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**August 5
2010**

NIH SUMMER RESEARCH PROGRAM

POSTER DAY

**Office of Intramural Training & Education
National Institutes of Health
Department of Health and Human Services**

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The NIH is dedicated to building a diverse community in its training and employment programs.

- **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.

NOTE: the complete program for Summer Poster Day 2010, including poster titles, can be found at www.training.nih.gov/summer_poster_day.

Table of Contents Numbers

Poster

□	Center for Biologics Evaluation and Research, FDA (CBER-OBRR-DETTD)	1 - 3
□	Center for Biologics Evaluation and Research, FDA (CBER-OBRR-DH)	4 - 9
□	Center for Biologics Evaluation and Research, FDA (CBER-OCTGT-DCGT)	10 - 14
□	Center for Biologics Evaluation and Research, FDA (CBER-OVRR-DBPAP)	15
■	Center for Information Technology	16
■	Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)	17 – 75
O	National Cancer Institute Center for Cancer Research (NCI-CCR)	76 - 233
O	National Cancer Institute Division of Cancer Control and Population Sciences (NCI-DCCPS)	234 - 235
O	National Cancer Institute Division of Cancer Epidemiology and Genetics (NCI-DCEG)	236 – 255
O	National Cancer Institute Division of Cancer Prevention and Control (NCI-DCPC)	256
O	National Cancer Institute Division of Cancer Treatment and Diagnosis (NCI-DCTD)	257 - 258
□	National Center for Complementary and Alternative Medicine (NCCAM)	259 - 260
□	National Eye Institute (NEI)	261 - 281
□	National Heart, Lung, and Blood Institute (NHLBI)	282 - 317
■	National Human Genome Research Institute (NHGRI)	318 - 355
■	National Institute of Allergy and Infectious Diseases (NIAID)	356 - 404
■	National Institute of Allergy and Infectious Diseases – Vaccine Research Center (NIAID-VRC)	405 - 407
□	National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)	408 - 422
□	National Institute of Biomedical Imaging and Bioengineering (NIBIB)	423 - 434
□	National Institute of Dental and Craniofacial Research (NIDCR)	435 - 443
■	National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)	444 - 486
■	National Institute of Environmental Health Sciences (NIEHS)	487
■	National Institute of Mental Health (NIMH)	488 - 534
□	National Institute of Neurological Disorders and Stroke (NINDS)	535 - 592
□	National Institute of Nursing Research (NINR)	593 - 595
O	National Institute on Aging (NIA)	596 - 626
□	National Institute on Alcohol Abuse and Alcoholism (NIAAA)	627 - 638
□	National Institute on Deafness and Other Communication Disorders (NIDCD)	639 - 643

O	National Institute on Drug Abuse (NIDA)	644 - 675
<input type="checkbox"/>	National Library of Medicine – National Center for Biotechnology Information (NLM-NCBI)	676 - 678
<input type="checkbox"/>	NIH Clinical Center (CC)	679 – 726
<input type="checkbox"/>	Office of the Director/Office of Research Services (OD/ORS)	727

Index of Participants

Center for Biologics Evaluation and Research, FDA (CBER-OBRR-DETTD)

1. Sushmita B Gordhandas

Preliminary Work for the Development of Reference Standards for a TSE Screening Test in Blood

Cornell University

Hometown: Falls Church, VA

Dr. Luisa Gregori,

Dr. Lubica Kurillova, Preceptors

Laboratory of Bacterial, Parasitological and Unconventional Agents

2. Amritanshu Joshi

Deletion of a Defined Gene by Homologous Recombination in the Leishmania Parasite

Walter Johnson HS

Hometown: Rockville, MD

Dr. Robert Duncan,

Dr. Ranadhir Dey, Preceptors

Laboratory of Bacterial, Parasitological and Unconventional Agents

3. Amit Kaul

Characterization of the ligase activity associated with the ubiquitin fold modifier-1

Winston Churchill High School

Hometown: Potomac, MD

Dr. Sreenivas Gannavaram,

Dr. Alain Debrabant, Preceptors

Laboratory of Bacterial, Parasitological and Unconventional Agents

Center for Biologics Evaluation and Research, FDA (CBER-OBRR-DH)

4. John A Farrell

Prion protein does not influence erythropoiesis in β -thalassemic prion deficient mice (th3/+Prnp -/-)

University of Vermont

Hometown: Kensington, MD

Dr. Jaro Vostal,

Dr. Monique Gelderman-Fuhrmann, Preceptors

Laboratory of Cellular Hematology

5. Wesley w Jong

Investigation of Structural Changes Occurring in Alpha-1-Proteinase Inhibitor Polymers Formed in Vitro

Thomas S. Wootton

Hometown: Rockville, MD

Dr. Ewa Marszal, Preceptor

Laboratory of Plasma Derivatives

6. Willy W Li

Analyzing Effects of FXI using Spatial Clot Growth Assay

University of Maryland, College Park
Hometown: Rockville, MD
Dr. Mikhail Ovanesov,
Dr. Alexey Shibeko, Preceptors
Laboratory of Hemostasis

7. Erin Needlman

Evaluation of Induced Aggregation of Immunoglobulin G by Dynamic Light Scattering
James Madison University
Hometown: olney, MD
Dr. Dorothy Scott, Preceptor
Laboratory of Plasma Derivatives

8. Rahul N Patel

Optimization of Thrombin Generation Test for Measurement of Factor VIII Activity
University of Maryland Baltimore County
Hometown: Germantown, MD
Dr. Mikhail Ovanesov,
Dr. Alexey Shibeko, Preceptors
Laboratory of Hemostasis

9. Christine E Stuart

Optimization of an Immunoaffinity Purification Method for Isolation of Alpha-1-Proteinase Inhibitor Polymers Formed In Vivo
Boston University
Hometown: Chevy Chase, MD
Dr. Ewa Marszal, Preceptor
Laboratory of Plasma Derivatives

Center for Biologics Evaluation and Research, FDA (CBER-OCTGT-DCGT)

10. Shawn S Chawla

Differentiation of NTerra2 Embryonal Carcinoma cells into a Neuronal Phenotype
George Washington University
Hometown: Potomac, MD
Dr. Jennifer Catalano,
Dr. Amy X. Yang, Preceptors
Laboratory of Immunology and Developmental Biology

11. Lina Chhuy-Hy

Spacial and Temporal Expression of PRELP (Proline arginine rich end leucine-rich protein) in Xenopus Early Development
Washington Lee High School
Hometown: arlington, VA
Dr. John T. Thomas, Preceptor
Laboratory of Immunology and Developmental Biology

12. Vikaas Kataria

Gene expression Profiling of 4T1 Murine Breast Tumors after Therapy with DNA vaccine

and IL-13 receptor Targeted Immunotoxin
Georgetown University
Hometown: Potomac, MD
Dr. Syed Husain, Preceptor
Laboratory of Immunology and Developmental Biology

13. Raymond Y Li

Genome-wide analysis of gene expression in human alveolar epithelial cells using microarray: identification of genes involved in toxicity of methamidophos
Winston Churchill HS
Hometown: Potomac, MD
Dr. Shyh-Ching Lo,
Dr. Hongtao Zhao, Preceptors
Laboratory of Molecular Tumor Biology

14. Connie Lu

Rapid Titration of Lentiviral Vectors Using the Beta-lactamase Protein Fragment Complementation Assay
Poolesville High School
Hometown: Germantown, MD
Dr. Wu Ou, Preceptor
Laboratory of Molecular Immunology and Virology

Center for Biologics Evaluation and Research, FDA (CBER-OVRR DBPAP)

15. Nicholas B Abt

Immunohistopathology and Flow Cytometric Analysis in the P. berghei ANKA Murine Model of Experimental Cerebral Malaria
University of Florida
Hometown: Davie, FL
Dr. Sheldon L. Morris,
Dr. Miranda S. Oakley, Preceptors
Laboratory of Mycobacterial Disease and Cellular Immunity

Center for Information Technology (CIT)

16. Kenneth Kho

An auxiliary classifier providing evidence to support coding of biomedical text
University of Illinois at Urbana Champaign
Hometown: Naperville, IL
Mr. William Lau,
Dr. Calvin Johnson, Preceptors
Division of Computational Bioscience

Eunice Kennedy Shriver National Institute of Child Health and Human

Development (NICHD)

17. Brent S Abel

Post-Surgical Recovery in Patients with Cushing's Syndrome: Results of an Open-Ended Survey

Tufts University

Hometown: Silver Spring, MD

Dr. Lynnette K. Nieman, Preceptor

Program in Reproductive and Adult Endocrinology

18. Nasif S Ahmed

Anti-Ubiquitination Drug PYR41 Causes Surprising and Unintended Inhibition of Microtubules by Directly Crosslinking Tubulin.

