneet Kaur
Unroofing α-Synuclein Membrane Interactions in Cells
University of Massachusetts Amherst (Massachusetts)
Preceptor: Dr. Jennifer Lee

196-PM. Ellen Kendall
Longitudinal Transcriptome Analysis of Ibrutinib Resistance in Chronic Lymphocytic Leukemia
Case Western Reserve University (Ohio)
Preceptor: Dr. Adrian Wiestner

197-PM. Noor Khalil
Circulating Levels of Interferon-γ and Tumor Necrosis Factor-α Are Associated with Lipid-rich Coronary Plaque in Psoriasis
Johns Hopkins University (Maryland)
Preceptor: Dr. Martin Playford

198-PM. Argit Marishta
Mitochondrial DNA Mismatches in Thoracic Transplantation: Potential Triggers of Allograft Immunogenicity
Keystone College (Pennsylvania)
Preceptor: Dr. Hannah Valantine, Dr. Sean Agbor-Enoh

199-PM. Rachel Ng
FIP (Fascetto-Interacting Protein) Is a Novel Chromosomal Passenger Protein That Regulates Fascetto (PRC1) to Ensure Proper Cytokinesis and Ploidy
Northwestern University (Illinois)
Preceptor: Dr. Nasser Rusan

200-PM. Kira Patterson
Developing an Improved CRISPR Interference System in the Human iPSC Model
Carleton College (Minnesota)
Preceptor: Dr. Jizhong Zou

201-PM. Jonathan Perrie
Applying a Novel DNase-Seq Technique to Human White Blood Cells at Single Cell Resolution
University of Waterloo (Non-U.S.)
Preceptor: Dr. Keji Zhao, Dr. Gangqing Hu

202-PM. Stephanie Pierre
Characterization of Human Anti-HERV-E Envelope Antibodies for the Development of CAR T cells to Treat Patients with Clear Cell Kidney Cancer
University of Georgia (Georgia)
Preceptor: Dr. Long Chen, Dr. Richard Childs

203-PM. Matthew Rodman
Diet-mediated Pathways Involving FFAR2 Regulate Inflammation in PBMCs
Vassar College (New York)
Preceptor: Dr. Michael Sack

204-PM. Cameron Roots
Support for Differential Mitochondrial Transcript Expression in Drosophila melanogaster
University of Washington - Seattle (Washington)
Preceptor: Dr. Hong Xu

205-PM. Zoe Schneider
GWAS of Platelet Aggregation Phenotypes Identifies Novel Gene Linked to Aspirin Response
University of Georgia (Georgia)
Preceptor: Dr. Andrew Johnson

206-PM. Samantha Smith
Investigating the Biochemical and Structural Basis of Centrosome Activation
Carnegie Mellon University (Pennsylvania)
Preceptor: Dr. Nasser Rusan

207-PM. Abhilash Suresh
A Pipeline to Make Sense of the Long Non-coding RNA (lncRNA) Knowledge Base (KN): Integrative GWAS, eQTL and Network Analysis
Johns Hopkins University (Maryland)
Preceptor: Dr. Mehdi Pirooznia

208-PM. Achombom (Jude) Tunyi
Helicity of Peptides with α-Methyl Amino Acids: Circular Dichroism Measurements and Development of CHARMM Potential Energy Parameters.
University of Washington-Seattle (Washington)
Preceptor: Dr. Richard Pastor, Dr. Alan Remaley

209-PM. Frances Welsh
Using Cross-species Evolutionary Analysis to Identify and Characterize Novel Centrosome Gene Duplications
University of Puget Sound (Washington)
Preceptor: Dr. Nasser Rusan

210-PM. Sierra Wilson
Stabilizing Lipoprotein Lipase with an ApoC-II Mimetic Peptide
Willamette University (Oregon)
Preceptor: Dr. Anna Wolska, Dr. Denis Sviridov

211-PM. Zoë Wong
Environmental Modifiers of Williams syndrome: A Preliminary Study
University of Oregon (Oregon)
Preceptor: Mx. Beth Kozel

National Institute of Neurological Disorders and Stroke (NINDS)

