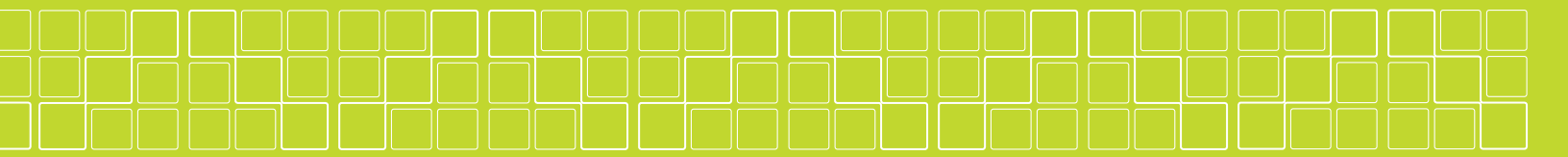


STUDENT POSTER DAY
Thursday, August 7, 2008
Natcher Conference Center

2008 SUMMER RESEARCH PROGRAM



Office of Intramural Training & Education
National Institutes of Health
U.S. Department of Health & Human Services

- Morning Session, 9:00 a.m. – 11:00 a.m.
- Lunch Session, 11:00 a.m. – 1:00 p.m.
- Afternoon Session, 1:00 p.m – 3:00 p.m.

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An Analysis of U.S. Blood Use: Integrating Databases to Evaluate Blood Utilization by Demographic Characteristics

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Optimization of Real-Time PCR Assay for Detection of Trypanosoma cruzi in Blood

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Using the yeast two hybrid system to determine protein-protein interaction

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Understanding the Cellular Localization of ADAMTS13: Investigating a Putative Nuclear Localization Signal

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Investigation of the Structure of alpha-1-Proteinase Inhibitor Polymers Using Limited Proteolysis and Nanogold Labeling

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Evaluation of DNA Replication and Protein Synthesis in Human Cancer Cell Lines by Isotopic and Non-Isotopic Techniques

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Antitumor Activity of Interleukin 13-Pseudomonas Exotoxin in Oral Cancer Cells

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Biomarkers of NTera2 Cell Differentiation

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Analysis of spike-in data for undifferentiated vs. differentiated embryonal carcinoma cells

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Detection and Characterization of IL-13/4 Receptors on Human Cancer Cells by Highly Improved Fluorogenic Immunohistochemical and In Situ Hybridization Technologies

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Evaluating Report Redundancies for Possible Signaling Value in Vaccine Safety Surveillance

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FACS Analysis of Membrane and Intracellular Proteins in B Cells

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MyD88 Dependent Annexin A2 Signaling in THP-1 Cells

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The Effect of Immune Complexes on the IFN- γ Signaling Cascade in THP-1 Cells

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Suppression of the Transcriptional Activity of the Glucocorticoid Receptor α by Liver X Receptors: Crosstalk between the Lipid-sensing and Glucocorticoid Signaling Systems

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Vascular Remodeling Factors and Congenital Heart Disease in Turner Syndrome

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Regulation of Ang II-induced ERK Phosphorylation by the I β Protein

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Relationship between Vitamin Status and BMI in US Children and Teens, NHANES 2003-2004

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Mechanism of Action of the CDK5 – GR – APP Pathway in A β Production and Alzheimer's Disease Pathogenesis

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Elevated Levels of Phosphorylated-p38 Mitogen Activated Protein Kinase (MAPK) in Uterine Leiomyoma

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Use of Germline Clones to Detect Genes Affecting Cell Cycle Regulation in Drosophila

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Using Drosophila as a genetic Model to Screen for Genes Involved in Cell Cycle Regulation

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Confidence Intervals of Measurement Error in a Two-stage Design

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Isolating and Purifying Recombinant Hexokinase
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Inclusion of Adolescent Girls in Clinical Trials in the Intramural Program – Issues of Assent Related to Pregnancy Prevention
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Construction of a Transgenic Fly by Using the phiC31 Site Specific Integration System
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Genome-wide Changes in Nodules of Different Size from Cortisol-producing Adrenal Hyperplasias
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Age at Menarche and the Risk of Type 2 Diabetes: Results from a Large Prospective Cohort Study
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Computational Approach to Visualize Localised Signalling Source Formation's Role in Regulating Cell Differentiation in the Zebrafish Hindbrain
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Influences of Context on Object Looking Times in Infants

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Epigenetic Analysis of Pheochromocytoma by Methylation Specific PCR

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Stabilizing Weak Protein-DNA Complexes in Polyacrylamide Gels

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33. Emily Japp

Pregnancy Testing and Clinical Trials - Reducing Risk Among Reproductive-aged Women in the Intramural Program

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Functional Interaction between A-kinase Anchoring Proteins (AKAPs) and Kv4.2 Potassium Channel Subunits in Hippocampal Neurons

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Quantitative rt-PCR Analysis of Differentially Expressed Genes in Bone Tumors of r1a/Ca Mice

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Cloning and Expression Analysis of Intestinal Stem Cell Marker Gene Lgr5 in Xenopus laevis

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The Effect of Overexpressing a Dominant Negative Ssdp1 Construct on Heart Development in Mus musculus

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Characterization of Xenopus laevis CenpA-CAD Complex

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Nucleotide Preferences at Sites of HIV Integration

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Effects of PLP Over-expression on Uterine Fibroid Proliferation and Apoptosis

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Cytokine levels in cord blood, anthropometric measures at birth and cognitive development

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The Regulation of Melatonin Synthesis

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Association between Indices of Insulin Resistance and Weight Gain in Children and Adolescents at High Risk for Adult Obesity

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Caffeine Consumption and Pregnancy Loss, New York State Angler Cohort Prospective Pregnancy Study

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Lipid Co-factors in Dengue Virus Mediated Membrane Fusion

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Identification of Spontaneous Revertants That Restore Growth of the sla1 Minus Strain in Minimal Medium

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Using Short DNA Reads for SNP Identification

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Adolescent Eating Behavior in the Absence of Hunger

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Computational Model of Oscillatory Neuron Activity in the Insect Antennal Lobe

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Distribution of CPE Variants in Mouse Brain

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Cloning and Characterization of PRMT1 and SRC3 in Xenopus tropicalis

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Identification of Novel Genes Involved in Post-meiotic Male Germ Cell Development

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Designing an Algorithm for Novel Gene Discovery in Developing Male Germ Cells

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Genetic and Biochemical Studies on Tethering Candidates in Drosophila melanogaster

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Attitudes toward Women and Emotional Well-being in Women with Spontaneous 46,XX Primary Ovarian Insufficiency
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The role of microRNA-31 in a breast tumor progression model
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Preventing Biomolecule Degradation via Optimization of Formalin-fixed, Paraffin-embedded Tissue
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Role of the Chromatin Binding Protein HMGN3 in Pancreatic Development
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TIMP-2 Regulation of Tumor Cell Growth

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Identification and fine mapping of a novel recurrent deletion in osteosarcoma

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CGH Analysis of Small Cell Lung Cancer and Neuroendocrine Tumors

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Ceramide Transfer Protein - Understanding the Protein-Protein Interactions and its Role in Sphingolipid Metabolism

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The Role of Secretory Leukocyte Protease Inhibitor (SLPI) in Carcinogenesis

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Does Hoxd13 Regulate Evolutionary Adaptation of Digit Morphogenesis in Bat?

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Immunofluorescent Detection of Cellular Markers in Transformed Murine Epithelial Colon Cells

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The Effect of Doxorubicin on Immunity
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Development of a Multiplex Gene Expression PCR Assay for the Quantification of Cellular Proliferation
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High Throughput, Automated Microdissection of Human Tissue Samples
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Effect of Lapatinib/Pazopanib Combination on Brain Metastatic Colonization of the MDA-MB-231 Breast Cancer Cells
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Gene Expression Profiling of 384 MDR-Linked Genes in Metastatic Melanoma
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Evaluation of Neu-expressing Murine Tumor Cell Lines for in vitro and in vivo Replication of Human Adenovirus
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Evaluation of Wound Healing Assay of PABPC1 overexpressing cells

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The Role of BRF2 in Breast Cancer Pathogenesis

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Understanding the Biological Role of Smurf2

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Human Papillomavirus as a Vaccine Target in Cervical Cancer

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A haplotype in CHST3 is associated with clinical outcome in androgen independent prostate cancer patients following drug treatment with docetaxel plus thalidomide

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Expression and purification of the nucleotide binding domains of Pdr5

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Lack of in vivo reversion in single point mutants of HTLV-1 virus with ablated expression of p12, p30 and p30p13 accessory proteins

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The Technology of Image Quantification and Analysis

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Do Mutant Replicator Sequences Prevent Gene Silencing?

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Development of Peptide Nucleic Acid - Cell Penetrating Peptide Conjugates for Cancer Therapy and Diagnosis

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Analysis of HIV-1 Sequence Diversity in Cellular Populations of HIV-Infected Pediatric Patients on Antiretroviral Treatment

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Infectious Complications After Non-Myeloablative Allogeneic Hematopoietic Stem Cell Transplantation in Children and Young Adults with Cancer

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Substance P-toxin conjugates for treating pain.

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The Role of p53 Isoforms in Cellular Senescence In Vivo

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88. Erica N Jones-Foster

Identification Of Novel Substrate Binding Sites in ATP-dependent ClpX

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Potential Therapeutic Agents for Cancer Treatment? Selective Natural Compounds Target Transcription Factors

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Effector and Regulatory T-cell Populations in Chronic Graft Versus Host Disease

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Genomic Analysis of Archival Neuroendocrine Tumors

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Breast Cancer Diagnostics Based On Interphase Spatial Genome Positioning

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Amplification of CCND1 in Head & Neck cancer

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Regulation of Pigmentation and Response to Environmental Factors in Human Skin

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Effect of depletion of TNFR2+ Regulatory T cells from normal C57BL/6 mouse spleen cells on the induction of tumor-cytotoxic cells

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Characterization of Sirt3, a mitochondrial tumor suppressor gene

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Development of Peptide Nucleic Acids (PNAs) for Ultra-Sensitive Detection of Oncogenes and Targeted Drug Delivery to Cancer Cells

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Differences in tissue quality as measured with TMA and IHC
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Intracellular distribution of adenylyl cyclase A (ACA) in chemotaxing Dictyostelium cells
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Looking for sRNAs that regulate ompT expression in Escherichia coli
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Combination strategies to increase the toxicity of lipid-based Akt inhibitors in cancer cells
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Dr. Joell Gills, Preceptors
Medical Oncology Branch and Affiliates

102. Kimberly D Mason

Determination Of Nucleotide Excision Repair Defect In Xeroderma Pigmentosum Cells
Howard University
Hometown: Washington, DC
Dr. Kenneth H. Kraemer, Preceptor
Basic Research Laboratory-Bethesda

103. Heather A Mella

Cytotoxic Therapies Alter Thymocyte and Thymic Epithelial Cell Populations
Brigham Young University
Hometown: Orem, UT
Dr. Ronald E. Gress,
Dr. Kirsten Williams, Preceptors
Experimental Transplantation and Immunology Branch

104. Miguel A Mendoza

Phenotypic Analysis of Triggering Receptor Expressed on Myeloid Cells (TREM-1) on the Myeloid Subsets of Healthy Donors

Florida International University

Hometown: Miami Lakes, FL

Dr. Daniel McVicar,

Dr. Jill Ford, Preceptors

Cancer Inflammation Program

105. Jose R Mercado

Synergistic induction of ER stress and cell death by the HIV protease inhibitor, nelfinavir, and the proteasome inhibitor, bortezomib, in myeloma and lung cancer cells

University of Puerto Rico

Hometown: Aibonito, PR

Dr. Phillip A. Dennis, Preceptor

Medical Oncology Branch and Affiliates

106. Julie K Monda

Drug Discovery Strategies for ABC Transporters

University of Tulsa

Hometown: St. Louis, MO

Dr. Matthew D. Hall,

Dr. Michael M. Gottesman, Preceptors

Laboratory of Cell Biology

107. Vanessa M Moore

Development of a Retroviral-Mediated Gene Delivery System for Long-Term Global Gene Silencing

Wells College

Hometown: Brooklyn, NY

Dr. Liang Cao, Preceptor

Genetics Branch

108. Chatura Nagaradona

Biochemical and Cellular Evaluation of Topoisomerase I Inhibitors

Col. Zadok Magruder High School

Hometown: Gaithersburg, MD

Dr. Yves Pommier,

Dr. Thomas Dexheimer, Preceptors

Laboratory of Molecular Pharmacology

109. Kelly Nelson

Towards Determining the Structure of the Scm3-Cse4-H4 Complex

Howard University

Hometown: Rockville, MD

Dr. Yawen Bai, Preceptor

Laboratory of Biochemistry and Molecular Biology

110. HyoungBin Oh

Identification of the genes regulated by the BHD tumor suppressor gene

University of Maryland
Hometown: Frederick, MD
Dr. Seung-beom Hong, Preceptor
Urologic Oncology Branch

111. Uche J Okafor

Characterization of novel inhibitors of the ATP-binding cassette transporter, ABCG2, identified by high-throughput screening

Howard University
Hometown: Bowie, MD
Dr. Susan E. Bates, Preceptor
Medical Oncology Branch and Affiliates

112. Chinyere I Okunji

In-vitro and in-vivo knockdown of the Multi-Drug Resistance (MDR1) gene using antigene peptide nucleic acids

Paint Branch High School
Hometown: Silver Spring, MD
Dr. Michael M. Gottesman,
Dr. Chava Kimchi-Sarfaty, Preceptors
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113. Oladeinde A Oladeinde

Prefractionation of Natural Product Extracts to Generate an Enhanced Screening Resource

Morgan State University
Hometown: Parkville, MD
Dr. Kirk Gustafson, Preceptor
Molecular Targets Development Program

114. Joshua M Oppenheimer

What is Cancer?: A Podcast

Winston Churchill High School
Hometown: Bethesda, MD
Dr. L. Michelle Bennett,
Ms. Rebecca Brown, Preceptors
Basic Research Laboratory-Bethesda

115. Rina Parmeshwar

In vitro and In vivo Characterization of Novel Affibody-based Chimeric Proteins for Targeted Therapy of HER2-positive Breast Cancers

University of California, Berkeley
Hometown: San Jose, CA
Dr. Jacek Capala,
Dr. Rafal Zielinski, Preceptors
Radiation Oncology Branch

116. Swetha Pasala

The Effect of TOP1mt activity on Nuclear and Mitochondrial DNA Ratios

Thomas Jefferson High School for Science and Technology
Hometown: Herndon, VA

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Dr. Hongliang Zhang, Preceptors
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117. Subha Perni

Cr-1 Expression in Mouse Model of Melanoma
Princeton University
Hometown: West Bloomfield, MI
Ms. Monica Gonzales,
Dr. David Saloman, Preceptors
Mammary Biology and Tumorigenesis Laboratory

118. Steven W Plouffe

Modulation of the Multidrug Resistance-linked ABC Drug Transporter by Tyrphostins
University of California, Berkeley
Hometown: San Jose, CA
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Dr. Chung-Pu (Paul) Wu, Preceptors
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119. Emily A Prentice

Examination of the regulation of p15INK4b by an antisense RNA in acute myeloid leukemia
Massachusetts Institute of Technology
Hometown: Vienna, VA
Dr. Thomas Paul,
Dr. Linda Wolff, Preceptors
Laboratory of Cellular Oncology

120. Stephen E Pupkin

Effects of inhibiting PLK-1 in a model of metastatic breast cancer cells to the brain
Charles E. Smith Jewish Day School
Hometown: Bethesda, MD
Dr. Diane Palmieri, Preceptor
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121. Peter Qiao

The Effect of AV-065, A Novel Beta Catenin Inhibitor On Cripto-1 Expression
Montgomery Blair High School
Hometown: North Potomac, MD
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Mammary Biology and Tumorigenesis Laboratory