University of Maryland, College Park

Hometown: Potomac, MD

Dr. Dan Sackett, Preceptor

Laboratory of Integrative and Medical Biophysics

19. Elisabeth A Arndt

Genetic Mapping and Characterization of a Zebrafish Lymphatic Mutant

Carnegie Mellon University

Hometown: Boyds, MD

Dr. Brant M. Weinstein, Preceptor

Laboratory of Molecular Genetics

20. Atieh Bakhtiar

Functional Brain Imaging using Near Infrared Technology

Northern Virginia Community College

Hometown: Arlington, VA

Dr. Laleh Najafizadeh,

Dr. Amir Gandjbakhche, Preceptors

Program in Pediatric Imaging and Tissue Sciences

21. Mouadh Benamar

Understanding the Transcriptional Regulation of the yeaP-yoaK-yoaJ Operon in Escherichia coli

Northern Virginia Community College

Hometown: Alexandria, VA

Dr. Fanette Fontaine,

Dr. Gisela T. Storz, Preceptors

Cell Biology and Metabolism Program

22. Katherine Benson

Generation of a Mutation in a Sp1/Klf family member in Drosophila

Carleton College

Hometown: Long Lake, MN

Dr. Judith Kassis, Preceptor

Laboratory of Molecular Genetics

23. Fang Y Cao

A Novel Genomic Tagging Tool for Analyzing Regulatory Neurotransmitters in the Fly

Visual System

Montgomery Blair High School
Hometown: Bethesda,, MD
Dr. Chi-Hon Lee,
Dr. Tzu-Yang Lin, Preceptors
Program in Cellular Regulation and Metabolism

24. Lois Y Chang

Profiling miRNAs in the Rodent Pineal
Sherwood High School
Hometown: Bethesda, MD
Dr. Sam Clokie,
Dr. David Klein, Preceptors
Program in Developmental Endocrinology and Genetics

25. Ana G Coello Escoto

Stress Induced Steroidogenesis is Associated with Increases in Melanocortin Receptor Associated Protein (MRAP)
University of Maryland
Hometown: Silver Spring, MD
Dr. Greti Aguilera, Preceptor
Developmental Endocrinology Branch

26. Joshua Cornman-Homonoff

Heavy Prenatal Alcohol Exposure and Risk of Stillbirth and Preterm Birth: NICHD - University of Chile Fetal Alcohol Study
University of Pennsylvania
Hometown: Brooklyn, CT
Dr. James L. Mills, Preceptor
Division of Epidemiology, Statistics and Prevention Research

27. Urania Dagalakis

Investigation of Mutations in the CDKI Genes in Patients with Adrenal Tumors
Emory University
Hometown: Potomac, MD
Dr. Constantine A. Stratakis, Preceptor
Developmental Endocrinology Branch

28. Sarah Dicker

Teens with Primary Ovarian Insufficiency
Charles E. Smith Jewish Day School
Hometown: Potomac, MD
Dr. Lawrence Nelson, Preceptor
Program in Reproductive and Adult Endocrinology

29. Natasha Duggal

Gender Specific Olfactory Responses in a Model System
Colonel Zadok Magruder High School
Hometown: Rockville, MD
Dr. Mark Stopfer, Preceptor
Section on Cell Biology and Signal Transduction

30. Krzysztof M Franaszek

Using Yeast Two-Hybrid Screening to Identify Factors in Schizosaccharomyces pombe that Bind the Integrase of Retrotransposon Tf1

Thomas Wootton High School

Hometown: Gaithersburg, MD

Dr. Henry L. Levin,

Ms. Yujin Cui, Preceptors

Laboratory of Gene Regulation and Development

31. Henry Geria, Roderick C. Pettigrew

Load Bearing Properties of Cartilage and its Biopolymer Constituents

Georgetown Day School

Georgetown Day School

Hometown: Takoma Park, MD

Bethesda, MD

Dr. Ferenc Horkay,

Dr. Peter Bassler, Preceptors

Program in Physical Biology

32. Frederick P Ghandchi

The Function and Expression of p21-activated kinase 6B (PAK6B) in Zebrafish Development

Thomas Jefferson High School for Science and Technology

Hometown: Burke, VA

Dr. Thomas D. Sargent, Preceptor

Program in Genomics of Differentiation

33. Kathryn M Grimes

An Immunogenic Protein Engineered from a Cytotoxic Toxin for Vaccine Development

Johns Hopkins University

Hometown: Rockville, MD

Dr. Jerry M. Keith,

Dr. Rachel Schneerson, Preceptors

Program in Developmental and Molecular Immunity

34. OGHOMWEN E IGIESUOROBO

Role Of CV-2 in Modulating BMP Signalling

University of California, Los Angeles

Hometown: Hayward, CA

Dr. Mihaela Serpe, Preceptor

Program in Cellular Regulation and Metabolism

35. Lisbeth Iglesias Rios

PCB concentrations and menstrual cycle characteristics among women in the Angler Prospective Pregnancy Study

University of New Mexico

Hometown: Albuquerque, NM

Dr. Louis M. Germaine,

Dr. Maureen Cooney, Preceptors

Epidemiology (EPI) Branch

36. Rizwan R Jagani

The Implementation of Non-Invasive Imaging in Monitoring Treatment of AIDS-Related Kaposi's Sarcoma

Plano East Senior High School

Hometown: Plano, TX

Dr. Moinuddin Hassan,

Ms. Jana M. Kainerstorfer, Preceptors

Program in Pediatric Imaging and Tissue Sciences

37. Michael R Kellman

The Application of pH Sensitive Fluorescent Dye for the Detection of Cancer Cells

Walt Whitman High School

Hometown: Bethesda, MD

Dr. Amir Gandjbakhche,

Dr. Moinuddin Hassan, Preceptors

Program in Pediatric Imaging and Tissue Sciences

38. Sarah Kim

Regulation of odor identity processing by feedforward inhibition

College of William and Mary

Hometown: Vienna, VA

Dr. Mark Stopfer, Preceptor

Laboratory of Cellular and Synaptic Neurophysiology

39. Julie A Landers

Use of Ultra High-Throughput Sequencing in Testing the Role of Host Factors in Positioning Retrotransposon Integration in Schizosaccharomyces pombe

University of Portland

Hometown: Salem, OR

Dr. Henry L. Levin,

Dr. Anasuya Majumdar, Preceptors

Laboratory of Gene Regulation and Development

40. Andrew Y Li

Dexamethasone Synergistically Increases Secretion of the Anti-inflammatory Cytokine Interleukin-10 in Murine Dendritic Cells (DCs) upon Viral Infection: Potential Implication to Stress-mediated Modification of Susceptibility to Viral Infection

Poolesville High School

Hometown: Bethesda, MD

Dr. Tomoshige Kino,

Ms. Sinnie Ng, Preceptors

Program in Reproductive and Adult Endocrinology

41. Christopher D Lu

Global identification of Thyroid receptor binding sites in Xenopus during metamorphosis