212-PM. Daniel Abraham
Development of Brain Lesions in a Primate Model of Multiple Sclerosis: From in vivo MRI to Histology
Cornell University (New York)
Preceptor: Dr. Maxime Donadieu, Dr. Daniel Reich

213-PM. Mary Alice Allnutt
HAM/TSP CSF B-cell Receptor (BCR) Derived Antibodies Demonstrated Reactivity to HTLV-1 Specific Proteins
Elon University (North Carolina)
Preceptor: Dr. Steven Jacobson, Dr. Yoshimi Enose-Akahata

214-PM. Joshua Amaya
Inhibition of the Rho-kinase (ROCK) Pathway Improves Morphology and Stress Granule Formation in ALS4 Patient iPSC-derived Motor Neurons
Brown University (Rhode Island)
Preceptor: Dr. Christopher Grunseich, Dr. Kenneth Fischbeck

215-PM. Davis Argersinger
Convection-enhanced Delivery of IL13-Pseudomonas Exotoxin in Children with Diffuse Intrinsic Pontine Glioma
University of Michigan (Michigan)
Preceptor: Dr. John Heiss

216-PM. Elena Bagatelas
Defects in NMDAR Trafficking and Stabilization Associated with Autism and Intellectual Disability Variants of the GluN2B subunit
University of Tennessee, Knoxville (Tennessee)
Preceptor: Dr. Marta Vieira, Dr. Katherine Roche

217-PM. Natalia Batchenkova
Regulation of Heavy Neurofilament Phosphorylation by the Endoplasmic Reticulum Proteins Atlastin-1 and REEP-1
University of Arkansas (Arkansas)
Preceptor: Dr. Peng-Peng Zhu, Dr. Craig Blackstone

218-PM. Aaron Bickert
Validating Marker Gene Expression in the Adult Mouse Spinal Cord after Injury
Johns Hopkins University (Maryland)
Preceptor: Dr. Ariel Levine, Ms. Kaya Matson

219-PM. Jenna Brownrout
The Influence of Research Continuity on Neurologists' Career Success as Physician-Scientists
American University (District of Columbia)
Preceptor: Dr. Omar Khan

220-PM. Jarrhett Butler
Assessing the Safety of Treating Stroke Patients Who Present in Extended Time Window Using Blood-Brain Barrier Integrity

Fisk University (Tennessee)
Preceptor: Dr. Richard Leigh

221-PM. Daniel Carrera
Synaptic Dynamics of Cone Bipolar Cells in Mouse Retina
University of Arizona (Arizona)
Preceptor: Dr. Jeffrey Diamond

222-PM. Grace Chen
In vivo-ready Lipid-conjugated siRNAs for Allele-specific Silencing of a Dominant-negative Mutation Causing Collagen VI-related Muscular Dystrophy
Johns Hopkins University (Maryland)
Preceptor: Dr. Véronique Bolduc, Dr. Carsten Bönnemann

223-PM. Maria Chroneos
Understanding the Relationship between Mesial Temporal Lobe Activation during Language fMRI and Language and Memory Function
Johns Hopkins University (Maryland)
Preceptor: Dr. Leigh Sepeta

224-PM. Catherine Cunningham
White Matter Variability and Visuospatial Cognition
King's College London (Non-U.S.)
Preceptor: Dr. Selene Schintu, Dr. Eric Wassermann

225-PM. Caroline Cuoco
The Anti-Glioblastoma Drug ONC201 and Related Analogs Act as Non-competitive Antagonists at the D2 Dopamine Receptor through Unique Binding Site Interactions
Vanderbilt University (Tennessee)
Preceptor: Dr. David Sibley, Dr. R Benjamin Free

226-PM. Melanie Delgado
Impaired Cellular Immune Responses to a Latent Epstein-Barr Virus Peptide in Patients with Multiple Sclerosis
American University (District of Columbia)
Preceptor: Dr. Steve Jacobson, Dr. Maria Chiara Monaco-Kushner

227-PM. Kate Dembny
Resting State fMRI Connectivity Profile of Seizure Onset Zones in Patients with Medically Refractory Focal Epilepsy
University of Texas at Austin (Texas)
Preceptor: Dr. Sara Inati