122. Rehan S Quadri

Effect of E-cadherin on Cell Growth and Migration in Non-Small Cell Lung Cancer Cells
University of Maryland
Hometown: Potomac, MD
Dr. Douglas R. Lowy,
Dr. Laura Asnaghi, Preceptors
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123. Zakiya M Qualls

The Role of the Molecular Chaperone ClpB in Protein Remodeling

Howard University

Hometown: Hyattsville, MD

Dr. Sue H. Wickner,

Dr. Shannon Doyle, Preceptors

Laboratory of Molecular Biology

124. Anne M Ramsey

Nilotinib, A targeted drug for the treatment of Chronic Myeloid Leukemia: Impact of its interaction with ABC drug transporters

University of Connecticut

Hometown: Oakdale, CT

Dr. Suresh V. Ambudkar,

Dr. Suneet Shukla, Preceptors

Laboratory of Cell Biology

125. Sherri A Rennoll

Recognition and Degradation of the E. coli Cell Division Protein FtsZ by the ClpXP Protease

Cedar Crest College

Hometown: Glen Rock, PA

Dr. Sue H. Wickner,

Dr. Jodi L. Camberg, Preceptors

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126. Leah R Robbins

Identifying a DNA repair defect in patients with xeroderma pigmentosum-like disorders

Georgetown University

Hometown: Houston, TX

Dr. Kenneth H. Kraemer, Preceptor

Basic Research Laboratory-Bethesda

127. Jetaime C Ross

Degradation of Internalized Immunotoxins

Jackson State University

Hometown: Meridian, MS

Dr. John Weldon, Preceptor

Laboratory of Cellular and Molecular Biology

128. Melba Ross

Functional and Biochemical Characterization of an Antibody against the Eleven-nineteen Lysine Rich Leukemia protein (ELL)

Howard University

Hometown: Washington, DC

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Laboratory of Receptor Biology and Gene Expression

129. Sara G Sadiq-Ali

Functional Profile of the Anti-Leukemic Activity of a New Generation of Thalidomide Analogs

University of Virginia

Hometown: Reston, VA

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Laboratory of Receptor Biology and Gene Expression

130. Apeksha Saxena

Studying the Origin of DNA Replication Using Single-Molecule Analysis

Monroe Township High School

Hometown: Monroe Township, NJ

Dr. Mirit Aladjem, Preceptor

Laboratory of Molecular Pharmacology

131. Shalini Saxena

Quantitative Analysis of Neutrophil Chemotaxis to Various Attractants

Walter Johnson High School

Hometown: Bethesda, MD

Dr. Carol Parent,

Dr. Vidya Vedham, Preceptors

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132. Leah D Seifu

Influence of Matrix Density on Cell Morphology

Harvard College

Hometown: Silver Spring, MD

Dr. Christina Stuelten,

Dr. John Niederhuber, Preceptors

Cell and Cancer Biology Branch

133. Haley M Simpson

Toxicity of Fluorophores used in Molecular Imaging: a literature review

University of North Carolina

Hometown: Albertson, NC

Dr. Peter Choyke, Preceptor

Molecular Imaging Program

134. Robert J Smith

Determining the prognostic value of MR perfusion imaging in pediatric pontine gliomas

Emory University

Hometown: Germantown, MD

Dr. Kathy Warren, Preceptor

Pediatric Oncology Branch

135. Oluwademilade Soile

Chronic inflammation and Cancer : Role of Nitric Oxide

University of the Sciences in Philadelphia

Hometown: Bethesda, MD

Dr. Perwez Hussain, Preceptor

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136. Ryan N Spraggins

Linear Amplification of Low Concentration mRNA Samples using Beads and Microfluidics for Global Gene Expression Measurements

St. Ignatius College Preparatory

Hometown: Chicago, IL

Dr. Audrey Player,

Dr. Daniel Edelman, Preceptors

Genetics Branch

137. Alisha Stephens

The Effect of Alarmins in Melanoma Migration

Hampton University

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Laboratory of Molecular Immunoregulation

138. Bethtrice Thompson

Mechanisms of ABCG2 induction

Jackson State University

Hometown: Hazlehurst, MS

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139. Arleen Thukral

SsrA-Tagging of Nascent Polypeptides

Watkins Mill High School

Hometown: Bethesda, MD

Dr. Michael Maurizi, Preceptor

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140. Francis G Thumpasery

Isolation and Characterization of Double Minute DNA in the Human Ovarian Cancer Cell Line, UACC 1598

St. Albans School

Hometown: Bethesda, MD

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Genetics Branch

141. David Tolnay

Gene Set Enrichment Algorithm Using GEO Data Set

Montgomery Blair High School

Hometown: Rockville, MD

Dr. Yidong Chen,

Dr. Sean Davis, Preceptors

Genetics Branch

142. Andy P Tran

Evaluation of PH-domain specificity of a new Akt inhibitor

North Carolina State University

Hometown: Bethesda, MD
Dr. Christine M. Hollander, Preceptor
Medical Oncology Branch and Affiliates

143. Kai A Turner, Mounika Garlapati

Dimerization of B-ZIP Proteins in Living Cells Assayed by Fluorescence Imaging Technology

Howard University
Thomas Jefferson High School for Science and Technology
Hometown: Richmond, VA
Chantilly, VA
Dr. Charles Vinson, Preceptor
Laboratory of Metabolism

144. Jordee M Wells

Immunohistochemical detection of TAM-DNA adducts in endometrium - an in vitro model

Howard University
Hometown: West Haven, CT
Dr. Kaarthik John,
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145. Neil A Wijetunga

Identifying Correlations Between microRNA and mRNA Data

Columbia University
Hometown: Ambler, PA
Dr. Ewy Mathe,
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146. Christine M Wilson

Control of Cell Adhesions by Arf Family GTPase-Activating Proteins

Howard University
Hometown: Washington, DC
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147. Laura J Yockey

Transcriptional Regulation of CD4 T Cell Development by cKrox

Washington University in St. Louis
Hometown: Bethesda, MD
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Dr. Monica Zamisch, Preceptors
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148. Eric Y You

Growth rate of plexiform neurofibromas in individuals with NF1 evaluated on a natural history study or for treatment protocols at the NCI

Stevens Institute of Technology
Hometown: Alexandria, VA
Dr. Brigitte C. Widemann, Preceptor

Pediatric Oncology Branch

149. Steven E Zhang

Identification of Genes that Cooperate with Loss of Tumor Suppressor p15INK4b in Acute Myeloid Leukemia

Cornell University

Hometown: Rockville, MD

Dr. Juraj Bies,

Dr. Linda Wolff, Preceptors

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150. Diana Zhong

Optimizing the Down-Regulation of Gene Expression in Human Renal Cell Carcinoma Cell Lines Using siRNA and Lentiviral shRNA

University of Maryland

Hometown: North Potomac, MD

Dr. James C. Yang,

Dr. Ken-ichi Hanada, Preceptors

Surgery Branch

National Cancer Institute Division of Cancer Control and Population Sciences (NCI-DCCPS)

151. Tanya Vacharkulksemsuk

It's What You Don't Say: Nonverbal Behaviors in Counselor Interactions with BRCA 1/2-positive Women

University of North Carolina

Hometown: Chapel Hill, NC

Dr. Paige McDonald,

Ms. June A. Peters, Preceptors

Epidemiology and Genetics Research Program

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

152. Amanda C Bowes

Obesity in Adult Survivors of Retinoblastoma: Role of Radiotherapy and Other Risk Factors

Bryn Mawr College

Hometown: Cleveland Heights, OH

Ms. Ruth Kleinerman, Preceptor

Radiation Epidemiology Branch

153. Maria C Camargo

Genetic Polymorphisms in Inflammation-related Genes and Serum Levels of Immunoregulatory Markers in the Multicenter AIDS Cohort Study

University of Illinois at Chicago

Hometown: Chicago, IL

Dr. Charles Rabkin, Preceptor

Viral Epidemiology Branch

154. Alexander H Fischer

Measuring Urine Mutagenicity and Specific Gravity in the New England Bladder Cancer Study

University of Maryland

Hometown: Greenbelt, MD

Dr. Dalsu Baris, Preceptor

Occupational and Environmental Epidemiology Branch

155. Allison Gathany

Relationship between interferon regulatory factor 4 genetic polymorphisms, measures of sun sensitivity and risk for non-Hodgkin lymphoma

Yale School of Public Health

Hometown: Riverwoods, IL

Dr. Sophia Wang, Preceptor

Hormonal and Reproductive Epidemiology Branch

156. Matthew L Herman

Transglutaminase-1 gene Mutations in Autosomal Recessive Congenital Ichthyosis: An Update and a Report of 24 Novel Mutations

Washington University in St. Louis

Hometown: Washington, DC

Dr. Jorge Toro, Preceptor

Genetic Epidemiology Branch

157. Katherine C Lin

Thyroid Cancer Incidence and Drinking Water Nitrate Levels in Nebraska

Johns Hopkins University

Hometown: Baltimore, MD

Dr. Mary H. Ward,

Dr. Sonya Heltshe, Preceptors

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158. Jacqueline Major

Insulin-like growth factor (IGF)-I, IGF-binding protein-3, and risk of liver/biliary cancer

University of California, San Diego

Hometown: San Diego, CA

Dr. Demetrius Albanes, Preceptor

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159. Christina M McIntosh

Secular and Age-Related Racial Variations in the American Cancer Society's Top Ten Leading Cancers

Spelman College

Hometown: Atlanta, GA

Dr. William F. Anderson,

Dr. Philip S. Rosenberg, Preceptors

Biostatistics Branch

160. Allison Meisner

Genetic Association of Genes in the Oxidative Damage and Lipid Peroxidation Pathway and Risk of Renal Cancer in the Central European Renal Cancer Case-Control Study

University of Connecticut

Hometown: Glastonbury, CT

Dr. Philip S. Rosenberg, Preceptor

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161. Hiren Mistry

Core Genotyping Facility: Technology Enables Genome-Wide Association Studies (GWAS)

Richard Montgomery High School

Hometown: Gaithersburg, MD

Ms. Amy Hutchinson, Preceptor

Human Genetics Program

162. Julia T Molony

Risks of Gastrointestinal Cancer in First-Cancer Survivors

University of Minnesota

Hometown: Washington, DC

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Radiation Epidemiology Branch

163. Jessica L Rinsky

VHL gene mutation and promoter methylation in a large, histologically confirmed clear-cell RCC case series from Central and Eastern Europe

University of Kentucky

Hometown: Cincinnati, OH

Dr. Lee E. Moore, Preceptor

Occupational and Environmental Epidemiology Branch

164. Jamie D Ritchey

Epidemiologic Characteristics in West African Men

University of South Carolina

Hometown: Bethesda, MD

Dr. Ann W. Hsing, Preceptor

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165. Anushi Shah

Epstein-Barr Virus genome levels in blood and saliva in individuals at high or low risk for Burkitt lymphoma

Syracuse University

Hometown: Guttenberg, NJ

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166. Julia Tse

Secular and Age-Related Gender Variations in the American Cancer Society's Top Ten Leading Cancers

Dartmouth College

Hometown: Brooklyn, NY
Dr. William F. Anderson, Preceptor
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167. Sarah M Weinstein

Abnormalities in Eye Measures for Patients with Inherited Bone Marrow Failure Syndromes

University at Buffalo School of Medicine
Hometown: Wassaic,, NY
Dr. Giri Neelam, Preceptor
Clinical Genetics Branch

168. Sara M Wichner

Tumors More Common in Women than Men

University of Chicago
Hometown: New Carlisle, OH
Dr. Peter Inskip, Preceptor
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National Center for Complementary and Alternative Medicine (NCCAM)

169. Andrea Bankoski

A Retrospective Study of Acupuncture at the NIH from 2000 to 2008

George Mason University
Hometown: Bethesda, MD
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Office of the Scientific Director for Clinical Research

170. Nadelle Hamby

The Miracle Tree: Moringa oleifera extracts modulate PSA and Testosterone expression in DHEA + TGF β -1 - treated cocultures of prostate cancer cells

University of California, San Diego
Hometown: La Jolla, CA
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Laboratory of Clinical Investigation

171. Christine Lin

The Miracle Tree: Moringa oleifera Extract May Alter PSA Gene Expression in Prostate Cancer Epithelial Cells.

George Washington University School of Medicine
Hometown: Washington, DC
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Laboratory of Clinical Investigation

National Eye Institute (NEI)

172. Saam A Aghevli

Animal Models in Vision Research

Sidwell Friends School

Hometown: Bethesda, MD
Dr. Robert H. Weichbrod, Preceptor
Veterinary Research and Resources Section

173. Jessie M Alperin

Analysis of the promoter of rod differentiation factor NRL
University of Michigan
Hometown: Farmington Hills, MI
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Neurobiology Neurodegeneration & Repair Laboratory

174. Matilde P Arroyo

Specimen Processing at the NEI Histology Core
University of Tennessee
Hometown: Gaithersburg, MD
Dr. Chi-Chao Chan, Preceptor
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175. Megan S Casady

Nuclear Factor-Kappa B Activation in Retinal Pigment Epithelial Cells After Avastin Treatment
Virginia Tech
Hometown: Silver Spring, MD
Dr. Baoying Liu,
Dr. Robert Nussenblatt, Preceptors
Laboratory of Immunology

176. Shivali S Choxi

Identification of Structural Determinants on PEDF-R Responsible for Binding PEDF
Sherwood High School
Hometown: Sandy Spring, MD
Dr. Patricia Becerra,
Dr. Silvia Locatelli-Hoops, Preceptors
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177. Bryan P Covert

The Role of the Innate Immune Response in the Development of EAU
Medical College of Georgia
Hometown: Augusta, GA
Dr. Anna M. Hansen,
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178. Aaron R Ducoffe

Evaluation of the Candidate Genes for Mouse Models of Retinal Degeneration rpea1 and rpea2
University of Michigan
Hometown: Atlanta, GA
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Dr. James S. Friedman, Preceptors
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179. Nicholas Gomez

Unlocking Eye Differentiation: Could Pax6, Rx, or Six3 be the Key?

University of Washington

Hometown: Boise, ID

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180. Sara Moghaddam-Taaheri

Effects of Polyunsaturated Fatty Acids in Laser-Induced Choroidal Neovascularization

University of Maryland

Hometown: Silver Spring, MD

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181. Quang Nguyen

Epigenetic Analysis - Comparison of Bisulfite Sequencing PCR vs. Methylation Specific PCR in Human IL-10

University of Virginia

Hometown: Springfield, VA

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182. Matthew J Rapp

Effects of Pigment Epithelium-derived Factor (PEDF) on Retinal Cells in Culture

Northwest High School

Hometown: Bethesda, MD

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Dr. Preeti Subramanian, Preceptors

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183. Ryan C Riddick

siRNA knock down of the human 7-dehydrocholesterol reductase (DHCR7) gene. An in vitro model for the photooxidation of 7-dehydrocholesterol.