Sidwell Friends School

Hometown: Bethesda, MD

Dr. Yun-Bo Shi, Preceptor

Laboratory of Gene Regulation and Development

42. Kirsten J Lum

Characterizing Menstrual Cycle Lengths of Women Planning Pregnancy
Johns Hopkins University
Hometown: Bethesda, MD
Dr. Rajeshwari Sundaram, Preceptor
Division of Epidemiology, Statistics and Prevention Research

43. Katie Martin

Characterization of Novel Small Molecule Inhibitors of Wnt Signaling in the Zebrafish Lateral Line System
University of Virginia
Hometown: Leesburg, VA
Dr. Ajay Chitnis, Preceptor
Laboratory of Molecular Genetics

44. Spyridon Mastroyannis

SDHB Mutations in a Patient with Metastatic Paraganglioma
Yale University
Hometown: Washington, DC
Dr. Constantine Stratakis,
Dr. Evi Xekouki, Preceptors
Program in Developmental Endocrinology and Genetics

45. Sabrina A Mathenia

Marketing strategies for food products in parenting magazines: health assertions and good parenting and consumer appeals
Saint Louis University
Hometown: Rockville, MD
Dr. Denise Haynie, Preceptor
Prevention Research (PR) Branch

46. Megan E Mathews

The Evaluation of Adjusted Median Comparisons on Skewed Data
The Pennsylvania State University
Hometown: Washington, DC
Dr. Zhiwei Zhang,
Dr. James F. Troendle, Preceptors
Division of Epidemiology, Statistics and Prevention Research

47. Brooke C Matson

Characterization of KDM3B, A Putative Histone Demethylase
College of William and Mary
Hometown: Richmond, VA
Dr. Mary Dasso,
Dr. Kara Lukasiewicz, Preceptors
Laboratory of Gene Regulation and Development

48. Lucas P McLaughlin

Dynamic Expression of VEGFC during Zebrafish Embryogenesis
St. Andrew's Episcopal School
Hometown: Potomac, MD

Dr. Brant Weinstein, Preceptor
Program in Genomics of Differentiation

49. Christie C Mead

Infant Twin Capuchin Monkeys: Development of Activity States, Social Behaviors, and Motor Activity

University of Michigan
Hometown: Wilmette, IL
Dr. Annika Paukner, Preceptor
Laboratory of Comparative Ethology

50. Sophia E Mendelson

Effects of Weight on Puberty Onset

Maret School
Hometown: Hyattsville, MD
Dr. Melissa Crocker,
Dr. Jack Yanovski, Preceptors
Program in Developmental Endocrinology and Genetics

51. Kristine M Molina

Predicting Depressive Symptoms among African American Pregnant Women

University of Michigan
Hometown: Medford, MA
Dr. Michele Kiely, Preceptor
Division of Epidemiology, Statistics and Prevention Research

52. Krishnasai K Nagineni

A Fast GPU-based Approach for Monte Carlo Modeling in Biophotonic Imaging

Northwest High School
Hometown: Germantown, MD
Dr. Jason Riley,
Dr. Amir Gandjbakhche, Preceptors
Program in Pediatric Imaging and Tissue Sciences

53. Naomi Nemoto

Organochlorine pesticide concentrations and time-to-pregnancy

Tulane University
Hometown: Novi, MI
Dr. Maureen Cooney,
Dr. Germaine B. Louis, Preceptors
Epidemiology (EPI) Branch

54. Nate A Parker

Generation of a ve-cadherin BAC Transgene for Vascular Expression in Zebrafish

Baldwin-Wallace College
Hometown: hendersonville, TN
Dr. Brant Weinstein,
Dr. Matthew Butler, Preceptors
Program in Genomics of Differentiation

55. Mary Pfeifer

When, Where & How Much: Signaling and Expression Dynamics in Shh & Gli1
University of Maryland
Hometown: Bethesda, MD
Dr. Sohyun Ahn,
Ms. Lindsay Hayes, Preceptors
Laboratory of Mammalian Genes and Development

56. Anna T Pham

Quantifying Collagen Density and Orientation with Micrometer Resolution across Cartilage Overexpressing β -catenin
University of Maryland, College Park
Hometown: Gaithersburg, MD
Dr. Edward L. Mertz, Preceptor
Section on Physical Biochemistry

57. Victoria Poon

Salt Inducible Kinase, a Novel Mechanism Limiting Corticotropin Releasing Hormone Transcription in Hypothalamic Neurons
John F. Kennedy High School
Hometown: Silver Spring, MD
Dr. Greti Aguilera, Preceptor
Program in Developmental Endocrinology and Genetics

58. Sergei A Pourmal

Mechanism of Intracellular Delivery of Macromolecules by Cationic Cell-Penetrating Peptides
Wesleyan University
Hometown: Champaign, IL
Dr. Leonid Chernomordik,
Dr. Kamran Melikov, Preceptors
Laboratory of Cellular and Molecular Neurophysiology

59. Aishwaryaa Pradhan

Investigation of Phosphorylation Requirement for UGT1A9 Activity
Briar Woods High School
Hometown: Ashburn, VA
Dr. Nikhil K. Basu,
Dr. Ida S. Owens, Preceptors
Program in Developmental Endocrinology and Genetics

60. Kevin J Pridham

*Identification and Characterization of Spontaneous Revertants that Restore Growth of the *sla1* Minus Strain in the Minimal Medium*
Loyola University Maryland
Hometown: Myersville, MD
Dr. Vera A. Cherkasova, Preceptor
Laboratory of Molecular Growth Regulation

61. Vipin G Reddy

Moving a Brain Atlas from MRI-Space to Photonic-Space
Oakton High School

Hometown: Fairfax, VA
Dr. Jason Riley,
Dr. Amir Gandjbakhche, Preceptors
Program in Pediatric Imaging and Tissue Sciences

62. Megan U Roosen-Runge

Malaria Infection as a Risk Factor for Preeclampsia in Africa
University of Washington
Hometown: Freeland, WA
Dr. Una Grewal,
Dr. Jun Zhang, Preceptors
Epidemiology (EPI) Branch

63. Leanne Sanders

Transition Modeling of Bacterial Vaginosis Data from the Longitudinal Study of Vaginal Flora
The Ohio State University
Hometown: Columbus, OH
Dr. Kai Yu,
Dr. Paul Albert, Preceptors
Biometry & Mathematical Statistics (BMS) Branch

64. Karen C Schliep

Self-Reported Intake of Caffeine: What is the Best Measurement Tool?
University of Utah
Hometown: Salt Lake City, UT
Dr. Enrique F. Schisterman, Preceptor
Endocrinology and Reproduction Research Branch

65. Eric J Shiroma

The association of adult height and gestational diabetes: a meta-analysis
Harvard School of Public Health
Hometown: Boston, MA
Dr. Cuilin Zhang, Preceptor
Epidemiology (EPI) Branch

66. Christia Angela M Sison

The relationship between chronic pelvic pain and endometriosis
Mount St. Mary's College
Hometown: Los Angeles, CA
Dr. Pamela Stratton, Preceptor
Program in Reproductive and Adult Endocrinology

67. David Thomas

Protamine Phosphorylation and its Impact on DNA Packaging
Princeton University
Hometown: North Potomac, MD
Dr. Nina Sidarova,
Dr. Don Rau, Preceptors
Program in Physical Biology

68. Aaron L Troy

Analyzing GLUT4 Translocation and Insulin Insensitivity In 3-Dimensional Tissue Culture

Melvin J. Berman Hebrew Academy

Hometown: Chevy Chase, MD

Dr. Vladimir A. Lizunov,

Dr. Joshua Zimmerberg, Preceptors

Laboratory of Cellular and Molecular Biophysics

69. Christine H Wang

The Relation Between Parental Separation Anxiety, Adolescent Adjustment, and Adolescent Perception of Parent-Child Relationships: The Moderating Role of Parenting Styles