228-PM. Saeed Fathi
HERV-K Reverse-transcribed DNA and Asparaginase 1 mRNA Form a Triplex Leading to TDP-43 Aggregation and Neurodegeneration
University of California, Los Angeles (California)
Preceptor: Dr. Marta Garcia-Montojo, Dr. Avindra Nath

229-PM. Erin Fingleton
Neurobeachin Facilitates Recycling of Synaptic GluN2B
Carnegie Mellon University (Pennsylvania)
Preceptor: Dr. Katherine Roche

230-PM. Margaret Fink
Giant Axonal Neuropathy as a Form of Charcot-Marie-Tooth Disease: Defining the Patterns of Muscle Weakness and Clinical Phenotypes in Classic versus Mild Patients
College of William & Mary (Virginia)
Preceptor: Dr. Carsten Bönnemann, Dr. Diana Bharucha-Goebel

231-PM. Mariam Gachechiladze
CRISPR-based Platform for Multimodal Genetic Screens in Human iPSC-derived Neurons
Georgetown University (District of Columbia)
Preceptor: Dr. Michael Ward

232-PM. Julio Gamarra
Mapping Circuit Connections of preBöTzinger Complex Neurons in Adult Transgenic Rats
University of Maryland, Baltimore County (Maryland)
Preceptor: Dr. Jeffrey Smith, Dr. Shahriar SheikhBahaei

233-PM. Taylor Gordon
Comparative Analysis Using Global EEG Topography of Brain Resting States in Patients with Developmental Delay and Autism
George Washington University (District of Columbia)
Preceptor: Dr. Omar Khan

234-PM. Gretchen Greene
Neural Precursor-cell Derived Brain-like Tissue Induces the Formation of Long-range Connections in the Adult Brain
Macalester College (Minnesota)
Preceptor: Dr. Nikorn Pothayee, Dr. Alan Koretsky

235-PM. Elizabeth Horne
Neuroimaging and Cerebrospinal Fluid Biomarkers in Virologically Controlled HIV
Duke University (North Carolina)
Preceptor: Dr. Bryan Smith

236-PM. Samantha Jackson
Acute MRI with T2 Mapping Used to Classify Ischemic Core and Tissue Fate in Stroke Patients
Cornell University (New York)
Preceptor: Dr. Lawrence Latour, Dr. Marie Luby

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

238-PM. Rupleen Kaur
Gene Conversion between MSTO1 and Its Highly Homologous Pseudogene MSTO2P as a Novel Mutational Mechanism Underlying MSTO1-related Ataxia with Muscular Dystrophy
University of California, Davis (California)
Preceptor: Dr. Carsten Bonnemann

239-PM. Suhwan Paul Lee
Investigating the Sensitivity of a Hydrogen-Deuterium Exchange Prediction Model to Small Conformational Changes
University of Mississippi (Mississippi)
Preceptor: Dr. Lucy Forrest, Dr. Richard Bradshaw

240-PM. Yi Ting Liu
Novel Mouse Models of Parkinson's Disease-related CHCHD2 and CHCHD10 Support Their Genetic Interaction and a Gain-of-function Mechanism of Disease
University of Virginia (Virginia)
Preceptor: Dr. Derek Narendra

241-PM. Mary Makarious
Genetic Analysis of Normal-pressure Hydrocephalus and Its Relationship with Neurodegenerative Diseases
Loyola University of Chicago (Illinois)
Preceptor: Dr. Sonja Scholz

242-PM. Ester Masati
Using CRISPR-Based Genetic Screens to Identify Genes Contributing to Neuronal Selective Vulnerability
University of Virginia (Virginia)
Preceptor: Dr. Christopher Grunseich, Dr. Kenneth Fischbeck

243-PM. Rachel Mikofsky, Emily Alway
Frequency-specific Sinusoidal Optogenetic Stimulation of Hippocampal-Prefrontal Circuit Alters Locomotion and Anxiety-like Behavior
Columbia University (New York), Johns Hopkins University (Maryland)

Preceptors: Dr. Joshua Gordon, Dr. David Kupferschmidt

244-PM. Michael Moran
HHV-6 Viral Detection & Pro-inflammatory Cytokines in Children with Seizures
University of Pittsburgh (Pennsylvania)
Preceptor: Dr. Steve Jacobson, Dr. Luca Bartolini