St. Anselm's Abbey School

Hometown: Silver Spring, MD

Dr. Ignacio Rodriguez,

Dr. Jung Wha Lee, Preceptors

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184. Jonathan L Sanchez

Overexpression and inhibition of the human 7-dehydrocholesterol reductase gene (DHCR7) in ARPE19 cells

Arizona State University

Hometown: Yuma, AZ

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185. Natan E Seidel

Functional Impairment Related to Vision in the United States

University of North Carolina

Hometown: Washington, DC

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186. Ankita B Shah

Notch signaling in FGF induced lens epithelial cell differentiation

University of California, Davis

Hometown: Fremont, CA

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187. Carolyn M Stolfi

Evaluation of Candidate Genes for the Mouse Retinal Degeneration Mutant rd15

Lafayette College

Hometown: Washington, DC

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188. Mounica Vallurupalli

Purification of Rhodopsin Promoter Binding Transcription Complexes

University of Michigan

Hometown: Ann Arbor, MI

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Dr. Jacob Nellissery, Preceptors

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189. Abitha William

Interferon-gamma acts as an Anti-Angiogenic Agent in the Human Cornea

University of Maryland

Hometown: North Potomac, MD

Dr. Chandra N. Nagineni,

Dr. John J. Hooks, Preceptors

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190. Mridula A William

Designing BAC fluorescent reporters for monitoring differentiation of retinal neurons from Human Embryonic Stem Cells

UMDNJ - Robert Wood Johnson Medical School

Hometown: Somerset, NJ

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National Heart, Lung, and Blood Institute (NHLBI)

191. Pratik Agarwal

Effects of Preconditioning on Mitochondrial Signaling

Thomas S. Wootton High School

Hometown: Gaithersburg, MD

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Pulmonary and Vascular Medicine Branch

192. Nazia Alvi

Whole Blood treated with free 5A peptide and 5A reconstituted with POPC

University of Illinois

Hometown: Orland Park, IL

Dr. Alan Remaley, Preceptor

Pulmonary and Vascular Medicine Branch

193. Melissa S Barber

The Progress in Infant Mortality due to Respiratory Distress Syndrome

University of Portland

Hometown: Brush Prairie, WA

Dr. Carol J. Blaisdell, Preceptor

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194. Mikhael Bekkerman

Expression of Sulfated Proteoglycans in the Injured Spinal Cord

University of Maryland, Baltimore County

Hometown: Baltimore, MD

Dr. Herbert M. Geller,

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Developmental Neurobiology Section

195. Eileen Y Charneco

Environmental Approaches to promote healthier lifestyles: A review

University of Puerto Rico, Medical Sciences Campus

Hometown: Bethesda, MD

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196. Ari B Cohen

Functional analysis of transcription factor binding sites as candidate regulators of cell type-specific gene expression in the Drosophila embryonic mesoderm

Ursinus College

Hometown: Potomac, MD

Dr. Alan Michelson, Preceptor

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197. Nicole Constantz

Characterization of an integral membrane protein: A Study of protein-protein interaction

University of California, San Diego

Hometown: Portola Valley, CA

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Laboratory of Cell Biology

198. Melinda A Eshelman

*Role of Myosin II in Growth Cone Turning at the Boundary With Chondroitin Sulfate
Proteoglycans*

Vanderbilt University
Hometown: Elmhurst, IL
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Dr. Lizzie Santiago, Preceptors
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199. Samuel E Franks

Chondroitin Sulfate Proteoglycans Regulate Axonal Guidance

Louisiana State University
Hometown: Bethesda, MD
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200. Hezhi Gan

*Impact of Culture at Physiologic or Atmospheric Oxygen Conditions on Hematopoietic
Stem Cell Properties*

Roosevelt High School
Hometown: Honolulu, HI
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201. Alice He

Effects of a JAK2 inhibitor on regulation transcription factors in CML patients

Thomas S. Wootton High School
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Ms. Rhoda Eniafe,
Dr. John Barrett, Preceptors
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202. Jose A Herrera

Clathrin Independent Endocytosis in Human Fibroblasts

University of Texas at Brownsville
Hometown: Brownsville, TX
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203. Michael Hsu

Aconitase in liver homogenates from sickle cell mice challenged with hypoxia

Montgomery Blair High School
Hometown: Bethesda, MD
Dr. Sruti Shiva, Preceptor
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204. Dalton N Hughes

Characterization of GCN-1 and its Interaction with Polycystin-2

Suncoast Community High School

Hometown: Bethesda, MD

Dr. Martin P. Playford,

Dr. Sharon L. Milgram, Preceptors

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205. Jennifer Y Isaacs

An investigation for an antibody-mediated etiology to neutropenia associated with vancomycin therapy.

Allen High School

Hometown: Bethesda, MD

Dr. Richard W. Childs,

Dr. Aleah Smith, Preceptors

Hematology Branch

206. Ansh Johri

Development of a Semi-Automated Method to Measure Pneumonia Severity in Mice through Computed Tomography (CT) Scan Analysis

Montgomery Blair High School

Hometown: Rockville, MD

Dr. Lewis Hsu, Preceptor

Animal MRI/Imaging

207. Claire T Kenney

Characterization of the effect of human erythrocyte band 3 on the hemoglobin-catalyzed synthesis of nitric oxide

Johns Hopkins University

Hometown: Cleveland, OH

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Dr. Mauro Tiso, Preceptors

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208. Sarah P Kramer

Neural Tissue Engineering: Characterization of Three Dimensional Astrocyte Cultures

Columbia University School of Engineering & Applied Science

Hometown: Washington, DC

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209. Congyu Li

Construction and Expression of Nonpolymerizable Dictyostelium Actin for NMR Studies

University of Maryland

Hometown: Germantown, MD

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Dr. Shi Shu, Preceptors

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210. Ming Y Li

Dexamethasone inhibits Antigen induced degranulation via inhibition of Protein Kinase C translocation in mast cells.

Washington University in St. Louis
Hometown: Nottingham, MD
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211. Siqing Liu

Replacement of Nonmuscle Myosin IIA with IIC in Knock-In Mice

Montgomery Blair High School
Hometown: Germantown, MD
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212. Natasha I Nanton

Regulation of fatty- acid induced Hepatocyte Insulin Resistance by Mitochondrial Sirtuins

Palm Beach Gardens High School
Hometown: Gaithersburg, MD
Dr. Michael N. Sack, Preceptor
Translational Medicine Branch

213. Blanca L Paccha

The Interaction of the Cystic Fibrosis Chloride Channel CFTR and the Actin-binding Protein Filamin

College of New Rochelle
Hometown: Norwalk, CT
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214. Rafael A Ricaurte

Effects of GPR30 activation on myocardial infarct size and signaling

Regis High School
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215. Ashley F Stein

Simultaneous Myocardial Strain and Perfusion Assessment in Cardiac Patients

University of Pennsylvania
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216. Thomas L Tee

Feasibility of dual utilization of fluoroscope and magnetic resonance imaging for the interventional cardiology group

Sunset High School
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217. Laura Thomason

Linking Metabolic Pathways with Circadian Rhythms

University of Virginia
Hometown: Lexington, KY
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Laboratory of Biochemistry

218. Claire N Tolbert

p21cip1 modulates the differential infiltration of "inflammatory" and "repair" macrophages after arterial injury.

St. Mary's College of Maryland
Hometown: Columbia, MD
Dr. Manfred Boehm,
Dr. Jason Kovacic, Preceptors
Cardiovascular Branch

219. Stephen Wagner

Effect of Corticosteroid Treatment on Alternatively Activated Macrophages in a Murine Model of Allergic Asthma

Pennsylvania State University
Hometown: Hershey, PA
Dr. Stewart Levine, Preceptor
Pulmonary and Vascular Medicine Branch

220. Elizabeth A Wong

Interleukin 21-Induced Gene Expression in CD4+ T Cells

Stanford University
Hometown: Modesto, CA
Dr. Warren J. Leonard, Preceptor
Laboratory of Molecular Immunology

221. Rachel L Wong

Characterization of Antibodies for Detecting Protein Adducts of the Reactive and Hepatotoxic Metabolite of Acetaminophen (Tylenol (R))

Charles E. Smith Jewish Day School
Hometown: Potomac, MD
Dr. Lance R. Pohl,
Dr. Pauline M. Ryan, Preceptors
Laboratory of Molecular Immunology

222. Helen Zhang

In vitro expansion of regulatory T cells

Thomas Jefferson High School for Science and Technology
Hometown: Herndon, VA
Dr. Muhammad Mohiuddin, Preceptor
Cardiothoracic Surgery Research

223. Xuemin Zhang

Localization of NMHC II is Determined by Tail in Vivo

Paint Branch High School
Hometown: Burtonsville, MD

Dr. Robert S. Adelstein,
Dr. Aibing Wang, Preceptors
Laboratory of Molecular Cardiology

224. Sherry Zhou

The Role of Perforin in Mouse Models of Immune Mediated Bone Marrow Failure
University of Pennsylvania
Hometown: Mt. Pleasant, SC
Dr. Jichun Chen, Preceptor
Hematology Branch

National Human Genome Research Institute (NHGRI)

225. Eran A Barnoy

Mutational screening of regulatory regions flanking GBA in patients with Gaucher disease
University of Maryland
Hometown: Rockville, MD
Dr. Ellen Sidransky, Preceptor
Medical Genetics Branch

226. Anthony J Burnett

Immunofluorescence Analysis of Proteins at the Mitotic Spindle
University of Maryland
Hometown: Derwood, MD
Dr. Debra Silver,
Dr. William Pavan, Preceptors
Genetic Disease Research Branch

227. Kevin H Chen

The Characterization of a Zebrafish Myeloid Mutant Identified from an ENU Mutagenesis Screen
Georgetown Preparatory School
Hometown: Potomac, MD
Dr. Milton A. English, Preceptor
Genetics and Molecular Biology Branch

228. Keianna Dixon

Physicians' Attitudes about the Relationship Between Genetics and Health Disparities
Columbia University
Hometown: Greenbelt, MD
Mr. Vence Bonham, Preceptor
Social and Behavioral Research Branch

229. Janice E Dorbu

Comparison Between IL17A and IL17F Promoters
Emory University
Hometown: Montgomery Village, MD
Dr. Pamela Schwartzberg, Preceptor
Genetic Disease Research Branch

230. Bryant M England

Comparison between Type I & Type II Endometrial Cancer: CDC4 Resequencing

Ball State University

Hometown: Gaithersburg, MD

Dr. Daphne W. Bell, Preceptor

Cancer Genetics Branch

231. Christopher M Epps

The role of MEN1 in angiogenesis

University of Maryland Eastern Shore

Hometown: Burtonsville, MD

Dr. Settara Chandrasekharappa,

Ms. Sukhbir Kaur, Preceptors

Genome Technology Branch

232. James E Fichtelman

Cellular Phenotypes in Chediak Higashi Syndrome

Vero Beach Senior High School

Hometown: Vero Beach, FL

Dr. William Gahl,

Dr. Wendy Westbroek, Preceptors

Genetic Disease Research Branch

233. Abbie M Frederick

Chromatin Mapping in Mouse and Human Kcnn4, the Gardos Channel

Colby College

Hometown: North Attleboro, MA

Dr. David Bodine, Preceptor

Genetics and Molecular Biology Branch

234. Susannah A Green

Expectations and Motivations: Participating in a Whole Genome Sequencing Study as Part of the ClinSeq Experience

Walter Johnson High School

Hometown: Bethesda, MD

Ms. Barbara B. Biesecker, Preceptor

Social and Behavioral Research Branch

235. George E Gulotta

Analysis of Frizzled Expression in Enriched Populations of Hematopoietic Stem Cells

University of Chicago

Hometown: New Orleans, LA

Dr. David Bodine, Preceptor

Genetics and Molecular Biology Branch

236. ShaDonna D Jackson

Cascade of relative referral to a family-based psychosocial genetics research study among African American patients with lung cancer

Prince George's Community College

Hometown: Seat Pleasant, MD

Dr. Della White,

Dr. Colleen McBride, Preceptors
Social and Behavioral Research Branch

237. Kirti J Johal

Effects of pharmacological induction of heat shock proteins on glucocerebrosidase activity

Duke University
Hometown: Fairfax, VA
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Medical Genetics Branch

238. Gieira S Jones

A New Retroviral Vector for Gene Therapy of Wiskott- Aldrich Syndrome

Elizabeth City State University
Hometown: Philadelphia, PA
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Genetics and Molecular Biology Branch

239. Roli Mandhana

Identification of cis-regulatory elements of the epidermal differentiation complex (EDC) locus

Massachusetts Institute of Technology
Hometown: Munster, IN
Dr. Cristina D. Strong, Preceptor
Genetics and Molecular Biology Branch

240. Kathryn C Meehan

Expression of CBFB-MYH11 Target Genes in the Human Acute Myeloid Leukemia Cell Line, ME-1

National Cathedral School
Hometown: Washington, DC
Dr. Kate Hyde,
Dr. Paul Liu, Preceptors
Genetics and Molecular Biology Branch

241. Raymond S Mullen

Characterization of Zuma, a new ENU induced mouse mutant

University of Maryland College Park at Shady Grove
Hometown: Gaithersburg, MD
Dr. Dawn Watkins-Chow,
Dr. Bill Pavan, Preceptors
Genetic Disease Research Branch

242. Valeriya V Nam

The siRNA knockdown strategy to study genomic instability

Thomas S. Wootton High School
Hometown: North Potomac, MD
Dr. Kyungjae Myung, Preceptor
Genetics and Molecular Biology Branch

243. Pavan Nataraj

Development of gene transfer system for Wiskott-Aldrich syndrome using Foamy virus vectors

Winston Churchill High School

Hometown: Potomac, MD

Dr. Fabio Candotti,

Dr. Toru Uchiyama, Preceptors

Genetics and Molecular Biology Branch

244. Jennifer Nguyen

Characterization of Runx1 Truncation Mutation in Zebrafish by in-situ hybridization of Hematopoietic Markers

Clarksburg High School

Hometown: Clarksburg, MD

Dr. Raman Sood,

Dr. Paul Liu, Preceptors

Genetics and Molecular Biology Branch

245. Marissa C Niemeyer

Analyzing Online Communities: Perceptions of Genetics on Weight Loss Message Boards

College of William and Mary

Hometown: Vienna, VA

Dr. Susan Persky, Preceptor

Social and Behavioral Research Branch

246. Juleigh M Nowinski

Exploring the Policy Implications of Genomics Research on the Understanding of Race, Ethnicity, Health, and Disease

University of Illinois at Chicago College of Medicine

Hometown: Chicago, IL

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247. Praveen Pendem

Defective Inhibition Of B Cells Proliferation By Wiskott-Aldrich Syndrome Protein Deficient T Regulatory Cells In Mice

Chantilly High School

Hometown: Chantilly, VA

Dr. Fabio Candotti,

Dr. Marsilio Adriani, Preceptors

Genetics and Molecular Biology Branch

248. Christelle D Samen

Tissue Expression Levels of Methylmalonyl-CoA Mutase Following AAV8 Mediated Delivery

University of Maryland, Baltimore County

Hometown: Potomac, MD

Dr. Charles Venditti,

Mr. Randy Chandler, Preceptors

Genetic Disease Research Branch

249. Stephanie Shao

Sequence analyses reveal insertion containing a growth factor in dogs with chondrodysplasia

Colgate University

Hometown: Washington, DC

Dr. Heidi Parker, Preceptor

Cancer Genetics Branch

250. Aaron R Slan

Identification and functional characterization of polymorphisms in the 3'-untranslated region of dopaminergic genes and their role in genetic susceptibility to attention deficit/hyperactivity disorder

Georgetown Day School

Hometown: Potomac, MD

Dr. Maximilian Muenke,

Dr. Jens Wendland, Preceptors

Medical Genetics Branch

251. Rebecca Slotkin

Effect of SOX10 Mutations on Expression and Cellular Localization

Maret School

Hometown: Washington, DC

Dr. Stacie Loftus,

Ms. Denise Larson, Preceptors

Genetic Disease Research Branch

252. Rachita Sood

An in vitro System for Evaluation of a Lentiviral Vector for Gene Therapy of ADA-SCID

Montgomery Blair High School

Hometown: Rockville, MD

Dr. Robert A. Sokolic,

Dr. Fabio Candotti, Preceptors

Genetics and Molecular Biology Branch

253. Shelun Tsai

Nuclear Dynamics of hELG1 in DNA Replication and Repair

Clarkstown High School North

Hometown: New City, NY

Dr. Kyungjae Myung, Preceptor

Genetics and Molecular Biology Branch

254. Teresa L Urban

Phenotypic Analysis of Siblings with Gaucher Disease

University of Pennsylvania

Hometown: Montgomery Village, MD

Dr. Ellen Sidransky, Preceptor

Medical Genetics Branch

255. Amy Werner-Allen

Identification and Characterization of Enhancer Regions using Solexa Data

Yale University

Hometown: Rochester Hills, MI

Dr. Elliott Margulies, Preceptor

Genome Technology Branch

National Institute of Allergy and Infectious Diseases (NIAID)