Emory University

Hometown: Rockville, MD

Dr. Justin Jager, Preceptor

Laboratory of Comparative Ethology

70. Dennis Wang

The role of tolloid-related-1 (tlr) in axon guidance

Thomas Jefferson High School for Science and Technology

Hometown: Fairfax, VA

Dr. Mihaela Serpe, Preceptor

Cell Biology and Metabolism Program

71. Andrew Weinstein

Developing a tissue-specific translational profiling assay in zebrafish

Walt whitman High school

Hometown: Bethesda, MD

Dr. Kathryn Monzo,

Dr. Brant Weinstein, Preceptors

Program in Genomics of Differentiation

72. Alex Wendling

Vertical Movement in Larval Zebrafish

St. Olaf College

Hometown: Lyndon, KS

Dr. Harold Burgess, Preceptor

Laboratory of Molecular Genetics

73. Daranee Yongpradit

Variations in Prevalence of Adolescent Obesity and Overweight by Census Region and Population Density

University of California, Riverside

Hometown: Silver Spring, MD

Dr. Denise Haynie, Preceptor

Prevention Research (PR) Branch

74. Dawen Zhang

Measurement of action potential-dependent of Ca²⁺ Signals in Schwann Cells using a FRET-based, cameleon reporter

University of Illinois at Urbana-Champaign

Hometown: Lisle, IL
Dr. James T. Russell,
Ms. Lynne Holtzclaw, Preceptors
Section on Cell Biology and Signal Transduction

75. Michael Y Zhang

Oocyte Antigens Associated with Autoimmune Ovarian Disease
Montgomery Blair High School
Hometown: Gaithersburg, MD
Dr. Zhi-Bin Tong,
Dr. Alan H. DeCherney, Preceptors
Program in Reproductive and Adult Endocrinology

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

76. Alice M Abernathy

Probing the DNA binding activity of p53 through single molecule tracking
New College of Florida
Hometown: Naples, FL
Dr. Jim McNally,
Dr. Davide Mazza, Preceptors
Laboratory of Receptor Biology and Gene Expression

77. Adeoluwa E Adewuyi

Molecular Diagnosis of Xeroderma Pigmentosum
Prince George's Community College
Hometown: Lanham, MD
Dr. Kenneth H. Kraemer,
Dr. Sikandar Khan, Preceptors
Dermatology Branch

78. Sidra Ahsan

Growth and Selection of Primary Lung Tumors for Cancer Stem Cell Studies
Wayne State University
Hometown: Detroit, MI
Dr. Ana Robles,
Dr. Curt Harris, Preceptors
Laboratory of Human Carcinogenesis

79. Omair Akhtar

Internalization and Translocation of Tissue Inhibitor Metalloproteinase-2 into Porcine Aortic Endothelial Cells via $\alpha 3 \beta 1$ Integrin
Emory University
Hometown: Marietta, GA
Dr. Stetler Stevenson,
Dr. Matthew Rittler, Preceptors
Radiation Oncology Branch

80. Quentin K Akin

Size Dependent Cytokine Release from Murine Macrophages by Glycopeptide-Coated Gold Nanoparticles

Punahou School

Hometown: Honolulu, HI

Dr. Joseph J. Barchi,

Dr. Raymond P. Brinas, Preceptors

Laboratory of Medicinal Chemistry

81. Rita N Anu

Resistance to Chemotherapy and ABCB5

Prince George's Community College

Hometown: Bowie, MD

Dr. Michael Gottesman,

Dr. Jean-Pierre Gillet, Preceptors

Laboratory of Cell Biology

82. Amie A Atiyeh-Marks

There's Something Evil in the NMJ

Penn State University

Hometown: State College, PA

Dr. Elise Kohn,

Dr. Victoria M. Virador, Preceptors

Medical Oncology Branch and Affiliates

83. Camila Avila

Effects of proteasome inhibition on antigen dependent versus homeostatic proliferation

Florida Gulf Coast University

Hometown: Frederick, MD

Dr. Anil Shanker, Preceptor

Laboratory of Experimental Immunology

84. Joseph I Bailey

Alleviation of NRTI Induced Mitochondrial Toxicity

University of Chicago

Hometown: North Bethesda, MD

Dr. Miriam Poirier,

Dr. Yongmin Liu, Preceptors

Laboratory of Cancer Biology and Genetics

85. Leslie A Bilello

Clinical Spectrum of Trichothiodystrophy (TTD)

Georgetown University School of Medicine

Hometown: Highland Park, NJ

Dr. Kenneth H. Kraemer,

Dr. John DiGiovanna, Preceptors

Dermatology Branch

86. James Blum

Investigating Interactions of ThPok with Co-repressor HDAC1

Winston Churchill High School

Hometown: Potomac, MD

Dr. Remy Bosselut, Preceptor
Laboratory of Immune Cell Biology

87. Victoria S Brown

Methylation of Cervical Epithelium Related to HPV Infection
University of Miami Miller School of Medicine
Hometown: Gainesville, FL
Dr. Stephen M. Hewitt,
Dr. Joon-Yong Chung, Preceptors
Laboratory of Pathology

88. Sean Burn

Localization of wnt5a in the Developing Mouse Kidney
American University
Hometown: Washington, DC
Dr. Kangsun Yun, Preceptor
Cancer and Developmental Biology Laboratory

89. Andrea V Carnie

Mechanisms Through Which Oncogenic Kras Induces the Overexpression of Immunosuppressive Cytokines TGF β 1 and IL-10
Oberlin College
Hometown: Bethesda, MD
Dr. Samir Khleif, Preceptor
Vaccine Branch

90. Maria D Castano

Effect of oxygen and glucose deprivation on proline oxidase expression
Northeastern University
Hometown: Jamaica Plain, MA
Dr. James Phang,
Dr. Liu Wei, Preceptors
Laboratory of Comparative Carcinogenesis

91. Mike Cato

Exploration of Binding Modes Between p300 and Chetomin by Zinc Ejection Using Computational Methods
Jackson State University
Hometown: Southfield, MI
Dr. Marc Nicklaus,
Dr. Marc Nicklaus, Preceptors
Laboratory of Medicinal Chemistry

92. Carmen K Chan

Homeostatic Cytokines in T-cell Populations
University of Virginia
Hometown: McLean, VA
Dr. Frances T. Hakim, Preceptor
Experimental Transplantation and Immunology Branch

93. Wilson Chan

Determining whether hcasz5 is a myoblasts fate-determination gene

Thomas S. Wootton High School

Hometown: Rockville, MD

Dr. ZhiHui Liu, Preceptor

Pediatric Oncology Branch

94. Lucas M Chang

Applications of Molecular Interaction Maps

Cornell University

Hometown: Potomac, MD

Dr. Kurt W. Kohn,

Dr. Mirit I. Aladjem, Preceptors

Laboratory of Molecular Pharmacology

95. Sarah M Chang

Designing Mouse Beds for Longitudinal Studies in Multimodality Imaging

Stanford University

Hometown: Potomac, MD

Dr. Peter L. Choyke,

Mr. Marcelino Bernardo, Preceptors

Molecular Imaging Program

96. Tania Chatterjee

TIMP-2 Overexpression Alters the Transcriptional Profile of Human Adenocarcinoma A549 Cells

University of Maryland, Baltimore County

Hometown: Derwood, MD

Dr. William G. Stetler-Stevenson,

Dr. Dimitra Bourboulia, Preceptors

Radiation Oncology Branch

97. Amy X Chen

Engineering folate receptor- β specific diabodies: potential treatment for arthritis and leukemia