245-PM. Matthew Nalls
Specific Mutations in SPTLC1 Causing a Novel Form of Childhood ALS Disrupt Sphingolipid Metabolism in Human Motor Neurons and Are Amenable to Mutation-specific Therapies
University of Maryland, College Park (Maryland)
Preceptor: Dr. Carsten Bonnemann, Dr. Payam Mohassel

246-PM. Anthony Nwankwo
Elevated Human Endogenous Retrovirus-L Family Provirus Levels in Glioblastoma
University of Maryland, College Park (Maryland)
Preceptor: Dr. Edjah Nduom

247-PM. Tracy Ogata
Development of an Assistive Sensory Input Device to Improve Motor Control in Individuals with Congenital Absence of Proprioception
University of California, Irvine (California)
Preceptor: Dr. Carsten Bonnemann

248-PM. Thomas Osterholt III
Distinguishing Tremor Components in Essential Tremor: A Digital Spirography Study
Truman State University (Missouri)
Preceptor: Dr. Felipe Vial, Dr. Debra Ehrlich

249-PM. Ikesinachi Osuorah
Evaluating the Performance of Automated Lesion Segmentation in Progressive Multifocal Leukoencephalopathy
Wake Forest University (North Carolina)
Preceptor: Dr. Irene Cortese

250-PM. Jacob Parker
Structural Magnetic Resonance Imaging Correlates of Neurodegeneration in a Spinocerebellar Ataxia Type 7 Cohort
New York University (New York)
Preceptor: Dr. Silvina Horovitz, Dr. Mark Hallett

251-PM. Aneesh Patankar
Utilizing Morpholinos to Correct a SMARD1 Patient Cell Line and Understand IGHMBP2 Function
Johns Hopkins University (Maryland)

Preceptor: Dr. Kenneth Fischbeck, Dr. Christopher Grunseich

252-PM. Rachel Rolinski
Comparison of Language Lateralization between Task-based and Resting state Functional MRI in Patients with Epilepsy
Michigan State University (Michigan)
Preceptor: Dr. William Theodore

253-PM. Marya Sabir
Examining the Genetic Underpinnings of Neurodegeneration: Polygenic Risk Scores in Atypical Parkinsonism Syndromes
Arizona State University (Arizona)
Preceptor: Dr. Sonja Scholz

254-PM. Victoria E. Sanchez
The Red-shifted Luciferase Expressing Glioma-261 Murine Model Elicits a Durable Immune-mediated Anti-tumor Response
Florida International University (Florida)
Preceptor: Dr. Edjah Nduom

255-PM. Kayla Schardien
G protein-coupled Receptor Kinases Can Enhance Beta-Arrestin Recruitment to the D2 Dopamine Receptor in the Absence of Receptor Phosphorylation
Rowan University (Maryland)
Preceptor: Dr. David Sibley, Dr. R Benjamin Free

256-PM. Kathryn Snyder
A Synthetic Contrast to Assist with Visual Identification of Focal Cortical Dysplasia Using Structural MRI in Patients with Drug-resistant Focal Epilepsy
Vanderbilt University (Tennessee)
Preceptor: Dr. Sara Inati

257-PM. Catherine Squirewell
Comparative Analysis Using Global EEG Topography of Brain Resting States in Patients with Multi Drug-resistant Temporal Lobe Epilepsy
Howard University (District of Columbia)
Preceptor: Dr. Omar Khan

258-PM. Hannah Sur
PRMT5 Knockdown Enhances LB100 Antitumor Activity in Glioblastoma
University of Southern California (California)
Preceptor: Dr. Yesh Banasavadi

259-PM. Daniel Suto
Mangafodipir: A Manganese-based Contrast Agent for Imaging Multiple Sclerosis
University of California, Los Angeles (California)
Preceptor: Dr. Daniel Reich

260-PM. Kia Thomas
Exploring Phosphorous Metabolites in Parkinson's Disease at 7-Tesla
Emory University (Georgia)
Preceptor: Dr. Silvina Horovitz, Dr. Mark Hallett