256. Valerie T Chan

Preparation of SQ-109 and a Radiolabeled Carbapenem for Mechanism of Action

Studies in Mycobacterium tuberculosis

University of California, Berkeley

Hometown: Fremont, CA

Dr. David Kastrinsky,

Dr. Clifton Barry, Preceptors

Laboratory of Clinical Infectious Diseases

257. Richard J Chung

Reactive Oxygen Species - Mediated Cell Signaling in Stimulated T-Cells

Georgia Institute of Technology

Hometown: Woodstock, GA

Dr. Thomas Leto,

Dr. Jaeyul Kwon, Preceptors

Laboratory of Host Defenses

258. Francis Deng

Enhanced Function of the Chemokine Receptor CXCR4 in WHIM Syndrome

Thomas Jefferson High School for Science and Technology

Hometown: Oakton, VA

Dr. David H. McDermott,

Dr. Philip M. Murphy, Preceptors

Laboratory of Molecular Immunology

259. Nisha Deolalikar

HIV Nef Modulates Expression & Functionality of Some Chemokine Receptors

Poly High School

Hometown: Riverside, CA

Dr. S. Venkatesan,

Ms. Victoria N. Moore, Preceptors

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260. Joel A Finbloom

A Comparison of Tumor Cell Killing by Interferon-activated Monocytes on Human Tumor Cells in vitro

Charles E. Smith Jewish Day School

Hometown: Bethesda, MD

Dr. Kathryn C. Zoon, Preceptor

Cytokine Biology Section

261. Allison M Gionta

Isolation and Analysis of Human IgGs Specific for Blood-Stage Malaria Antigens Using Immunochemical Techniques

Washington and Lee University

Hometown: Watchung, NJ

Dr. Carole A. Long, Preceptor

Laboratory of Malaria and Vector Research

262. R. Reid Harvey

Measuring Intrahepatic Multifunctional CD4+ T Lymphocytes in Mice with Vaccine-Mediated Protection against Plasmodium yoelii Malaria

University of Tennessee College of Veterinary Medicine

Hometown: Knoxville, TN

Dr. Carole A. Long,

Dr. R. Mark Simpson, Preceptors

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263. Caraline L Higgins

Examination of the function of the P and V proteins of human parainfluenza virus type 2 by introduction of mutations into separated P and V genes using reverse genetics

Colgate University

Hometown: Rochester, NY

Dr. Brian R. Murphy,

Dr. Anne S. Nutt, Preceptors

Laboratory of Infectious Diseases

264. Leyla Isik

The Role of Lysosome Sugar Transporter Spinster in Autophagy

Johns Hopkins University

Hometown: Baltimore, MD

Dr. Li Yu, Preceptor

Laboratory of Immunology

265. Diana L Jeang

Live Imaging Analysis of Physical Interaction Between HIV-1 Nef and HLA-I

Montgomery Blair High School

Hometown: Rockville, MD

Dr. Sundararajan Venkatesan, Preceptor

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266. Qiushuang Jin

Functional Analysis of Polymorphism in FPR1 and FPRL1

West High School

Hometown: Iowa City, IA

Dr. Jiliang Gao,

Dr. Philip M. Murphy, Preceptors

Laboratory of Molecular Immunology

267. Sunaina Kapoor

Regulation of MHC Class II Molecules during Leishmania Infection

Thomas Jefferson High School for Science and Technology

Hometown: Great Falls, VA

Dr. Rajat Varma, Preceptor

Laboratory of Cellular and Molecular Immunology

268. Mary Anne R Kidwell

Stability Study of the Malaria Vaccine AMA1-C1/ISA720

University of Virginia

Hometown: Alexandria, VA

Ms. Daming Zhu, Preceptor

Malaria Vaccine Development Branch

269. Rachel D Kutten

Transgene Expression in Plasmodium falciparum

Gaithersburg High School

Hometown: Montgomery Village, MD

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270. Grace A Maldarelli

Lymphangiogenesis and lymphatic filariasis: Role of angiogenic factors and circulating endothelial cells

Johns Hopkins University

Hometown: Bethesda, MD

Dr. Sasisekhar Bennuru,

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271. Robin H Miller

Diversity of Toxoplasma gondii and other Tissue-dwelling coccidia in California birds

George Washington University

Hometown: Poolesville, MD

Dr. Michael E. Grigg, Preceptor

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272. Tarsilla S Moura

Risks of Enlarged Spleens and Splenectomy in ALPS Patients

Northwest High School

Hometown: Germantown, MD

Dr. Vemulkonda K. Rao, Preceptor

Laboratory of Clinical Infectious Diseases

273. Samuel Myerowitz-Vanderhoek

Comparing the Efficacy and Immunogenicity of Recombinant Glycoprotein D and Replication-Defective Vaccines in Herpes Simplex Virus 1 Seropositive Guinea Pigs

Mount Sinai School of Medicine

Hometown: Bethesda, MD

Dr. Yo Hoshino,

Dr. Jeffrey I. Cohen, Preceptors

Laboratory of Clinical Infectious Diseases

274. Yoriko M Nakamura

Study of the Immunological Control of Tuberculosis in HIV Infection

Cornell University

Hometown: McLean, VA

Dr. Marta Catalfamo, Preceptor

Laboratory of Immunoregulation

275. Nisha Narula

NADPH Oxidase-4: A Potential Player in Hepatic Oxidative Stress and Liver Disease

Brown University

Hometown: Tenafly, NJ

Dr. Thomas Leto,

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276. Stanley I Okoro

Expression and Function of RGS Protein in Immune Cells

Garland High School

Hometown: Rowlett, TX

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Laboratory of Allergic Diseases

277. Erika S Phelps

Using Genetic Analysis to Investigate Drug Resistance in Malaria Parasites

Earlham College

Hometown: Maryville, TN

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278. Nina Y Ren

The adaptor protein CIKS mediates IL-25 cytokine-induced airway inflammation

Rutgers, The State University of New Jersey

Hometown: North Potomac, MD

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279. Jaishri Shankar

Crystal Structure of the TIR Domain of MyD88

Rockville High School

Hometown: Rockville, MD

Dr. Tsan Xiao,

Dr. Greg Snyder, Preceptors

Laboratory of Immunology

280. Aditi Sharma

The molecular cloning of Inflammasome adaptor protein ASC

Hillsborough High School

Hometown: Lutz, FL

Dr. Tsan Xiao, Preceptor
Laboratory of Immunology

281. Parteek Singla

Flow Cytometric V-Beta Repertoire Analysis of HIV-Specific CD8+ T Cells in HIV+ Long-Term Nonprogressors and Patients with Progressive Infection

East Carolina University
Hometown: Bethesda, MD
Dr. Stephen Migueles,
Dr. Mark Connors, Preceptors
Laboratory of Immunoregulation

282. Joanna K Timmer, Christina Parker

Characterization of $\alpha 4\beta 7$ & $\alpha 4\beta 1$ CD4+ CD25+ Regulatory T cells (Treg): Effects of Interaction with HIV Envelope

Ohio State University
Walter Payton College Prep High School
Hometown: North Bethesda, MD
Chicago, IL
Dr. Audrey Kinter, Preceptor
Laboratory of Immunoregulation

283. Midori A Uehara

The Dependence of Autoantibodies on TLR7

Stanford University
Hometown: Larchmont, NY
Dr. Jonathan Deane, Preceptor
Laboratory of Immunogenetics

284. Eileen Wang

Expression, Purification, and Characterization of Mouse Chemokine CCL25, CCL28, CXCL14, CXCL11

Cornell University
Hometown: Potomac, MD
Dr. Peter Sun, Preceptor
Laboratory of Immunogenetics

285. Terea R Williams, Simon Ho

Analysis of Serum Proteins of the Chimpanzee infected by Kawasaki Disease

Springbrook High School
Thomas Jefferson High School for Science and Technology
Hometown: Fort Washington, MD
Rockville, MD
Dr. Ming Zhao, Preceptor
Research Technologies Branch

**National Institute of Allergy and Infectious Diseases-Vaccine Research Center
(NIAID-VRC)**

286. Julie K Cheng

PSF is an Ad-fiber Binding Protein, Confirmed by Affinity Proteomics

Richard Montgomery High School

Hometown: Rockville, MD

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Vaccine Production Program

287. Kizzmekia S Corbett

*Papillomavirus-Based Vaginal Delivery of DNA Vaccine Plasmids Expressing
Respiratory Syncytial Virus Antigens*

University of Maryland, Baltimore County

Hometown: Hillsborough, NC

Dr. Barney S. Graham,

Dr. Teresa Johnson, Preceptors

Viral Pathogenesis Laboratory

288. Sudil Mahendra

Antibody Correlates of Protection against Ebola Virus Infection in Nonhuman Primates

Illinois Wesleyan University

Hometown: Carol Stream, IL

Dr. Nancy J. Sullivan, Preceptor

Biodefense Research Section

289. Joshua O Marceau

Lymphocyte Trafficking in RSV Infected Mice

Pennsylvania State University

Hometown: State College, PA

Dr. Barney S. Graham,

Dr. Teresa Johnson, Preceptors

Viral Pathogenesis Laboratory

290. Alex C Vostal

*A Comparison of the Frequency and Functionality of Antigen-Specific CD4+ T Cells from
HIV-infected and uninfected individuals*

University of Rochester

Hometown: Kensington, MD

Dr. Joe Casazza, Preceptor

Human Immunology Section

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

291. Lizath M Aguiniga

Characterization of Calcium Channels in Wild Type and Fyn-deficient Mast Cells

University of Texas at El Paso

Hometown: El Paso, TX

Dr. Ana Olivera, Preceptor

Molecular Immunology and Inflammation Branch

292. Faite G Ahaghotu

A Clinical View of Autoinflammation: Hereditary Periodic Fever Syndromes

Richard Montgomery High School

Hometown: Rockville, MD

Ms. Beverly Barham, Preceptor

Office of the Clinical Director

293. Jeffrey M Blazar

The Influence of Wnt on Human Mesenchymal Stem Cells during Chondrogenesis

Gaithersburg High School

Hometown: Montgomery Village, MD

Dr. Hana Smith, Preceptor

Cartilage Biology and Orthopaedics Branch

294. Richard Booth

The Effect of Treatment with Microparticles Versus Nanoparticles on Osteogenic Differentiation in MSCs

University of Maryland

Hometown: Darnestown, MD

Dr. Wesley Jackson, Preceptor

Cartilage Biology and Orthopaedics Branch

295. Eduardo J Contijoch

Novel ASC Variant Exhibits Decreased Speck Formation

Princeton University

Hometown: Boca Raton, FL

Dr. Seth Masters, Preceptor

Genetics and Genomics Branch

296. Joseph G Dolan

Differentiated IL-18 Secretion in Autoinflammatory Patients

University of Wyoming

Hometown: North Bethesda, MD

Dr. Raphaela Goldbach-Mansky, Preceptor

Arthritis and Rheumatism Branch

297. Daniel K Estrada

Is Ure2p a Native Dimer in its Prion Fibril Form?

University of California, Los Angeles

Hometown: Sacramento, CA

Dr. Ulrich Baxa,

Dr. Alasdair C. Steven, Preceptors

Laboratory of Structural Biology Research

298. Jeremy S Greenfield

Improving methods of manipulation and interpretation of three-dimensional images in the software package Bsoft

Pulaski High School

Hometown: Green Bay, WI

Dr. Bernard Heymann, Preceptor

Laboratory of Structural Biology Research

299. Lauren R Knazze

The Cre-LoxP System

Seton Academy

Hometown: South Holland, IL

Dr. John J. O'Shea, Preceptor

Molecular Immunology and Inflammation Branch

300. Jonathan J Liang

Monitoring Genome-Wide Epigenetic Modification with High-Throughput Sequencing

Thomas S. Wootton High School

Hometown: North Potomac, MD

Dr. Lai Wei, Preceptor

Molecular Immunology and Inflammation Branch

301. Vanessa A Lukas

Glucosamine Antagonized IL1 beta Effects on Expression of MMPs but not Cytokines in Human Chondrocytes

Washington University in St. Louis

Hometown: Oakton, VA

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Cartilage Biology and Orthopaedics Branch

302. Alexander I Matsche

The ERK1/2 and ERK5 signaling pathways are positive regulators of adult human bone marrow-derived mesenchymal stem cell chondrogenesis

Gallaudet University

Hometown: Washington, DC

Dr. Brent Bobick, Preceptor

Cartilage Biology and Orthopaedics Branch

303. Jessica Mavadia

Implementing a New Algorithm to Align Dual Tilt Electron Tomographic Series in the Software Package Bsoft

New Jersey Institute of Technology

Hometown: Edison, NJ

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304. Shannon K O'Connor

Protecting against arthritis with physiologic loading and gene therapy

Johns Hopkins University

Hometown: Billings, MT

Dr. Juan Taboas,

Dr. Rocky Tuan, Preceptors

Cartilage Biology and Orthopaedics Branch

305. Jean H Suh

Effects of Inducible Dix3 Gene Knockout on Mouse Hair Follicle Development

Johns Hopkins University

Hometown: Alexandria, VA
Dr. Maria I. Morasso,
Dr. Joonsung Hwang, Preceptors
Developmental Skin Biology Unit

306. Daniel K Wells

Nephritis and the Risk of Acute Myocardial Infarction and Cerebrovascular Accident in Patients with Systemic Lupus Erythematosus

Carleton College
Hometown: Ashland, OR
Dr. Michael M. Ward, Preceptor
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307. Cassie M White

Cross-Talk Among Mesenchymal Stem Cells, Endothelial Cell Matrix, and Endothelial Cell-Secreted Microparticles Regulate the Vascular Environment.

Clemson University
Hometown: Lusby, MD
Mr. Thomas Lozito,
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308. William M Wooten

microRNA 214 effects on EzH2 promotion of proliferation of breast cancer cells

South Carolina State University
Hometown: Prince George, VA
Dr. Vittorio Sartorelli,
Dr. Assia Derfoul, Preceptors
Laboratory of Muscle Stem Cells and Gene Regulation

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

309. Simon Gewirtz

Digital Signal Processing of Cytochrome P450 Kinetic Data

Yeshiva of Greater Washington
Hometown: Silver Spring, MD
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Dr. Allen Markowitz, Preceptors
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310. Reed W McDonagh

Radiofluorination of (Aminostyryl)pyridinium Dyes for Cell Labeling

University of Notre Dame
Hometown: La Plata, MD
Dr. Dale O. Kiesewetter, Preceptor
Positron Emission Tomography (PET) Radiochemistry Group

311. Eric C Moy

Laser Induced Fluorescence and Up-Converting Crystals

Winston Churchill High School

Hometown: Potomac, MD

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Laboratory of Bioengineering and Physical Science

312. Ludovic G Vincent

Miniaturization of the LIPS assay: Towards a point-of-care device

University of Pennsylvania

Hometown: Encinitas, CA

Dr. Paul Smith,

Dr. Nicole Morgan, Preceptors

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National Institute of Dental and Craniofacial Research (NIDCR)

313. Kristina M Christoph

Inhibition of Matriptase by HAI-2 is Essential for Embryonic Development

Nova Southeastern University

Hometown: Fort Lauderdale, FL

Dr. Roman Szabo,

Dr. Thomas Bugge, Preceptors

Oral and Pharyngeal Cancer Branch

314. Michael C Hsu

Novel techniques in imaging Neurokinin-1 neurons (Substance P receptor)

Georgetown University School of Medicine

Hometown: Midlothian, VA

Dr. Andrew J. Mannes,

Dr. Michael J. Iadarola,

Dr. Brad Wood, Preceptors

Pain and Neurosensory Mechanisms Branch

315. Sharmeen R Husain

Characterization of TGF-Beta Knockout Mice for Cdk5 Kinase Activity

Col. Zadok Magruder High School

Hometown: Gaithersburg, MD

Ms. Anita P. Terse,

Dr. Ashok Kulkarni, Preceptors

Laboratory of Cell and Developmental Biology

316. Hubert J Park

Proteoglycans: Important Players in Tooth Development and Mineralization

Tufts School of Dental Medicine

Hometown: Cambridge, MA

Dr. Shigeki Suzuki,

Dr. Ashok Kulkarni, Preceptors

Laboratory of Cell and Developmental Biology

317. Sachin H Patel

On the Cytotoxicity and Biodistribution of Carbon Nanotubes in Mouse Models

Troy High School

Hometown: Anaheim, CA

Dr. Vyomesh Patel, Preceptor

Oral and Pharyngeal Cancer Branch

318. Amanda Tinsley

Characterization of the nucleic acid content in vesicles isolated from parotid saliva

University of Missouri

Hometown: Columbia, MO

Dr. Ilias Alevizos, Preceptor

Molecular Physiology and Therapeutics Branch

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

319. Juan P Aparicio

Identification of genes required for the curing of the S. cerevisiae [PSI] prion by excess HSP104.