University of Maryland

Hometown: Frederick, MD

Dr. Dimiter Dimitrov,

Dr. Yang Feng, Preceptors

CCR Nanobiology Program

98. Liting Chen, Moez Dawood, Henna Nandwani, Jaclyn Yang, Deanna Zhu

High-throughput cryo-electron tomography: Catching HIV in the act

University of Michigan

William Fremd High School

McLean High School

Holmdel High School

Thomas Jefferson High School

Hometown: Bethesda, MD

Chevy Chase, MD

Vienna, VA

McLean, VA

McLean, VA
Dr. Sriram Subramaniam, Preceptor
Laboratory of Cell Biology

99. Savannah L Cheo

DNA methylation enhances DNA binding of C/EBP α
Montgomery Blair High School
Hometown: Kensington, MD
Dr. Charles R. Vinson, Preceptor
Laboratory of Metabolism

100. Monica M Cho

Impact of Allogeneic BMT on Immune Reconstitution and Cytokine Production
Winston Churchill High School
Hometown: Potomac, MD
Dr. Terry Fry,
Dr. Christian Capitini, Preceptors
Pediatric Oncology Branch

101. Rohini Choudhuri

Different Types of DNA Lesions Assayed in Whole Mouse Blood by Comet Assay
Winston Churchill High School
Hometown: Potomac, MD
Dr. William Bonner,
Dr. Palak Parekh, Preceptors
Laboratory of Molecular Pharmacology

102. Hannah A Cooper

New Function of EphrinB2 in Endothelial Cells
Amherst College
Hometown: Bethesda, MD
Dr. Ombretta Salvucci,
Dr. Giovanna Tosato, Preceptors
Laboratory of Cellular Oncology

103. Suanur M Cureoglu

Rapamycin prolongs survival in Mouse Models of mutant EGFR-driven Lung Adenocarcinoma
University of Minnesota- Twin Cities
Hometown: Falcon Heights, MN
Dr. Phillip A. Dennis, Preceptor
Medical Oncology Branch and Affiliates

104. Michael G Daniel

Inflammation: The Link Between the Loss of TGF-Beta Signalling and Cancer
University of California, Los Angeles
Hometown: Bethesda, MD
Dr. Li Yang, Preceptor
Laboratory of Cancer Biology and Genetics

105. Ricklie A Davis

miR-26 and NFkB Signaling Play an Essential Role in the Response of a Subtype of Hepatocellular Carcinoma to Interferon Alpha

George Washington University School of Medicine
Hometown: Washington, DC

Dr. Xin W. Wang,

Dr. Junfang F. Ji, Preceptors

Laboratory of Human Carcinogenesis

106. Christina DiFabio

Identifying Modifier Genes of MPNSTs in the Nf1;p53cis Mouse Model of Neurofibromatosis Type 1.

Tuscarora High School

Hometown: Frederick, MD

Dr. Karlyne Reilly, Preceptor

Mouse Cancer Genetics Program

107. Joseph G Dolan

Targeting FOXM1 transcription factor in Rhabdomyosarcoma

University of Washington

Hometown: Laramie, WY

Dr. Lee J. Helman,

Dr. Xiaolin Wan, Preceptors

Pediatric Oncology Branch

108. Andrew J Duffy

Quantitative Analysis of the Role of Surface Adhesion in Amoeboid Cell Migration

St. Albans School

Hometown: Bethesda, MD

Dr. Carole A. Parent, Preceptor

Laboratory of Cellular and Molecular Biology

109. Nora Eccles

Identification of Novel Human Papillomavirus Species

Maret School

Hometown: Chevy Chase, MD

Dr. Diana Pastrana,

Dr. Chris Buck, Preceptors

Laboratory of Cellular Oncology

110. Esther E Ekpin

The Anti-tumor Cell Growth Effect of Akt-Inhibitor Perifosine on Neuroblastoma

Howard University

Hometown: Brooklyn, NY

Dr. Carol Thiele,

Dr. Zhijie Li, Preceptors

Pediatric Oncology Branch

111. Amelia C Ettinger

Expression and Regulation of Homing Marker Integrin alpha 4 beta 7 on T-lymphocytes from Macaques Vaccinated by Various Mucosal Routes with Adenovirus-HIV recombinants

St. Mary's College of Maryland
Hometown: North Potomac, MD
Dr. Marjorie Robert-Guroff,
Dr. Thorsten Demberg, Preceptors
Vaccine Branch

112. Justin D Evans

Functionalized gold nanoparticles for targeted therapy of HER2-positive breast cancers
Fayetteville State University
Hometown: Indianapolis, IN
Dr. Jacek Capala, Preceptor
Radiation Oncology Branch

113. Herman W Fennell

Targeting HER1 and HER2 for Targeted Radiation Therapy
Howard University
Hometown: Silver Spring, MD
Dr. Martin Brechbiel,
Ms. Diane Milenic, Preceptors
Radiation Oncology Branch

114. Elena V Fernandez

Pharmacogenetics in Anticancer Therapy
University of Mary Washington
Hometown: Vienna, VA
Dr. William D. Figg,
Dr. Tristian M. Sissung, Preceptors
Laboratory of Molecular Pharmacology

115. Scott A Flipping

Cancer cells modulate tumor microenvironment by releasing exosomes
University of Maryland Eastern Shore
Hometown: Capitol Heights, MD
Mr. Marco Mineo, Preceptor
Medical Oncology Branch and Affiliates

116. Anthony M Fox

The Significance of the Transmembrane Domain of Cue1p in Yeast ERAD
University of Maryland
Hometown: New Windsor, MD
Dr. Meredith B. Metzger, Preceptor
Laboratory of Protein Dynamics and Signaling

117. Rebecca A Friedland

Characterization of Autophagy Regulating Proteins
Colgate University
Hometown: Potomac, MD
Dr. Srinivasa M. Srinivasula,
Dr. Akiko Kimura, Preceptors
Laboratory of Immune Cell Biology

118. Qi Fu

Detecting changes in chromatin accessibility and transcription factor binding induced by TrichostatinA and 5-Aza-2'-Deoxycytidine.

The Ohio State University

Hometown: Hamilton, OH

Dr. Gordon Hager,

Dr. Malgorzata Wiench, Preceptors

Gene Regulation and Chromosome Biology Laboratory

119. Stephanie P Galarza

Investigating the Interaction between Smurf2 and Smad3

Yale University

Hometown: Woodbridge, VA

Dr. Ying Zhang,

Dr. Liu-Ya Tang, Preceptors

Laboratory of Cellular and Molecular Biology

120. Clara M Gomez

A Multi-modality Molecular Analysis of Breast Cancer

University of Maryland

Hometown: Silver Spring, MD

Dr. Donald J. Johann,

Dr. Sumana Mukherjee, Preceptors

Medical Oncology Branch and Affiliates

121. Ezra Hackett

Cell Death Mechanisms Resulting from Anti-cancer Treatments in Human Non-Small Cell Lung Cancer

Howard University

Hometown: Gainesville, VA

Dr. King Kwong, Preceptor

Surgery Branch

122. Shing Han

Determining Areas of Interest in H & E Stains

UMD College Park

Hometown: Gaithersburg, MD

Dr. Stephen M. Hewitt, Preceptor

Laboratory of Pathology

123. Clark M Hatheway

The Effects of Mutations of the Adaptor Protein BAM32 on ERK Activation in T Lymphocytes

Middlebury College

Hometown: Chevy Chase, MD

Dr. Alexandre K. Rouquette-Jazdanian,

Dr. Lawrence E. Samelson, Preceptors

Laboratory of Cellular and Molecular Biology

124. Heidi A Hempel

Whole Exome Analysis of Rhabdomyosarcoma using Next Generation Sequencing

Techniques

University of Maryland
Hometown: Gaithersburg, MD
Dr. Javed Khan,
Ms. Catherine Tolman, Preceptors
Pediatric Oncology Branch

125. Meghan S Hughes

Preliminary Immunogenicity and Safety of TARP Peptide Vaccination in Men with Stage D0 Prostate Adenocarcinoma
Brown University
Hometown: Chevy Chase, MD
Dr. Lauren V. Wood, Preceptor
Vaccine Branch