261-PM. Alice Tran
Exome Sequencing in Carriers of the C9orf72 Repeat Mutation to Identify Pathogenic Variants in Other Neurodegenerative Genes
Pennsylvania State University (Pennsylvania)
Preceptor: Dr. Mary Kay Floeter

262-PM. Emily Twedell
Examination of Striatal Inhibition of SNc Dopamine Neurons
Grinnell College (Iowa)
Preceptor: Dr. Zayd Khaliq

263-PM. Mary Vollmer
Influence of Sensorimotor Oscillatory Phase on Voluntary Movement Initiation
University of Florida (Florida)
Preceptor: Dr. Sara Hussain

264-PM. Beverly Wu
Physiologic Oligomerization and Pathogenic Aggregation of CHCHD2 and CHCHD10
University of Maryland, Baltimore County (Maryland)
Preceptor: Dr. Derek Narendra

265-PM. Esther Yoon
Genetic Determinants of Cognitive Outcome of Deep Brain Stimulation Surgery in Parkinson's Disease Patients
Indiana University (Indiana)
Preceptor: Dr. Debra Ehrlich

266-PM. Dave Youssef
Implementation of M-Sequences in Clinical Intracranial Stimulation
Ohio State University (Ohio)
Preceptor: Dr. Kareem Zaghloul, Dr. John Wittig

National Institute of Nursing Research

267-PM. Sarah Alshawi
Inflammation Partially Mediates Fatigue-like Behavior in Mice
Georgetown University (District of Columbia)
Preceptor: Dr. Leorey Saligan, Dr. Brian Wolff

268-PM. Christina Boulineaux
Genetic Markers of Lysozyme Associated with Irritable Bowel Syndrome (IBS) Symptom Severity
Johns Hopkins University (Maryland)
Preceptor: Dr. Wendy Henderson

269-PM. Kierra Butler
Health and HIV: Weight Status Associations with Multiple Co-morbidities
Barry University (Florida)
Preceptor: Dr. Wendy Henderson

270-PM. Mary Margaret Cosgrove
Running on 80%: A Mixed Methods Analysis of the Social Impact on Health Related Quality of Life in Ryanodine Receptor 1- Related Disorders.
Teachers College, Columbia University (New York)
Preceptor: Dr. Katherine Meilleur, Dr. Carlos Capella Peris

271-PM. Saloni Kumar
Influence of an 8-Week Aerobic Exercise Program on Distressing Symptoms Following Cancer Therapy
University of Texas at Austin (Texas)
Preceptor: Dr. Leorey Saligan

272-PM. Josephine Liwang
The Effects of Androgen Deprivation Therapy and Radiation Therapy on Cancer-related Fatigue
Emory University (Georgia)
Preceptor: Dr. Leorey Saligan, Dr. Li Rebekah Feng

273-PM. Candace Moore
Higher Exosomal and Plasma Neurofilament Light Chain Relate to Persistent PTSD and Post-concussive Symptoms in Veterans with a History of Traumatic Brain Injury
Virginia Commonwealth University (Virginia)
Preceptor: Dr. Jessica Gill, Dr. Vivian Guedes

274-PM. Jordan Peyer
Magnetic Resonance Imaging Results of Mild Traumatic Brain Injury Are Distinguished by Glial Fibrillary Acidic Protein Serum Concentrations

Vassar College (New York)
Preceptor: Dr. Cassandra Pattinson, Dr. Vivian Guedes

275-PM. Jeniece Regan
Cognitive and Physical Aspects of Cancer-related Fatigue
Huntington University (Indiana)
Preceptor: Dr. Leorey Saligan, Dr. Rebekah Feng

276-PM. Abhrarup Roy, Rosario Jaime-Lara
Gene Co-expression Networks Associated with Weight Gain in Kidney Transplant Patients
University of Maryland, College Park (Maryland), University of Pennsylvania (Pennsylvania)
Preceptors: Dr. Paule Joseph, Dr. Ann Cashion

277-PM. Simon Turkington
Comparing Gene Expression Profiles, Cellular Morphology, and Permeability of Gastrointestinal Epithelial cell Lines
Georgetown University (District of Columbia)
Preceptor: Dr. Wendy Henderson, Dr. Jeffrey Robinson

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