University of Chicago

Hometown: Houston, TX

Dr. Daniel C. Masison,

Dr. Michael J. Reidy, Preceptors

Laboratory of Biochemistry and Genetics

320. Melissa Arroyo-Mendoza

Probing the Interactions between an Activator and the Specificity Subunit of RNA Polymerase

California State Polytechnic University, Pomona

Hometown: Chevy Chase, MD

Dr. Debbie Hinton, Preceptor

Laboratory of Molecular and Cellular Biology

321. Spencer H Bachow

GLUT4 trafficking and fusion visualized by fluorescent microscopy of plasma membrane lawns from rat adipocytes

University of Florida College of Medicine

Hometown: Gainesville, FL

Dr. Samuel W. Cushman, Preceptor

Diabetes Branch

322. David M Bennett

Comparison of insulin transcript and protein levels in human islet-derived precursor cells

Robert Wood Johnson Medical School

Hometown: Moorestown, NJ

Dr. Marvin C. Gershengorn,

Dr. Bruce M. Raaka, Preceptors

Clinical Endocrinology Branch

323. Ricardo J Carrero

Development of an assay to measure Ghrelin in plasma

Pontificia Universidad Catolica de Puerto Rico

Hometown: Rockville, MD

Mr. Ricardo J. Carrero,

Dr. Mary Walter, Preceptors

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324. Christine R Chang

Characterization of Adaptor Proteins of the Innate Immune Signaling Pathway

University of Texas at Austin

Hometown: Rockville, MD

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Laboratory of Molecular Biology

325. Diane Cheng

Characterization of Transgenic Mouse Lines of Hepatitis Viruses

Cornell University

Hometown: North Potomac, MD

Dr. Zhensheng Zhang, Preceptor

Liver Diseases Branch

326. Jeremiah Cheng

Laboratory parameters following reduced intensity allogeneic stem cell transplant for sickle cell disease

Woodbridge High School

Hometown: Irvine, CA

Dr. John F. Tisdale,

Dr. Matt M. Hsieh, Preceptors

Molecular and Clinical Hematology Branch

327. Serena P Chiang

In Vitro Characterization of Naturally Occurring Type-2 Deiodinase Polymorphism

Cornell University

Hometown: Bethesda, MD

Dr. Francesco Celi, Preceptor

Clinical Endocrinology Branch

328. Rebecca E Chung

Characterizing the Lipid Transport Complex at Inter-Organellar Junctions: The Central Role of Oxysterol Binding Proteins

Thomas Jefferson High School for Science and Technology

Hometown: Alexandria, VA

Dr. Will A. Prinz,

Dr. Tim A. Schulz, Preceptors

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329. Mary DeMino

Regulating Liver Regeneration Through the Immune System

University of Mary Washington

Hometown: Poolesville, MD

Dr. Theo Heller, Preceptor
Liver Diseases Branch

330. Stephen Dong

Characterization of Antiviral Responses in NK Cell Lines Following Treatment with Various Stimuli

University of Pennsylvania
Hometown: Bethesda, MD
Dr. Jake Liang,
Dr. Emmanuel Thomas, Preceptors
Liver Diseases Branch

331. Megan Dwyer

A genetic approach for identifying proteins that interact with Esp1/separase

Walt Whitman High School
Hometown: Bethesda, MD
Dr. Orna Cohen-Fix, Preceptor
Laboratory of Molecular and Cellular Biology

332. Leon Furchtgott

A Model of Liver Regeneration

Princeton University
Hometown: Chevy Chase, MD
Mr. Vipul Periwal, Preceptor
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333. Stephanie M Glass

Investigation of protein-protein interactions between an activator and RNA polymerase

University of North Carolina
Hometown: Alexandria, VA
Dr. Deborah Hinton,
Dr. Rick Bonocora, Preceptors
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334. Miriam E Godwin

Potential Effect of Dioxins on Mouse and Human Podocytes

Earlham College
Hometown: Bethesda, MD
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Dr. Hiroshi Kajiyama, Preceptors
Kidney Diseases Branch

335. David B Gootenberg

The Effect of cHS4 Insulator on Lentiviral Transduction

Harvard College
Hometown: Rockville, MD
Dr. John F. Tisdale,
Dr. Naoya Uchida, Preceptors
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336. Sherif F Halaweish

Role of ETS-1 Gene in Obesity
South Dakota State University
Hometown: Brookings, SD
Dr. Oksana Gavrilova, Preceptor
Diabetes Branch

337. Harding Hall

Hemoglobin Expression in K562 Cells with Elevated EpoR Expression
University of Maryland
Hometown: Rockville, MD
Dr. Constance T. Noguchi,
Ms. Heather M. Rogers, Preceptors
Molecular Medicine Branch

338. Julie D Hare

The Effect of SCL/Tal-1 Sense and Antisense on Hemoglobin Expression in Erythroid Progenitor Cells
Howard University College of Medicine
Hometown: Silver Spring, MD
Ms. Heather Rogers, Preceptor
Molecular Medicine Branch

339. Imani D Hodge

Discovering Urinary Exosomal Biomarkers via the Removal of High-Abundance Proteins
The Latin School of Chicago
Hometown: Chicago, IL
Dr. Robert Star, Preceptor
Kidney Diseases Branch

340. Larrica D Hubbard

Effect of Drug-Induced Hypothermia on UCP1 Expression of Brown Fat in Mice
Howard University
Hometown: Collierville, TN
Dr. Jurgen Schnermann,
Dr. Christoph Eisner, Preceptors
Kidney Diseases Branch

341. Teresa Joseph

Comparing Methods of Estimating Energy Expenditure in Typical Lifestyle Activities
University of Maryland
Hometown: Olney, MD
Dr. Kong Chen, Preceptor
Clinical Endocrinology Branch

342. Mudit K Kaushal

Characterization of low weight molecular ligands for the Human Thyroid Stimulating Hormone Receptor
Emory University
Hometown: Rockville, MD
Dr. Susanne Neumann, Preceptor

Clinical Endocrinology Branch

343. HeeSung S Kim

Pharmacologic Ascorbic Acid: Pro-oxidant Therapy for Disease Treatment

Thomas Jefferson High School for Science and Technology

Hometown: Centreville, VA

Dr. Mark Levine, Preceptor

Digestive Diseases Branch

344. Nathaniel T Kim

Synthesis of Carbohydrate Intermediates Directed Towards Agonists of the P2Y2 and P2Y14 Nucleotide Receptors

University of Maryland, Baltimore County

Hometown: Bowie, MD

Dr. Kenneth A. Jacobson, Preceptor

Laboratory of Bioorganic Chemistry

345. Christina N Lawson

Nitrite supplementation to improve nitric oxide bioavailability in mice

Howard University College of Medicine

Hometown: Silver Spring, MD

Dr. Lewis L. Hsu,

Dr. Constance T. Noguchi, Preceptors

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346. Jessica W Lee

The Effect of Receptor Mutations on Ubc9 Modification of Dose-Response Curves for Transactivation by Glucocorticoid Receptors

University of Pennsylvania

Hometown: Vienna, VA

Dr. S. S. Simons,

Dr. John Blackford, Preceptors

Clinical Endocrinology Branch

347. Adihe R Lokanga

Somatic Instability in Fragile X premutation mice

North Carolina State University

Hometown: Gaithersburg, MD

Dr. Karen Usdin, Preceptor

Laboratory of Molecular and Cellular Biology

348. Jared B Lucas

Bayesian Coarse-graining

Harvard College

Hometown: Bethesda, MD

Mr. Vipul Periwal, Preceptor

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349. Belinda V Miguel

Variation in FTO Affects Body Weight in Pima Indians

Arizona State University

Hometown: Phoenix, AZ
Dr. Leslie J. Baier, Preceptor
Phoenix Epidemiology and Clinical Research Branch

350. Damarise Navarro

Doublesex (DSX) Expression In Somatic Gonadal Cells
University of Washington
Hometown: Wapato, WA
Ms. Leonie Hempell, Preceptor
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351. Jessica Nesmith

Investigation of a gain-of-function APC-5 mutation that suppresses the embryonic lethality of an Anaphase Promoting Complex mutant
Muhlenberg College
Hometown: Gaithersburg, MD
Dr. Andy Golden, Preceptor
Laboratory of Biochemistry and Genetics

352. Katherine Ni

Identification of Proliferating Cells with Ki67 in Prostate of hGC-1 Knockout Mouse Model
Richard Montgomery High School
Hometown: North Potomac, MD
Dr. Griffin Rodgers, Preceptor
Molecular and Clinical Hematology Branch

353. Julieanna I Orczewska

Genome-Wide Approaches to Identify Susceptibility Genes for Type 2 Diabetes and Obesity
University of Alaska Fairbanks
Hometown: Palmer, AK
Dr. Leslie J. Baier, Preceptor
Phoenix Epidemiology and Clinical Research Branch

354. Hee Young Park

Modeling of Neural Growth Cone Dynamics in the Presence of Multiple Guidance Cues
Loma Linda University
Hometown: Loma Linda, CA
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355. Valerie A Pierre

The Identification of Human Host Proteins that Interact with Open Reading Frame 1 from the LINE-1 Retrotransposon
Xavier University of Louisiana
Hometown: Montgomery Village, MD
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356. Karthya G Potti

Gene Expression Profiling of Fetal Pancreatic Cells in Cdk4 Mutant Mice

Gaithersburg High School
Hometown: Gaithersburg, MD
Dr. So Yoon Kim,
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Diabetes Branch

357. Paul A Randazzo

Examining the Structure of Dynamin

Bullis School
Hometown: Potomac, MD
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358. Mary K Riley

Benefit of dietary sphingolipids on polyp formation in ApcMin/+ mice

York College of Pennsylvania
Hometown: Brookeville, MD
Dr. Richard L. Proia,
Dr. Mari Kono, Preceptors
Genetics of Development and Diseases Branch

359. Perisa Ruhi

The Effect of the Transforming Growth Factor-beta Family Member Myostatin on the Differentiation of Primary Brown Fat Cells

Thomas Jefferson High School for Science and Technology
Hometown: Springfield, VA
Dr. Alexandra C. McPherron, Preceptor
Genetics of Development and Diseases Branch

360. Shannon M Saltclah

Comparing Different Techniques to Measuring Insulin Resistance

Eastern New Mexico University
Hometown: Rockville, MD
Dr. Anne E. Sumner,
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361. Stephanie Saullo

Design of Two Isocaloric Diets, Selectively Restrictive in Fat or Carbohydrate

Framingham State College
Hometown: Alexandria, VA
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362. Sheona Z Sauna

Beta Cell Turnover in Non-human Primates

Thomas S. Wootton High School
Hometown: N. Potomac, MD
Dr. Shira Y. Perl, Preceptor

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363. Zahra N Sayyid

The Effect of Cripto on Myostatin Signaling

Thomas Jefferson High School for Science and Technology

Hometown: Fairfax, VA

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Genetics of Development and Diseases Branch

364. Karen L Sidransky

Noninvasive Detection of Kidney Disease Through the Analysis of Urinary Exosomal Biomarkers

Emory University

Hometown: Bethesda, MD

Dr. Robert Star, Preceptor

Kidney Diseases Branch

365. Claudia L Sotillo

K562 Cells Exposed to Erythropoietin or Hemin: Can We Increase Hemoglobin Expression?

University of Florida

Hometown: Rockville, MD

Dr. Constance T. Noguchi,

Ms. Heather M. Rogers, Preceptors

Molecular Medicine Branch

366. Brian R Stotter

Variation in mixed meal response by lean, overweight, and obese individuals

Brandeis University

Hometown: Westfield, NJ

Dr. Monica Skarulis,

Dr. Rana Malek, Preceptors

Clinical Endocrinology Branch

367. Linyao Sun

Regulation of Gastrointestinal Enteroendocrine Cell Differentiation

Richard Montgomery High School

Hometown: North Potomac, MD

Dr. Stephen Wank, Preceptor

Digestive Diseases Branch

368. LeAnn M Sutphin

Resolution of Type 2 Diabetes after Bariatric Surgery: Effects of Different Surgical Techniques

Skyline High School

Hometown: Front Royal, VA

Dr. Kristina I. Rother,

Dr. Radha Nandagopal, Preceptors

Clinical Endocrinology Branch

369. Delphia M Varadarajan

Correlation Between Dual Energy X-ray Absorptiometry and Bioelectrical Impedance Analysis in Determining the Amount of Body Fat: A Validation Study

Eleanor Roosevelt High School

Hometown: Adelphi, MD

Dr. Giovanni Cizza, Preceptor

Clinical Endocrinology Branch

370. Marielle C Young

Differential Protein Secretion in Growing and Developing Dictyostelium Cells

Sidwell Friends School

Hometown: Bethesda, MD

Mr. Alan Kimmel, Preceptor

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371. Joseph M Zischkau

AnthroGUI: Designing a Mobile Electronic Tool for Recording Anthropometric Measurements

The Heights School

Hometown: Washington, DC

Dr. Kong Chen, Preceptor

Clinical Endocrinology Branch

National Institute of Environmental Health Sciences (NIEHS)

372. Adam E Larkins

Chemokine Polymorphisms are Possible Susceptibility Factors for Myositis Patients Producing Selective Autoantibodies

Clemson University

Hometown: Inman, SC

Dr. Terry O'Hanlon, Preceptor

Office of Clinical Research, Environmental Autoimmunity Group

National Institute of Mental Health (NIMH)

373. Samantha Ahle

Sex and Ethnic Differences in Mental Health Service Patterns in Youth

George Washington University

Hometown: Bethesda, MD

Dr. Kathleen Merikangas, Preceptor

Mood and Anxiety Disorder Research Program

374. Leila J Ameli-Grillon

Motor Activity in Mood and Anxiety Disorders

College of Charleston

Hometown: Kensington, MD

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375. Madeleine F Cantrel

The Physiological Response to the Eyeblink Reflex as Measured by Skin Conductance

Connelly School of the Holy Child

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376. Rinal M Choksi

White Matter Hyperintensities and Migraine

Fairfax High School

Hometown: Bethesda, MD

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377. Prajna Chopra

Sleep Cycle and 5HTT Genotype

Rochester Institute Of Technology

Hometown: Gaithersburg, MD

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378. Jessica B Dodge

The trigeminal eyeblink reflex in migraine by frequency and subtype

Colgate University

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379. Nikki Duong

Circadian Rhythms of Heart Rate Variability

Sherwood High School

Hometown: Bethesda, MD

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380. Hannah B Epstein

Functioning in Families with a Bipolar Child

Swarthmore College

Hometown: Bethesda, MD

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Dr. Brendan Rich, Preceptors