126. Taisha S Husbands

Understanding the Role of Tyrosyl-DNA Phosphodiesterase 1 (TDP1) in the Repair of Topoisomerase 1 (TOP1) Induced DNA Damage
All Saints Cathedral School
Hometown: Bethesda, MD
Dr. Benu B. Das, Preceptor
Laboratory of Molecular Pharmacology

127. Shelly Hwang

Overlapping Functions of CLIC1 and CLIC4 in Skin Keratinocytes
Dickinson College
Hometown: Gaithersburg, MD
Dr. Stuart H. Yuspa,
Dr. Padmakumar Velayuthan, Preceptors
Laboratory of Cancer Biology and Genetics

128. Eseigboria J Ikheloa

Cloning Chimeric Complex of Arf GAP and Arf
Sherwood High School
Hometown: Olney, MD
Dr. Paul Randazzo, Preceptor
Laboratory of Cellular and Molecular Biology

129. Osazode O Imoisili

Quality assessment of formalin-fixed paraffin-embedded DNA for whole genome amplification and array CGH
Centennial High School
Hometown: Gaithersburg, MD
Dr. Daniel Edelman,
Dr. Holly Stevenson, Preceptors
Genetics Branch

130. Shelley Jin

Examining Interaction Between CD47 and VEGFR2
Montgomery Blair High School
Hometown: North Potomac, MD

Dr. David Roberts,
Dr. Sukhbir Kaur, Preceptors
Laboratory of Pathology

131. Christina N Johnson

Optimization of Kaposi sarcoma herpesvirus-infected monocyte-derived dendritic cell co-cultures with autologous T cells.

Howard University
Hometown: Washington, DC
Dr. Denise Whitby,
Dr. Nazzarena Labo, Preceptors
AIDS and Cancer Virus Program

132. Laura E Jones

Optimized Molecular Profiling of Archival Pathology Samples

Eleanor Roosevelt High School
Hometown: Cheverly, MD
Dr. Keith Killian,
Dr. Paul Meltzer, Preceptors
Genetics Branch

133. Nargis S Jordan

FOXA3 Plays an Important Role in Tumorigenicity and Metastasis of Pancreatic Cancer

Trinity University
Hometown: Laurel, MD
Dr. Geng Zhang,
Dr. Perwez Hussain, Preceptors
Laboratory of Human Carcinogenesis

134. Bernard J Koch

Contaminant Detection in Next Generation Sequencing Data

Swarthmore College
Hometown: Chevy Chase, MD
Dr. Sean Davis,
Dr. Sven Bilke, Preceptors
Genetics Branch

135. Komal Kothari

Pharmacological modulation of repressive histone methylation to improve epigenetic reactivation of p15INK4b

Columbia University
Hometown: Edison, NJ
Dr. Thomas Paul,
Dr. Linda Wolff, Preceptors
Laboratory of Cellular Oncology

136. Abdul M Kouanda

Transient Transfections using BacMam System to Determine Changes in Cytoplasmic Metabolite Concentrations of Cancer Cell Lines Over Expressing P-Glycoprotein

Emory University
Hometown: Brooklyn, NY

Dr. Suneet Shukla,
Dr. Suresh Ambdukar, Preceptors
Laboratory of Cell Biology

137. Matthew S Kreitman

GSTP1 Promoter Methylation in the Prostate Cancer Microenvironment
Yeshiva University
Hometown: Potomac, MD
Dr. Jaime Rodriguez-Canales,
Dr. Michael Emmert-Buck, Preceptors
Laboratory of Pathology

138. Rebecca P Krosnick

Implementing the tensor scale for use in medical imaging
Poolesville High School
Hometown: Montgomery Village, MD
Dr. Robert W. Miller,
Dr. Ying Zhuge, Preceptors
Radiation Oncology Branch

139. Curtis R Lacy

MIF is associated with poor prognosis in pancreatic cancer
University of California, Irvine
Hometown: Hemet, CA
Dr. Perwez Hussain, Preceptor
Laboratory of Human Carcinogenesis

140. Jennifer Larmore

Mutations affecting amino acid residues involved in the interaction between ClpX and ClpP in E. coli
Lake- Sumter Community College
Hometown: Clermont, FL
Dr. Michael Maurizi, Preceptor
Laboratory of Cell Biology

141. Maureen Lei

Evaluation of apomab in Ewing's sarcoma
Montgomery Blair High School
Hometown: Potomac, MD
Dr. Liang Cao, Preceptor
Genetics Branch

142. Steven Leung

Effects of Manipulating Optineurin Levels in Cells
University of Pennsylvania
Hometown: Lexington, MA
Dr. Jonathan Ashwell,
Dr. Ivana Munitic, Preceptors
Laboratory of Immune Cell Biology

143. Samuel Li

Targeted delivery of antisense PNA-liposomal conjugate against the HER2 oncogene
Wesleyan University
Hometown: North Potomac, MD
Dr. Javed Khan, Preceptor
Pediatric Oncology Branch

144. Wenting Ma

Towards Understanding the Cellular Function of TMEM205
Montgomery Blair High School
Hometown: Rockville, MD
Dr. Di Xia, Preceptor
Laboratory of Cell Biology

145. Cynthia Mahesh

Chemotherapy-induced activation of Notch pathway leads to resistance in lung cancer
Lake Brantley High School
Hometown: Altamonte Springs, FL
Dr. Chi-Ping Day,
Dr. Glenn Merlino, Preceptors
Laboratory of Cancer Biology and Genetics

146. Juliana Mariani

Pharmacodynamic preclinical study of AZD2281, a PARP inhibitor, in wild type and BRCA-deficient cell lines.
Georgetown University School of Medicine
Hometown: Washington, DC
Dr. Elise Kohn,
Dr. John Hays, Preceptors
Medical Oncology Branch and Affiliates

147. Taylor H Martin

Making Humans Vitamin A Independent
Bucknell University
Hometown: Bethesda, MD
Dr. Sankar Adhya,
Dr. Dale Lewis, Preceptors
Laboratory of Molecular Biology

148. Andrew J Maxwell

The Association of BAMBI and MACC1 Expression with Colon Adenocarcinoma
UC Berkeley
Hometown: Glendale, CA
Dr. Aaron Schetter,
Dr. Curtis C. Harris, Preceptors
Laboratory of Human Carcinogenesis

149. Lynne McIntyre

An Exploratory Study of the Characteristics of and Challenges for International Families Seeking Medical Care in the United States: Preliminary Data
Catholic University of America
Hometown: Washington, DC

Dr. Lori Wiener, Preceptor
Pediatric Oncology Branch

150. Allison M Meadows

*Visualizing Protein Interactions in T Cells Using Bimolecular Fluorescence
Complementation*

Stone Bridge High School
Hometown: Ashburn, VA
Dr. Lawrence E. Samelson,
Dr. Lakshmi Balagopalan, Preceptors
Laboratory of Cellular and Molecular Biology

151. Alyssa-Claire T Mendoza

*Proximity Ligation Assay for the Interaction between Prolactin Receptor Isoforms in
Breast Cancer Cell Lines*

Thomas Jefferson High School for Science and Technology
Hometown: Fairfax, VA
Dr. Paul K. Goldsmith, Preceptor
Basic Research Laboratory-Bethesda

152. Luhe Mian

Functional Regulation of Chromosome 8p Tumor Suppressor Genes in Liver Cancer

University of Virginia
Hometown: Virginia Beach, VA
Dr. Xin Wei Wang,
Dr. Stephanie Roessler, Preceptors
Laboratory of Human Carcinogenesis

153. Carmen G Minsal

*Optimization of whole-genome amplification of formalin-fixed paraffin-embedded tumor
DNA for array CGH*