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381. Tanya M Gerner

Classifying Functional Magnetic Resonance Imaging Data in an Autistic Population

Georgetown University

Hometown: Arlington, VA

Dr. Peter A. Bandettini,

Dr. Rasmus Birn, Preceptors

Laboratory of Brain and Cognition

382. Carol Gianessi

Stimulus timing induced plasticity of face perception

University of Pennsylvania

Hometown: Chevy Chase, MD

Dr. David McMahon, Preceptor

Laboratory of Brain and Cognition

383. Lucas R Glover

Effects of learning, running and stress on maturation of new neurons in the adult brain

Allegheny College

Hometown: Greenville, PA

Dr. Heather A. Cameron,

Dr. Jason S. Snyder, Preceptors

Unit on Neuroplasticity

384. Leanna M Gong

Investigation of Schizophrenia Risk Genes Using B Lymphoblasts

Montgomery Blair High School

Hometown: Rockville, MD

Dr. Yoshi Sei, Preceptor

Clinical Brain Disorders Branch

385. Charles R Guo

The effect of TNF-alpha on AMPA receptor subunit expression in hippocampal neurons

Thomas Jefferson High School for Science and Technology

Hometown: Vienna, VA

Dr. Rushaniya A. Khairova,

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386. Elizabeth M Halmon

High Prevalence of Posttraumatic Stress Disorder in African Americans

University of Tennessee

Hometown: Centreville, VA

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387. Alexandra M Harris

PC12 Cells Are a Model System for Identifying and Evaluating Anti-Apoptotic Proteins for Neuronal Gene Therapy

Abington Senior High School

Hometown: Gaithersburg, MD

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388. Jessica L Harris

Optimizing Vectors for Delivery of Anti-Apoptotic Proteins to Neuronal Cells

Abington Senior High School

Hometown: Willow Grove, PA

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Ms. Jill L. Russ, Preceptors

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389. Alexander J Hinnebusch

Correlation between Symptoms and Streptococcal Titers in Children with OCD

College of William and Mary

Hometown: Germantown, MD

Dr. Paul Grant, Preceptor

Pediatric and Developmental Neuropsychiatry Branch

390. Yasmin Kamal

Rare and common variants in NRXN1 (2p16.3) associated with childhood onset schizophrenia and autism spectrum disorder

Thomas Jefferson High School for Science and Technology

Hometown: Centreville, VA

Dr. Anjene Addington, Preceptor

Child Psychiatry Branch

391. Brian P Kennedy

1-Step Affinity Purification of the E. coli Ribosomal Small Subunit and It's Associated Proteins and rRNA

Colgate University

Hometown: Summit, NJ

Dr. Michael B. Strader, Preceptor

Laboratory of Neurotoxicology

392. Samhita S Kumar

The Effect of an Insertion Polymorphism in SLC6A1 on the Expression of SLC6A1 Transcripts in the Human Brain

Georgetown Day School

Hometown: Lorton, VA

Dr. Barbara K. Lipska,

Dr. Joel E. Kleinman, Preceptors

Clinical Brain Disorders Branch

393. Krystal W Lau

Gene Expression Profiling in the Frontal Cortex of Catechol-O-Methyl Transferase Gene Knockout Mouse Models for Schizophrenia

Foothill High School

Hometown: Dublin, CA

Dr. Jingshan Chen, Preceptor

Clinical Brain Disorders Branch

394. Eva Lerner

Expressed Emotion in Families of Children With Bipolar Disorder and Severe Mood Dysregulation

University of California, Davis

Hometown: Palo Alto, CA

Dr. Ellen Leibenluft,

Dr. Brendan Rich, Preceptors

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395. Laura J Li

Identification of Ancillary Factor in Gibbon Ape Leukemia Virus (GALV) Infection

University of Maryland

Hometown: Rockville, MD

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396. Jennifer Lung

Evaluation of Signaling Pathways after Psychiatric Drug Treatment in vivo

Dickinson College

Hometown: Chevy Chase, MD

Dr. Jing Du, Preceptor

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397. Sophia Magalona

Tolcapone Enhances Efficiency in Brain Regions Underlying Working Memory in Patients with Schizophrenia

Bucknell University

Hometown: Burke, VA

Dr. Venkata S. Mattay,

Dr. Roberta Rasetti, Preceptors

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398. Sheba M Mathew

Neurons requiring the alpha1u channel in Drosophila for larval phototaxis

Hudson High School

Hometown: Hudson, OH

Dr. David J. Sandstrom,

Dr. Howard A. Nash, Preceptors

Laboratory of Molecular Biology

399. Mary Agnes B McMahon

Genetic Effects on Dopaminergic Neurotransmission during Working Memory as Measured by fMRI

University of North Carolina

Hometown: Rockville, MD

Dr. Joseph H. Callicott, Preceptor

Clinical Brain Disorders Branch

400. Nicholas J Mei

A comparison of neuronal responses in monkey orbitofrontal cortex and amygdala during performance of a visually-cued reward schedule task

Duke University

Hometown: Lake Oswego, OR

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401. Neil Mendhiratta

Exploring Molecules of Resiliency in Rodent Models of Mood Disorders

University of Pennsylvania

Hometown: Darnestown, MD

Dr. Joshua Hunsberger, Preceptor
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402. Parisa Moghaddam-Taaheri

Determining the Topology of PiT2-K522E, a Gibbon Ape Leukemia Virus Receptor

Rockville High School

Hometown: Silver Spring, MD

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403. Katherine G Nabel

Brain-Derived Neurotrophic Factor Val66Met Polymorphism Differentially Affects

Regional Cerebral Blood Flow

National Cathedral School

Hometown: Washington, DC

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Ms. Shau-Ming Wei, Preceptors

Clinical Brain Disorders Branch

404. Emily R Newman

Development of a Robust Striatum-Activating fMRI Task for Imaging Genetics in Schizophrenia

Case Western Reserve University

Hometown: Rockville, MD

Dr. Caroline F. Zink, Preceptor

Clinical Brain Disorders Branch

405. Elena K Perry

Investigation of microRNA in Axons of Sympathetic Neurons

Richard Montgomery High School

Hometown: Bethesda, MD

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Mr. Anthony Gioio, Preceptors

Laboratory of Molecular Biology

406. Krishna D Reddy

Creating a dynamic webpage in order to effectively and accurately communicate laboratory information

FAU High School

Hometown: Boynton Beach, FL

Dr. Dietmar Plenz, Preceptor

Laboratory of System Neuroscience

407. John S Rich

Predicting Treatment Outcomes for Pediatric Anxiety Disorders using fMRI

Georgetown University School of Medicine

Hometown: Arlington, VA

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Dr. Monique Ernst, Preceptors

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408. Bennett B Rosenblatt

A Dopamine Type II Receptor Binding Assay for Measuring Neuroleptics in Postmortem Human Brain

St. Albans School

Hometown: Bethesda, MD

Dr. Joel E. Kleinman, Preceptor

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409. Sneha R Shah

Examination of the Neurotransmitters GABA and Dopamine in the VTA projection fibers in the Prefrontal Cortex

Thomas Jefferson High School for Science and Technology

Hometown: Herndon, VA

Dr. Kuan H. Wang, Preceptor

Genes, Cognition, and Psychosis Program

410. Beth A Stankevich

Modafinil modulates activity in brain regions underlying attentional control in healthy subjects

University of Michigan

Hometown: Washington, DC

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Clinical Brain Disorders Branch

411. Jelynn A Stinson

Strategies for Affinity-based Purification of Postsynaptic Densities

Wright State University

Hometown: Bellbrook, OH

Dr. Sanford P. Markey,

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Laboratory of Neurotoxicology

412. Troy A Sukhu

Do glucocorticoid receptor polymorphisms play a role in the sequelae of bacteria toxic shock?

University of Pennsylvania

Hometown: Silver Spring, MD

Dr. Esther M. Sternberg,

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Section on Neuroendocrine Immunology and Behavior

413. Tarangi D Sutaria

The Effects of Pubertal Testosterone on Hypothalamic-Pituitary-Adrenal Axis Function in Male Rhesus Macaques

Ohio State University

Hometown: Montgomery Village, MD

Dr. James T. Winslow, Preceptor

Primate Neurobiology Core Facility

414. Haruka C Swendsen

Comorbidity of Migraine and Cardiovascular Disorders

University of California, Merced
Hometown: Bethesda, MD
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415. Sandra T Truong

Head, Shoulders, Knees and Toes: Visual Representation of Body Parts in Human Cortex

University of California, Berkeley
Hometown: Berkeley, CA
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416. Seshagiri R Vakkalanka

Common CNV's Across Psychiatric Disorders

Richard Montgomery High School
Hometown: Germantown, MD
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Child Psychiatry Branch

417. Jennifer van Lunteren

Neurological Frontal Release Signs in Migraine and Mood Disorders

George Washington University
Hometown: Shaker Heights, OH
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418. Alex Wang

MiRNA135 Expression During Hippocampal Neuron Development

Centennial High School
Hometown: Ellicott City, MD
Mr. Marcelo Diaz Bustamante,
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419. Emily N Watts

Blood Chemistry: The Link between Migraine and Cardiovascular Risk

Centennial High School
Hometown: Ellicott City, MD
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420. Torin Yeager

Real-Time Analysis of Motor Control Using Magnetoencephalography

University of Pittsburgh
Hometown: Maple City, MI
Dr. Richard Coppola, Preceptor
Magnetoencephalography Core Facility

421. Kymberly D Young

Effect of cue valence on autobiographical memory recall in healthy subjects and MDD patients: A pilot study

American University

Hometown: Falls Church, VA

Dr. Wayne C. Drevets,

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422. Rachel T Young

A neural network model of monkeys' behavior in visually-cued reinforcement schedules

Virginia Tech

Hometown: Gaithersburg, MD

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Laboratory of Neuropsychology

423. Shiwei Zhou

Olfaction in Mood Disorders and Migraine

University of Michigan

Hometown: Clarksburg, MD

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National Institute of Neurological Disorders and Stroke (NINDS)

424. Mubdiul Ali Imtiaz

Filamin C mutations as a cause of myofibrillar myopathy

Cornell University

Hometown: Annandale, VA

Dr. Lev Goldfarb, Preceptor

Neurogenetics Branch

425. Sandhya R Arepalli

Finger Coordination during Dual Motor Tasks ... fMRI and MEG Studies

Thomas S. Wootton High School

Hometown: Rockville, MD

Dr. Cecile Gallea, Preceptor

Medical Neurology Branch

426. Caitlin E Askew

Effects of the compound B2 on the expanded polyglutamine androgen receptor in Kennedy's disease

Brigham Young University

Hometown: Draper, UT

Dr. Kenneth H. Fischbeck, Preceptor

Neurogenetics Branch

427. Brian S Baek

Regulation of axonal structure by Cdk5/p35 in Drosophila central brain

University of California, Irvine

Hometown: West Hills, CA

Dr. Edward Giniger,

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428. Alexis A Barton

Influence of Catecholamines on Synuclein Aggregation.

George Washington University

Hometown: Washington, DC

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Clinical Neurocardiology Section

429. David R Bates

Kinematic Analysis of Handwriting in Focal Hand Dystonia

University of Maryland

Hometown: College Park, MD

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Medical Neurology Branch

430. Oladi S Benthó

Development of Catecholamine Systems in Zebrafish

Howard University College of Medicine

Hometown: Mt. Rainier, MD

Dr. David S. Goldstein,

Ms. Courtney Holmes, Preceptors

Clinical Neurocardiology Section

431. Christina Bratlund

Feasibility of using neuromuscular stimulation to improve swallowing following chemo-radiation for head and neck cancer

James Madison University

Hometown: Takoma Park, MD

Dr. Christy Ludlow, Preceptor

Medical Neurology Branch

432. Allison J Brusati

Contraception and Clinical Trials - Reducing Risk Among Reproductive-Aged Women in the Intramural Program

Johns Hopkins University

Hometown: Baltimore, MD

Dr. Barbara Karp,

Dr. Pamela Stratton, Preceptors

Clinical Epilepsy Section

433. Youda Cao

Mapping the Interaction Domain of the Hereditary Spastic Paraplegia Proteins Atlastin (SPG3A) and Spastin (SPG4)

Swarthmore College

Hometown: Bethesda, MD

Dr. Craig Blackstone, Preceptor

Cellular Neurology Unit

434. Daniel A Caputy

The Implementation of Stereotactic Neurosurgery in the Intraoperative MRI

University of Alabama at Birmingham

Hometown: Great Falls, VA

Dr. John D. Heiss, Preceptor

Surgical Neurology Branch

435. Julie Chen

Effects of Bilateral Partial Dopamine Depletion on Laryngeal Sensorimotor Responses in Rats

Oberlin College

Hometown: Sunnyvale, CA

Dr. Christy Ludlow,

Dr. Xin Feng, Preceptors

Medical Neurology Branch

436. Masako Z Chen

Erythropoietin Pathway Targeting in VHL-Associated Renal Cell Carcinomas

Georgetown University

Hometown: Madison, CT

Dr. Susannah Cleary,

Dr. Zhengping Zhuang, Preceptors

Surgical Neurology Branch

437. Ugonma N Chukwueke

High-resolution imaging of cortical and subcortical structures in patients with intractable epilepsy

Wake Forest University School of Medicine

Hometown: Frisco, TX

Dr. William Theodore, Preceptor

Clinical Epilepsy Section

438. Melissa E Crowder

Characterization of Motor Neuron Death in a Mouse Model of Spinal Muscular Atrophy

University of Virginia

Hometown: Bethesda, MD

Dr. Michael J. O'Donovan,

Dr. George Z. Mentis, Preceptors

Cellular and Developmental Neurobiology Section

439. Matthew S Fifer

Developing a system for real-time prediction of reach trajectory using MEG

University of Virginia

Hometown: Ashburn, VA

Ms. Claudia J. Bonin,

Dr. Mark Hallett, Preceptors

Medical Neurology Branch

440. Anastasia A Ford

Anatomical characteristics of Benign Essential Blepharospasm: a DTI investigation using group FA comparisons and probabilistic tractography.

University of Florida

Hometown: Gainesville, FL

Dr. Silvina Horovitz,

Dr. Mark Hallett, Preceptors

Medical Neurology Branch

441. Jennifer Gao

The Role of Novelty in Risk Seeking Behavior

Brown University Medical School

Hometown: Providence, RI

Dr. Valerie Voon,

Dr. Mark Hallett, Preceptors

Medical Neurology Branch

442. Martin R Gaudinski

MRI Evidence of Collateral Blood Flow and Prolonged Tissue Viability During Stroke in Humans: The FLAIR Hyperintense Vessel Sign

Georgetown University School of Medicine

Hometown: Arlington, VA

Dr. Lawrence L. Latour, Preceptor

Stroke Branch

443. Thomas A Giuliani

Manual Versus Automated Lesion Segmentation of Acute and Chronic Experimental Stroke

Catholic University of America

Hometown: Coconut Creek, FL

Dr. Erica Henning, Preceptor

Stroke Branch

444. Jeremy L Goodman

Clinical Language Mapping: Comparing MEG Beamformers to fMRI

Brown University

Hometown: Bethesda, MD

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Dr. William Gaillard, Preceptors

Clinical Epilepsy Section

445. Brinda Gupta

The Role of Survival Factors in Neural Stem Cells through Imaging and Lineage Analysis

Thomas Jefferson High School for Science and Technology

Hometown: Herndon, VA

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446. Christopher A Hansen

GOPHER-DB: a reference database of hierarchical encoded gene ontologies and pathways

Brigham Young University

Hometown: Alpine, UT

Mr. Amarendra Yavatkar,

Mr. Kory R. Johnson, Preceptors

Developmental and Metabolic Neurology Branch

447. Christina E Hatch

Pedunculopontine Tegmental Nucleus Lesions Influence Basal Ganglia Function

University of Maryland

Hometown: North Potomac, MD

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448. Daniel R Holohan

Investigating Asymmetric Division in Stem Cells through Imaging and Lineage Analysis

Thomas Jefferson High School for Science and Technology

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449. Rehan M Hussain

Performance On The Iowa Gambling Task Among Parkinson's Disease Patients

George Washington University

Hometown: Homewood, IL

Dr. Eric M. Wassermann,

Dr. Dimitrios Kapogiannis, Preceptors

Brain Stimulation Unit

450. Haisam M Islam, Margaret R Widmyer

Development of an fMRI Biofeedback Program for Motor Tasks

University of Alabama at Birmingham

North Carolina State University

Hometown: Bethesda, MD

Charles Town, WV

Dr. Silvina Horovitz, Preceptor

Medical Neurology Branch

451. Neha Jakhete, Parnian Davoodi

Daclizumab expands CD56 bright NK cells by inducing their proliferation in vivo

George Washington University
Walt Whitman High School
Hometown: Washington, DC
Bethesda, MD
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452. Amelia J Kennedy

MR Spectroscopy of Focal Hand Dystonia

Connelly School of the Holy Child
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453. Lucy B Kennedy

Functional Recovery of the Rat Somatosensory Cortex Following Peripheral Nerve Injury

Duke University
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454. Kelsey C Ladt

A Transcranial Magnetic Stimulation Study of Reward Processing

University of Kentucky
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455. Jeremy Lent

Diffusion Tensor Imaging in Psychogenic Movement Disorder

Yale University
Hometown: Olney, MD
Dr. Valerie Voon, Preceptor
Medical Neurology Branch

456. Josh T Levitz

The role of sodium binding sites in determining the three sequential components of sodium ion release in the Na⁺/K⁺-ATPase

American University
Hometown: Washington, DC
Dr. Miguel Holmgren, Preceptor
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457. Shannon Liu

Inclusion of Reproductive-Aged Women in Clinical Trials in the Intramural Program

University of Maryland
Hometown: Rockville, MD

Dr. Barbara Karp,
Dr. Pamela Stratton, Preceptors
Clinical Neurocardiology Section

458. Yuhang H Liu

To study the interaction of RNA polymerase II C with Cdk5/P35

Thomas S. Wootton High School

Hometown: Boyds, MD

Dr. Niranjana D. Amin,

Dr. Yali Zheng, Preceptors

Laboratory of Neurochemistry

459. Tracy S Ma

Microelectrode Recordings of Zebrafish Retinal Neurons

Princeton University

Hometown: Redmond, WA

Dr. Ralph F. Nelson, Preceptor

Neural Circuits Unit

460. Shivanshu Madan

Localization of the Dorsal Lateral Premotor Cortex Via Nexstim and Transcranial Magnetic Stimulation

Michigan State University

Hometown: Troy, MI

Dr. Michael Dimyan, Preceptor

Laboratory of Neurophysiology

461. Chase M McNall

Patient-Volunteer Database for Neurological Disorders

Gonzaga College High School

Hometown: Vienna, VA

Dr. Silvina Horovitz, Preceptor

Medical Neurology Branch

462. Meghan A Nelson

Determining the Relationship between Efflux and Stem Cell Differentiation through Imaging and Lineage Analysis

Thomas Jefferson High School for Science and Technology

Hometown: Centreville, VA

Dr. Daniel J. Hoepfner, Preceptor

Laboratory of Molecular Biology

463. Grenye O'Malley

The antioxidant Tempol reduces CNS autoimmune disease in a model of multiple sclerosis

American University

Hometown: Jersey City, NJ

Dr. Jacqueline Shukaliak, Preceptor

Neuroimmunology Branch

464. Alisa M Olmsted

Exploring the molecular mechanisms responsible for the ethanol-dependent regulation of PKCdelta & PKCgamma"

Oberlin College

Hometown: Fairfax Station, VA

Dr. Elizabeth Rex,

Dr. David R. Sibley, Preceptors

Molecular Neuropharmacology Section

465. Anne Openshaw

Neuroanatomical Correlates of Aggression in Male Adolescents

Catholic University of America

Hometown: Washington, DC

Ms. Maren Strenziok,

Dr. Jordan Grafman, Preceptors

Cognitive Neuroscience Section

466. Amanda E Overcash

Changes in political attitudes in neurodegenerative diseases: Neuroatomical correlates.

Concordia Portland

Hometown: Portland, OR

Dr. Giovanna Zamboni, Preceptor

Cognitive Neuroscience Section

467. Anjali Parekh

The effect of mutations in the melanocyte transcription factor MITF on melanocyte numbers and migration during development

Northwestern University

Hometown: Silver Spring, MD

Dr. Heinz Arnheiter, Preceptor

Mammalian Development Section

468. Guy D Prosper

Parkinson's disease and the serial reaction time test

Howard University

Hometown: Alexandria, VA

Dr. David Benninger, Preceptor

Medical Neurology Branch

469. Sarah J Pulaski

Prefrontal Cortex Atrophy and Risk Taking in Patients with Frontotemporal Dementia

Catholic University of America

Hometown: North Bethesda, MD

Ms. Maren Strenziok,

Dr. Jordan Grafman, Preceptors

Cognitive Neuroscience Section

470. Leanne Radecki

Mapping Cortical Regions with MRI based on Myelination in a Non-Human Primate

University of Maryland

Hometown: Potomac, MD

Dr. Afonso Silva,
Dr. Nicholas Bock, Preceptors
Laboratory of Functional and Molecular Imaging

471. Justin T Roberts

PathFinder: A web-based tool for identifying possible Signal Transduction Pathways
George Washington University
Hometown: Washington, DC
Mr. Amarendra Yavatkar, Preceptor
Intramural Information Technology Program

472. Daniel Sahm, Kate E Donohue, Jonathan W Jamison, Camila M Daniels, Zeke M Campbell

MRI Characterization of Contrast Enhancing and Re-enhancing Lesions in Multiple Sclerosis
Washington University in St. Louis
College of the Holy Cross
University of California, San Diego
Charlotte Amalie High School
University of Mississippi Medical Center
Hometown: Bethesda, MD
Clifton Park, NY
San Diego, CA
St. Thomas, VI
Ridgeland, MS
Dr. Francesca Bagnato, Preceptor
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473. Nilay Shah

Neural Basis of Belief Updating in Medical Ethics
University of Illinois at Chicago
Hometown: Schaumburg, IL
Dr. Aron Barbey,
Dr. Jordan Grafman, Preceptors
Cognitive Neuroscience Section

474. John E Shen

A New Inhibitor of Serine-Threonine Protein Phosphatase, PP2A, Suppresses Growth and Induces Differentiation of Glioblastoma Cells
Ridgewood High School
Hometown: Ridgewood, NJ
Dr. Zhengping Zhuang,
Dr. Lu Jie, Preceptors
Surgical Neurology Branch

475. Michael J Shen

Targeted Transduction of Malignant Glioma Cells Using a Sindbis Pseudotyped Lentivirus
Johns Hopkins University
Hometown: Baltimore, MD
Dr. John K. Park, Preceptor

Surgical Neurology Branch

476. Nicholas J Siebenlist

Bold Contrast with Multiecho EPI in Rat

Cornell University

Hometown: Gaithersburg, MD

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Dr. Steve Dodd, Preceptors

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477. Eli R Thompson

Effects of von Hippel-Lindau Gene Deficiency on the Human Central Nervous System

University of California, Berkeley

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Dr. Sharon B. Shively, Preceptor

Surgical Neurology Branch

478. Kristina Thurin

LB1 in Combination with Chemotherapeutic Agents in Treating Glioblastoma Multiforme

Vanderbilt University

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Dr. Ping Zhuang, Preceptor

Surgical Neurology Branch

479. Viren Vasudeva

An fMRI Investigation into Gender Differences during Social Interaction

Medical College of Georgia

Hometown: Augusta, GA

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Cognitive Neuroscience Section

480. Jessica M Walthall

Analysis of FLIRT Image Registration Multi-modality Cost Functions

Duke University

Hometown: Olney, MD

Dr. John Ostuni,

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481. Elizabeth C Wayne

Odor Effect on Neural Stem Cell Migration in the Rodent Olfactory Bulb

University of Pennsylvania

Hometown: Crystal Springs, MS

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482. Moses L Williams

Effects of Mitochondrial fission defects on cellular respiration in yeast

Roman Catholic High School

Hometown: Philadelphia, PA

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Cellular Neurology Unit

483. Matthew D Wilson

Interhemispheric and Intracortical Interactions in Chronic Stroke Patients

University of Virginia

Hometown: McLean, VA

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Medical Neurology Branch

484. Lindsay E Wood

Blood Oxygen Level Dependent (BOLD) Responses to Various Tasks in People with Writer's Cramp

University of Rochester

Hometown: Silver Spring, MD

Ms. Muslimah Ali, Preceptor

Medical Neurology Branch

485. Min H Wu

Affective Motor Response Inhibition in Conversion Disorder with Psychogenic Movements: an fMRI Study

Brown University

Hometown: Olney, MD

Dr. Valerie Voon, Preceptor

Medical Neurology Branch

486. Sarah H Yang

Mapping the Interaction Domain of the Hereditary Spastic Paraplegia Proteins Atlastin (SPG3A) and Spastin (SPG4)

Winston Churchill High School

Hometown: Potomac, MD

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487. Yijung Yang

Amyloid Beta Precursor Protein Family and AIDA-1s at the Post Synaptic Density

University of Maryland

Hometown: Gaithersburg, MD

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488. Yujie Yang

The Role of Cyclooxygenase on the Cerebrovascular Coupling

Cornell University

Hometown: North Potomac, MD

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Dr. Ara Kocharyan, Preceptors

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489. William Yates

Cortical Reorganization in Chronic Stroke Following Brain-Computer Interface Training

Northwestern University
Hometown: Chicago, IL
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490. Sahar R Zadeh

Analyzing the Astrocytic Variation of Neural Stem Cell Through Imaging and Lineage
Charles E. Smith Jewish Day School
Hometown: Gaithersburg, MD
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491. Trelawny J Zimmermann

Neural Mechanisms of Practice-induced Improvement In Functional Reaching After Moderate Severity Stroke
Marymount University
Hometown: Adamstown, MD
Dr. Michelle Harris-Love, Preceptor
Medical Neurology Branch

492. Yixiao Zou

Roles of macromolecules on CaMKII movement in dendrites and dendritic spines - a computational study
Georgia Institute of Technology
Hometown: Lilburn, GA
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Dr. Shahid Khan, Preceptors
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National Institute of Nursing Research (NINR)

493. Laura C Parker

Emotional Intelligence Is Associated with Resilience to Trauma
Cedarville University
Hometown: Mt. Airy, MD
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National Institute on Aging (NIA)

494. Chandamany Arya

Kinetics of NFkB Signaling in an Immature B Cell Line
University of Maryland
Hometown: Baltimore, MD
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Laboratory of Cellular and Molecular Biology

495. Prince K Awuah

Development of primary mouse fibroblasts from ROSA-EYFP mouse tails to study the

role of different transcription factors
University of Maryland Eastern Shore
Hometown: Gaithersburgh, MD
Dr. Minoru Ko,
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496. Charlene Bashore

Cell Membrane Affinity Chromatography of Histamine Receptors on Human Astrocytoma Cells
Arizona State University
Hometown: Litchfield Park, AZ
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497. Lydia E Beasley

Use of accelerometer data to measure physical activity: toward a comprehensive new analysis
Washington University in St. Louis
Hometown: Silver Spring, MD
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498. Christina T Bohr

Exploration of the Genetic Basis That Regulates Telomere Length in a Mouse Model
University of Maryland
Hometown: Ellicott City, MD
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499. Michael N Brodeur

Labeling, isolation, and microarray analysis of nascent versus steady state RNA via bromouridine following serum deprivation
University of Maryland
Hometown: Baltimore, MD
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Research Resources Branch

500. Julia Bryant

Effect of estrogen on diversifying antibodies by gene conversion
McDaniel College
Hometown: cockeysville, MD
Dr. Patricia Gearhart,
Dr. Huseyin Saribasak, Preceptors
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501. Destiny S Burroughs

"Molecular characterization of the RNA-binding protein Nucleolin"
Coppin State University
Hometown: Baltimore, MD
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502. Priscila Castillo

A Screen for Prolongevity Interventions in the Fruit Fly Drosophila melanogaster
University of Texas at El Paso
Hometown: Rockville, MD
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503. Yunyoung C Chang

Effects of Chronic NMDA Administration on Pro and Anti-Apoptotic Factors in Rat Brain
University of Pennsylvania
Hometown: Potomac, MD
Dr. Jagadeesh S. Rao, Preceptor
Brain, Physiology and Metabolism Section

504. Zsu-Zsu Chen

The Characterization of LRRK2 Transgenic Mice
University of Alabama at Birmingham
Hometown: Sterrett, AL
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Laboratory of Neurogenetics

505. Bonnie Y Chien

Klotho: The Common Thread between Cancer and Aging
Stanford University
Hometown: Milpitas, CA
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506. Nancy Chiles

Nerve Function as a possible mediator between Diabetes and Lower Extremity Function
University of Maryland, Baltimore County
Hometown: Silver Spring, MD
Ms. Caroline Phillips,
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507. Sylvia K Dasi

Bio-informatics analysis of RecQ5 reveals several potential protein:protein interaction motifs
University of Maryland Eastern Shore
Hometown: Fort Washington, MD
Dr. Deborah Croteau,
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508. Grace M Demehin

Easing the impact of aging: opportunities in technology development to improve human

health.