St.Marks School
Hometown: Gaithersburg, MD
Dr. Daniel Edelman,
Dr. Holly Stevenson, Preceptors
Genetics Branch

154. Mariya Mirvis

In situ localization of follicular lymphoma: analysis by fluorescence in situ hybridization

University of Maryland
Hometown: North Potomac, MD
Dr. Svetlana D. Pack, Preceptor
Laboratory of Pathology

155. Kevin J Misner

*Validation and Annotation of Variants Identified by High Throughput Sequencing of
Tumor Genomes*

Hood College
Hometown: Walkersville, MD
Mr. Michael L. Nickerson,
Dr. Michael Dean, Preceptors

Cancer Inflammation Program

156. Adam J Money

Identification of Long Label Retaining Cells in Human Cancer Cell Lines

Yale University

Hometown: Greenwood, IN

Dr. Robert D. Bruno,

Dr. Gilbert H. Smith, Preceptors

Mammary Biology and Tumorigenesis Laboratory

157. Nosheen Moosvi

Characterizing Modifier Genes of MPNSTs in the Nf1;p53cis Mouse Model of NF1

Urbana High School

Hometown: Frederick, MD

Dr. Karlyne Reilly, Preceptor

Mouse Cancer Genetics Program

158. Elizabeth L Morse

Effects of IL7 on In Vitro Dendritic Cell Culture

Winston Churchill High School

Hometown: Potomac, MD

Dr. Crystal L. Mackall, Preceptor

Pediatric Oncology Branch

159. Chris Neumann

An EM Examination of Apoptotic Cell Death of hESC and EWS Tumor Stem Cells Following Irradiation

Landon School

Hometown: Potomac, MD

Dr. Maria Tsokos, Preceptor

Laboratory of Pathology

160. Isabella F Newton

Studying the Function of CK2 in the Regulation of Bmi1 and Cell Proliferation using RNAi

Governor Thomas Johnson High School

Hometown: Frederick, MD

Dr. Karlyne Reilly, Preceptor

Mouse Cancer Genetics Program

161. Juliette I Nwagbara

Quantification of CPG methylation affects transcription factor binding

University of North Texas

Hometown: Bethesda, MD

Dr. Charles Vinson, Preceptor

Laboratory of Metabolism

162. Phillip E Nwosu

Identification of Amplified DNA in Double Minutes

Bullis School

Hometown: Derwood, MD

Dr. Nicole E. McNeil,
Dr. Hesus M. Padilla-Nash, Preceptors
Genetics Branch

163. Charlotte Oliver

LTB₄ signal relay during neutrophil chemotaxis
McGill University
Hometown: Kensington, MD
Dr. Carole A. Parent, Preceptor
Laboratory of Cellular and Molecular Biology

164. Lyra B Olson

Conditional deletion of the DLC1 tumor suppressor gene in mouse embryo fibroblasts leads to cell transformation
Choate Rosemary Hall
Hometown: Middlebury, CT
Dr. Doug Lowy,
Dr. Xiaolan Qian, Preceptors
Laboratory of Cellular Oncology

165. Joshua N Omade

The identification of novel molecular targets in cancer using RNAi screens of 160 human phosphatase genes
Eleanor Roosevelt High School
Hometown: Bowie, MD
Dr. Natasha Caplen,
Dr. Lihui Ou, Preceptors
Genetics Branch

166. Nauramy Osefo

Pituitary adenylate cyclase activating polypeptide causes tyrosine phosphorylation on EGF receptors in lung cancer cells
Temple University School of Pharmacy
Hometown: Baltimore, MD
Dr. Terry W. Moody, Preceptor
Basic Research Laboratory-Bethesda

167. Kayla Otto

Effect of polymorphisms in IRF7 gene on disease progression in HIV infection
Virginia Polytechnic Institute and State University
Hometown: Williamsburg, VA
Dr. Smita Kulkarni,
Ms. Sara Bass, Preceptors
Cancer Inflammation Program

168. James Pan

Molecular and functional characterization of the ABCB1 common haplotype in recombinant LLC-PK1 cells
Carnegie Mellon University
Hometown: Bethesda, MD
Dr. Michael Gottesman,

Dr. Andy Fung, Preceptors
Laboratory of Cell Biology

169. Simona Patange

Addicted to Ran: Measuring cancer cell dependency on the RanGTP gradient with FLIM-FRET microscopy

Portland State University
Hometown: Washington, DC
Dr. Petr Kalab, Preceptor
Laboratory of Cellular and Molecular Biology

170. Daniel M Peaceman

Alterations in the activation of thymidine kinase-1 induced by the antiretroviral zidovudine (AZT) could be reverted by the hypo-methylating agent 5-Azacytidine.

The George Washington University
Hometown: Washington, DC
Dr. Ofelia A. Olivero, Preceptor
Laboratory of Cancer Biology and Genetics

171. Chengwei Peng

R-spondin 2 Regulation of Wnt-Dependent Gene Expression

Rice University
Hometown: Nashville, TN
Dr. Jeff Rubin, Preceptor
Laboratory of Cellular and Molecular Biology

172. Subha Perni

Functional analysis of a p53 isoform, delta133p53

Princeton University
Hometown: West Bloomfield, MI
Dr. Izumi Horikawa,
Dr. Curt Harris, Preceptors
Laboratory of Human Carcinogenesis

173. Candice D Perry

Assessment of HER2 and ER using novel protein array in FFPE breast cancer tissue

Jackson State University
Hometown: Jackson, MS
Dr. Stephen M. Hewitt,
Dr. Joon Chung, Preceptors
Laboratory of Pathology

174. Tuyen N Phung

Determination of transcription factor hcas5's role in regulating cell signal pathway to suppress tumor growth

Fairfax High School
Hometown: Fairfax, VA
Dr. ZhiHui Liu,
Dr. Carol Thiele, Preceptors
Pediatric Oncology Branch

175. Margaret R Pruitt

Constitutive mTOR Inhibition Affects Immune System Function

Duke University

Hometown: Silver Spring, MD

Dr. Beverly Mock,

Dr. Shuling Zhang, Preceptors

Laboratory of Cancer Biology and Genetics

176. Renee Qian, David Hou

Infrastructure for High Throughput Screening of Gene Localization in Cancer

Northwestern University

Winston Churchill High School

Hometown: Frederick, MD

Frederick, MD

Dr. Stephen J. Lockett,

Dr. Kaustav Nandy, Preceptors

NCI-Frederick, Office of the Director

177. Jesse R Qualliotine

Regulation of Viral Expression and Replication by the HTLV-1 p13 Protein

Columbia University

Hometown: Fairfax, VA

Dr. Genoveffa Franchini,

Dr. Cynthia A. Masison, Preceptors

Vaccine Branch

178. Sridevi Ramalingam

Effects of Akt inhibitor MK-2206 on Neuroblastoma cell survival

Wright State University

Hometown: Bethesda, MD

Dr. Carol Thiele, Preceptor

Pediatric Oncology Branch

179. Paul Randazzo

Processing and Trafficking of Granulysin

University of Maryland, College Park

Hometown: Potomac, MD

Dr. Carol Clayberger, Preceptor

Laboratory of Cellular and Molecular Biology

180. Prashant A Rao

Mechanism of Recycling and Degradation of Multi-Drug Resistance-Linked P-glycoprotein (ABCB1)

Univ. of Maryland CP

Hometown: Silver Spring, MD

Dr. Shinobu Ohnuma,

Dr. Suresh V. Ambudkar, Preceptors

Laboratory of Cell Biology

181. Leslie A Rea

Sequence Determinants for the Recognition and Degradation of the Bacterial Tubulin

Homolog, FtsZ, by the ATP-dependent ClpXP Protease
Harvard University
Hometown: Alexandria, VA
Dr. Sue Wickner, Preceptor
Laboratory of Molecular Biology