Towson University
Hometown: Parkville, MD
Dr. Cathy Wolkow, Preceptor
Laboratory of Neurosciences

509. Jie Deng

The role of chemokine receptor CCR4 in Treg recruitment into the metastatic lungs
University of Florida
Hometown: Safety Harbor, FL
Dr. Arya Biragyn,
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510. Angela M DeRidder

Exendin-4: A Potential Novel Therapeutic Agent for the Treatment of Huntington's Disease
University of Maryland, Baltimore
Hometown: Salisbury, MD
Dr. Stuart R. Maudsley,
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511. Allissa A Dillman

What Makes a Brain Cell: Gene Expression in Differentiated Neuroblastoma
St. Cloud State University
Hometown: Bethesda, MD
Dr. Mark R. Cookson, Preceptor
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512. Ekaterina A Eliseeva

Adjustment for missing data due to death and dropout in modeling the trajectory of weights
University of Chicago
Hometown: Chevy Chase, MD
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513. Dylan L Galos

Tissue-specific alterations in glucocorticoid and mineralocorticoid receptor expression in the db/db mouse
New Mexico State University
Hometown: Las Cruces, NM
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514. David M Greenberg

Climatic Warmth and National Wealth Predict Stereotypes of Americans: Data from 48 Cultures
Rutgers, The State University of New Jersey
Hometown: Marlton, NJ

Dr. Robert R. McCrae, Preceptor
Laboratory of Personality and Cognition

515. Grace Guido

Cholesterol Levels in Ghrelin and Leptin Transgenic Mice

Roanoke College

Hometown: Baltimore, MD

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Ms. Ana Lustig, Preceptors

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516. Kimberly R Jennings

Maintenance of Genomic Stability by Fanconi Anemia Group J (FANCI) and Werner Syndrome (WRN) Helicases

University of Maryland Eastern Shore

Hometown: Hyattsville, MD

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517. Sunggoan Ji

MSG Tasting

Johns Hopkins University

Hometown: Baltimore, MD

Dr. Bronwen Martin, Preceptor

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518. Emily K Kershner

Elucidating The Role of HSPGs in Metastatic Melanoma

St. Mary's College of Maryland

Hometown: Martinsburg, WV

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519. Sarah E Kokinos

Anxiety-related personality traits are not associated with serotonin transporter polymorphism in large Sardinian sample

University of Virginia

Hometown: Timonium, MD

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520. Jocelyn R Lo

The Role of SIRT6 in DNA Repair and Ig Gene Diversification in DT40 Cells

Columbia University

Hometown: Rolling Hills Estates, CA

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521. Andreas H Mitchell

Examining Arthritis Through Narrow-based Walking: Biomechanics and Beyond

Centennial High School
Hometown: Ellicott City, MD
Dr. Luigi Ferrucci,
Dr. Jeffrey Metter, Preceptors
Clinical Research Branch

522. Ashley D Morgenstern

Multicomponent T2 relaxation rates in cartilage matrix constituents
Virginia Tech
Hometown: Derry, NH
Dr. Richard Spencer,
Dr. David Reiter, Preceptors
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523. Naren Nimmagadda

β -Arrestin-2 is necessary for β 2-adrenoceptor-Gi coupling in adult mouse cardiomyocytes
Virginia Commonwealth University
Hometown: Ellicott City, MD
Dr. Anthony Woo,
Dr. Rui-Ping Xiao, Preceptors
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524. Oyindamola Oladosu

The Effects of Red Blood Cell Reaction with Nitrite on the Rat Vasculature
University of Maryland Eastern Shore
Hometown: New Carrollton, MD
Dr. Joy Mohanty, Preceptor
Molecular Dynamics Section

525. John Pang

Vectors take their Toll...to the cell surface: Designing, generating, and testing mammalian expression vectors that tag membrane proteins.
University of Florida
Hometown: Clearwater, FL
Dr. Li Lin,
Dr. Edward Lakatta, Preceptors
Laboratory of Cardiovascular Science

526. Rahul N Patel

Construction of recombinant adenoviral vector carrying MFG-E8 gene and its expression in cultured vascular smooth muscle cells
University of Maryland, Baltimore County
Hometown: Germantown, MD
Dr. Mingyi Wang,
Ms. Liqun Jiang, Preceptors
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527. Salim Rahimi

Correlation of Observed Physiological Markers with Machine Based Pattern Recognition in X-Rays of Human Knees

State University of New York - Farmingdale

Hometown: Melville, NY

Dr. Leor Shamir,

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528. Ryan G Short

Thalidomide analogs as potential anti-TNF- α therapeutics

Cedarville University

Hometown: Baltimore, MD

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529. Shweta Shukla

A heart-rendering story: Decreased Pacemaking activity in Aged mice

dulaney high school

Hometown: cockeysville, MD

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530. Jennifer A Simpson

Pain and Physical Function in Heart Failure Patients

California State University, Sacramento

Hometown: Antelope, CA

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531. Alex M Sossong

Maternal Dietary Effects on Offspring in Mice

St. Francis University

Hometown: Mineral Point, PA

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532. Adithya Sundar

Role of toll-like receptors in neural differentiation

University of Maryland, Baltimore County

Hometown: Damascus, MD

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533. Ali Syed

The role of parkin and its effects on the mitochondrial dynamics in PINK1 associated recessive Parkinsonism

University of Maryland, Baltimore County

Hometown: Burtonsville, MD

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534. Mary K Urban

Functional Conservation of DJ-1 Homologues Across Species

University of Dallas

Hometown: Montgomery Village, MD

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Dr. Jeff Blackinton, Preceptors

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535. Annie X Wang

The Effect of Cytochrome B5 Reductase on Lifespan of Drosophila melanogaster under Dietary Restriction

Boston University

Hometown: Baltimore, MD

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536. Hejia Wang

Development of Tools to Generate Transgenic Mouse Models of Atherosclerotic Calcium Channel Splicing Defect and its Correction

Dulaney High School

Hometown: Cockeysville, MD

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537. Christina S Wu

The Effects of Pak1 on Vascular Smooth Muscle Cell Survival

Centennial High School

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538. Kevin K Yang

DNA Repair Capacity Associated with Undifferentiated and Differentiated Model Neural Cells

University of Maryland

Hometown: Ellicott City, MD

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539. Hanci Zhang

Familial Aneurysm Syndrome Associated With COL5A1 Mutation

Dulaney High School

Hometown: Cockeysville, MD

Dr. Nazli McDonnell, Preceptor

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National Institute on Alcohol Abuse and Alcoholism (NIAAA)

540. Emma L Doran

The Role of FOXP2 on Habit Formation in Mice

College of William and Mary

Hometown: Bethesda, MD

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541. Elissa Gerfen

The Role of FOXP2 on Motor Skill Learning in Mice

Vanderbilt University

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542. Tommy T Guo

Role of Interleukin-10 in Alcoholic Liver Injury

Walter Johnson High School

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543. Kelen T Jiang

Sociodemographic and Psychiatric Correlates of Binge Drinking in Young Adults: Results from the National Epidemiologic Survey on Alcohol and Related Conditions (NESARC)

Winston Churchill High School

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544. Afifah N Khan

Studies of Gene Expression in Cockayne Syndrome

Thomas Jefferson High School for Science and Technology

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545. Rachel H Lee

A Novel Mechanism of Akt Release from the Plasma Membrane

Yale University

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546. Laura K Max

Candidate Gene Analysis in the Mouse Froggy (frg) Craniofacial Mutant

Walter Johnson High School

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547. Prapti S Muhuri

Sociodemographic and Psychiatric Correlates of Age at Initiation of Alcohol Use in Young Adults: Results from the National Epidemiologic Survey on Alcohol and Related Conditions (NESARC)

Springbrook High School
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548. Xin Shan

The Effect of S. typhimurium Flagellin on Endocannabinoid Anandamide Levels

Montgomery Blair High School
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549. Alex B Wang

Association between methylation profiling of CpG islands at NPY promoter region and haplotype-based gene expression

University of Florida
Hometown: Jacksonville, FL
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550. Morgan Whetstone

Comparison of rating scales for cravings and urges to drink alcohol in the research/treatment subjects

University of Maryland
Hometown: Germantown, MD
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551. Lida Zheng

The Functional Characterization of Alpha-Bungarotoxin Binding Site Tagged Glycine Receptor

Cornell University
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552. Liang Zhou

Peripheral Cannabinoid Receptor Inactivation: Functional Implications for Central Metabolism

Johns Hopkins University
Hometown: Gaithersburg, MD

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National Institute on Deafness and Other Communication Disorders (NIDCD)

553. Alan Y He

Bioinformatic analysis of target genes regulated by p53 family transcription factors

Thomas S. Wootton High School

Hometown: Gaithersburg, MD

Dr. Bin Yan,

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Head and Neck Surgery Branch

554. Blair H Hu

Using Electroencephalography and Functional Magnetic Resonance Imaging to

Differentiate Sleep Stages

Thomas Jefferson High School for Science and Technology

Hometown: Vienna, VA

Dr. Allen R. Braun,

Dr. Dante Picchioni, Preceptors

Voice, Speech and Language Branch

555. Kathy M Xu

Evaluation of white matter abnormalities in patients with hearing loss and tinnitus using diffusion tensor imaging

Massachusetts Institute of Technology

Hometown: Clarksville, MD

Dr. Barry Horwitz, Preceptor

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556. Arthur Zhou

Comparative surface distribution of NMDA receptor subtypes using transfected constructs

Centennial High School

Hometown: Ellicott City, MD

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557. Beverly Aiyanyor

Role of Neuronal Pentraxin in Parkinson's Disease

Westtown School

Hometown: Baltimore, MD

Dr. Toni Shippenberg, Preceptor

Behavioral Neuroscience Branch

558. Fadhi A Ali

Effects of Escalating Dose Methamphetamine Pre-Treatment on Neurotoxic Effects of

High Dose Meth Injections in the Cortex and Hippocampus

The Preuss School, University of California, San Diego

Hometown: San Diego, CA

Dr. Jean L. Cadet, Preceptor

Molecular Neuropsychiatry Branch

559. Yaw B Asante

Within-Subject Dose-Response Curves for Cocaine's Locomotor-Stimulating Effects

Regis High School

Hometown: Yonkers, NY

Dr. Jonathan Katz,

Dr. Paul Soto, Preceptors

Chemical Research Biology Branch

560. Jennifer Bai

Methamphetamine enhances endoplasmic reticulum (ER) stress related protein expression

Dulaney High School

Hometown: Cockeysville, MD

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561. Kevin F Brown

Development of Proof of Principle Studies to Validate the Noninvasive Measurement of In Vivo Glutamate Release Using Magnetic Resonance Spectroscopy

University of Virginia

Hometown: Alexandria, VA

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Neuroimaging Research Branch

562. Tevin M Brown

The Effects of Alpha Synuclein on Oxidative Stress Induced Apoptosis in SH-SY5Y Cells

Suncoast High School

Hometown: Riviera Beach, FL

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563. William Q Brown Jr.

The Effects of Methamphetamine on the Expression of EPH Receptors in the Rat Striatum

University of Maryland Eastern Shore

Hometown: Owings, Mills, MD

Mr. Mike T. McCoy,

Dr. Jean L. Cadet, Preceptors

Molecular Neurobiology Branch

564. Makeda A Carroll

Functional connectivity of dorsolateral striatum and nucleus accumbens shell in context-induced reinstatement of heroin seeking in a rat model of drug relapse

Long Reach High School

Hometown: Columbia, MD
Dr. Jennifer M. Bossert,
Ms. Kristina A. Wihbey, Preceptors
Behavioral Neuroscience Branch

565. Elyse M Cornett

Effects of Cocaine on Dopamine Release: A Two Day Microdialysis Study in Rats
Western Michigan University
Hometown: Huntington Woods, MI
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566. Zhuoheng Deng

The Effects of Methamphetamine on Ephrin Expression in the Rat Striatum
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567. Mikel A Etchegaray

Modulation of Persistent Pain by Neuronal Pentraxins
Hamilton College
Hometown: Clinton, NY
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Behavioral Neuroscience Branch

568. Kirsti R Gilmore

Induction of Endoplasmic reticulum stress in striatum of Methamphetamine administered rats
Morgan Park High School
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Dr. Subramaniam Jayanthi, Preceptor
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569. Meghan E Graham

Examining Associations Between Functional Brain Activation and Behavior in Adolescents With Prenatal Drug Exposure
University of Maryland
Hometown: College Park, MD
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Neuroimaging Research Branch

570. Erin E Heap

Glutamatergic Neurons in the Dopamine Midbrain System
Southern Nazarene University
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Dr. Tsuyoshi Yamaguchi,
Dr. Marisela Morales, Preceptors

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571. Hunter T Holloway

Reinstatement of Cocaine-seeking by Cocaine HCl and Cocaine Methiodide

University of North Carolina

Hometown: Charlotte, NC

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Behavioral Neuroscience Branch

572. Kyounghee Huh

Generalized and Inducible Cre Expression in ROSA26 recombinant mice

Roberts Wesleyan College

Hometown: Rochester, NY

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573. Imikomobong E Ibia

Intracellular Localization of Antiapoptotic Protein BCL-2

South Lakes High School

Hometown: Reston, VA

Dr. Teruo Hayashi, Preceptor

Cellular Neurobiology Research Branch

574. Sunny Kumar

Methamphetamine Self-Administration Causes Changes in Gene Expression and Induces Neurotoxic Effects in the Rat Striatum

Saint Andrew's School

Hometown: Boca Raton, FL

Dr. Irina Krasnova, Preceptor

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575. Chelsea E Landa

Ventral tegmental area afferent activation during food expectancy: behavioral results and preparatory immunocytochemistry

University of Delaware

Hometown: Freeland, MD

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Dr. Stefanie Geisler, Preceptors

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576. Brett A Leibowitz

Cholinergic neurons of the rat mesopontine tegmentum do not have either glutamatergic or GABAergic phenotypes

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Cortical Molecular Network of Addiction-Related Genes

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Intravenous Self-Administration of CTD32476, a Slow-Onset Long-Acting Dopamine Transporter Inhibitor, in Rats: Implications for Anti-Cocaine Medication

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Effects of Neurotrophic Factors, MANF and CDFN, on 6-Hydroxydopamine toxicity in PC12 cells

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Investigation of AMPH-induced cell death in the brains of WT and SOD-tg mice

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The Detection Limit of Glutamate in Microdialysis Samples Using Fluorometric Detection

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Methamphetamine Regulates Rn.Scrt1_P and Rn.Scrt2_P Gene Expression In The Cortex

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Repeated haloperidol administration in a novel environment alters Fos expression in rat brain

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Regulation of dopamine in the nucleus accumbens following targeted deletion of NMDA receptors in midbrain dopamine neurons

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Stress-induced reorganization of ARMET-mCherry fusion protein in Caenorhabditis elegans

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DTI Stochastic Tractography: An Analysis on White Matter Integrity of Chronic Cocaine Users

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Effects of Glutamate Transporter (GLT-1) Overexpression on Glutamate Excitotoxicity

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Cocaine Induces Alternations in the Developing Neocortex

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Establishing a Bereavement Program in a Clinical Research Hospital

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Cutaneous T-cell lymphoma

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Gene Expression Microarray Analysis of CD25(-) and CD25(+) Subpopulations of the KITD816V Positive HMC1 Human Mast Cell Line
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Understanding Behavior and Brain Activity Using fMRI Imaging
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High Alert Medications: How to Keep Our Patients Safe.
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HIV/AIDS Prevention Programs in Uganda, Baltimore, and Washington D.C
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Automated Detection of Adherent Contrast Phenomenon on Colonic Polyps on CT Colonography

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Artificial Neural Network Subgrouping of Corticobasal Syndrome Patients

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Correlation between Pain Perception and CNS NO Production in NOS -/- Mice

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A Clinical Phenotype of Speech, Language, and Swallowing Functions in Niemann Pick, Type C

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Modernizing data collection of a dose calibrator

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Determining predictive measures of performance in patients with hypoparathyroidism

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Sirolimus-Induced Hyperlipidemia Between Cytochrome P450 3A5 (CYP3A5)

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Facilitating Data Analysis through Ruby and R Interaction

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Characterization of Pneumocystis Promoters

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An introduction to the neural networks subserving obesity: an fMRI study

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Magnetic Resonance Guided High Intensity Focused Ultrasound for the Treatment of Neuropathic Pain in a Rat Model

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Integration of Database with an Image Processing Engine

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Dysbindin and Schizophrenia Genetics

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Using Femoral Shape Measures to Predict Patellar Maltracking Patterns in the Presence of Patellofemoral Pain

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Evaluation of 100% Online CRIS Prescriber Training

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Characterizing Muscle Performance in Subjects with Juvenile Dermatomyositis: What is the Utility of Isokinetic Testing?

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Influence of Echinacea purpurea on Lopinavir/Ritonavir Pharmacokinetics in Healthy Human Subjects

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Expression of Pneumocystis jirovecii Major Surface Glycoprotein Gene Variants

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Aerobic Capacity in Children with Friedreich's Ataxia
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A Comparison of MicroRNA Expression Patterns in Circulating Erythroid Cells during the Fetal and Adult stages of Human Development
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The influence of nutrition and weight loss on the progression of non-alcoholic fatty liver disease (NAFLD): an evidence-based review

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Clinical correlates and strain characterization of MRSA isolates from 2006 at the NIH Clinical Center

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Hypertonia in Patients with Cerebral Palsy

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Exploring Knee Joint Cartilage Contact Patterns In Patients With Patellar-Femoral Pain
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Normalized distance along the colon centerline: A method for registration of polyp findings on CT colonography and optical colonoscopy
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Quantifying Operations and Maintenance in an IT Department: A Descriptive Analysis
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Hypotonia in Cerebral Palsy Patients

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SMART-MART, A Desktop Computing Tool for Clinical Data Mining

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