182. Benjamin L Reiter

The Effect of Rituximab on Serum Immunoglobulin Levels in Patients with Newly Diagnosed Diffuse Large B-cell Lymphoma and Burkitt Lymphoma Undergoing Immunochemotherapy
University of California: San Diego
Hometown: Palo Alto, CA
Dr. Wyndham Wilson,
Dr. Kieron Dunleavy, Preceptors
Metabolism Branch

183. Dillon H Robinson

Genetic Variation in miRNA Networks and Lung Cancer Risk in African Americans
University of Georgia
Hometown: Crystal Springs, MS
Dr. Curtis Harris,
Dr. Brid Ryan, Preceptors
Laboratory of Human Carcinogenesis

184. Alex M Rosenberg

Novel Tissue Microdissection Technique for Molecular Analysis
University of Pennsylvania
Hometown: Gaithersburg, MD
Dr. Michael Emmert-Buck,
Dr. Michael Tangrea, Preceptors
Laboratory of Pathology

185. Kathryn G Rozen-Gagnon

A genetic approach for finding proteins involved in bacterial sRNA regulation
Barnard College
Hometown: Seattle, WA
Dr. Susan Gottesman, Preceptor
Laboratory of Molecular Biology

186. Laura Russell

The Role of Tweak and the Tweak Receptor in Bone Metastasis in Prostate Cancer
University of Maryland at College Park
Hometown: Mechanicsville, MD
Dr. Juan Yin, Preceptor
Cell and Cancer Biology Branch

187. Andrew J Sacks

T-cell specific expression of Ikaros-7 impairs T cell development and homeostasis
Towson University
Hometown: Potomac, MD
Dr. Hyun Park, Preceptor

Experimental Immunology Branch

188. Melody P Sahar-Khiz

Dual DNA/RNA extraction from formalin-fixed paraffin embedded tissues

Wilde Lake High School

Hometown: Gaithersburg, MD

Dr. Daniel Edelman, Preceptor

Genetics Branch

189. Margo I Santiago

Determining the Effects of Tissue Inhibitor of Metalloproteinase on Lewis-Lung Cancer Cells in vitro

St. Mary's College of Maryland

Hometown: Columbia, MD

Dr. Liliana Guedez,

Dr. William G. Stetler-Stevenson, Preceptors

Radiation Oncology Branch

190. Akanksha Saxena

Using DNA Molecular Combing and Fluorescence in situ Hybridization (FISH) to Study Specific Genomic DNA Regions during Replication

Monroe Township High School

Hometown: Monroe Township, NJ

Dr. Mirit I. Aladjem,

Dr. Haiqing Fu, Preceptors

Laboratory of Molecular Pharmacology

191. Anisha Sehgal

Blockade of CD47 enhances macrophage mediated cytotoxicity of irradiated cancer cells

Cherry Hill High School East

Hometown: Cherry Hill, NJ

Dr. David Roberts,

Dr. David Soto-pantoja, Preceptors

Laboratory of Pathology

192. Shandiz Shahbazi

Disruption of the Hypoxia-inducible Factor-1 alpha (HIF-1 alpha)/p300 complex by several ETPs

University of Maryland

Hometown: Oak Hill, VA

Dr. William Figg,

Dr. Kelie Reece, Preceptors

Medical Oncology Branch and Affiliates

193. Andi Shahu

Investigating the Impact of Microtubule Inhibitors on EWS-FLI1 Trafficking

Johns Hopkins University

Hometown: Bethesda, MD

Dr. Lee J. Helman,

Dr. Patrick J. Grohar, Preceptors

Pediatric Oncology Branch

194. Mengge Shan

Progressive Loss of RUNX1 Facilitates the TGF-beta Dependent "Metastatic Switch" in MCF10A Derived Cell Lines

University of Maryland

Hometown: Clarksburg, MD

Dr. Misako Sato, Preceptor

Laboratory of Cancer Biology and Genetics

195. Shaefali Shandilya

Pediatric Brainstem Gliomas: A Morphological and Molecular Evaluation

Brandeis University

Hometown: Bethesda, MD

Dr. Carl Oberholtzer,

Dr. Martha M. Quezado, Preceptors

Laboratory of Pathology

196. Marica Sharashenidze

A mechanistic rationale for MEK inhibition in multiple myeloma

Richard Montgomery High School

Hometown: kensington, MD

Dr. Christina Annunziata, Preceptor

Medical Oncology Branch and Affiliates

197. Yilan Shi

Towards In Vitro Reconstitution of Ran-induced Mitotic Spindle Assembly

University of California, Los Angeles

Hometown: Fremont, CA

Dr. Petr Kalab, Preceptor

Laboratory of Cellular and Molecular Biology

198. Michael J Shlossman

Functional Dissection of N-Terminal and CATD Domains of Human Cenp-A.

Virginia Tech

Hometown: Lorton, VA

Dr. Yamini Dalal,

Dr. Minh Bui, Preceptors

Laboratory of Receptor Biology and Gene Expression

199. Karen J Shou

Cell Migration in Cocultures of Breast Cancer Cells and Fibroblasts

Virginia Commonwealth University

Hometown: Herndon, VA

Dr. Christina H. Stuelten, Preceptor

Cell and Cancer Biology Branch

200. Brittany A Simone

MicroRNA Regulation of Radiation-Induced Fibrosis

Touro College of Osteopathic Medicine

Hometown: New York, NY

Dr. Nicole L. Simone, Preceptor

Radiation Oncology Branch

201. Eleanor R Simpson

Quantitative Pathology-Based Quality Assurance Protocols for a Cancer Tissue Biobank

Thomas S Wootton

Hometown: North Potomac, MD

Dr. Chand Khanna, Preceptor

Pediatric Oncology Branch

202. Haley Simpson

Characterization of Bone Marrow Microenvironment in Multiple Myeloma

University of North Carolina at Chapel Hill

Hometown: Albertson, NC

Dr. Ola Landgren,

Dr. Pamela Robey, Preceptors

Medical Oncology Branch and Affiliates

203. Carmen J Smith

Differential Expression Profiling of MicroRNA and their Association with Survival in Different Human Cancer Types

University of Iowa

Hometown: Iowa City, IA

Dr. Curtis C. Harris,

Dr. Ewy A. Mathe, Preceptors

Laboratory of Human Carcinogenesis

204. Shelby P Smith

Dedifferentiation Induced by TGF- β and Nodal Targets Cell Growth in Advanced Melanoma

Vanderbilt University

Hometown: Silver Spring, MD

Dr. Julio Valencia, Preceptor

Laboratory of Cell Biology

205. Sabina Sood

Measuring Histone Variant H2A.Z Dynamics at Budding Yeast Promoters to Determine Mechanisms Involved in Nucleosome Eviction and Reassembly

Massachusetts Institute of Technology

Hometown: Bethesda, MD

Dr. Ed Luk, Preceptor

Laboratory of Biochemistry and Molecular Biology

206. Bo Sun

New Perspectives on TGF-beta Signaling and Tumor Progression

Duke University

Hometown: Germantown, MD

Dr. Li Yang, Preceptor

Laboratory of Cancer Biology and Genetics

207. Leena A Suthar

The Effects of Tariquidar on the Pharmacokinetics of Docetaxel

Cornell University
Hometown: Lewistown, PA
Dr. William D. Figg, Preceptor
Medical Oncology Branch and Affiliates

208. Abisola Tepede

Effect of NSC73306 in recombinant LLC-PK1 cells expressing ABCB1 and its common haplotype

University of Illinois Urbana-Champaign
Hometown: Bethesda, MD
Dr. King-Leung Fung, Preceptor
Laboratory of Cell Biology

209. Sara Tesfazghi

Mapping out conformational changes associated with the catalytic cycle of P-glycoprotein (ABCB1): Use of cysteine residue cross-linking approach

Georgia State University
Hometown: Atlanta, GA
Dr. Suresh V. Ambudkar,
Dr. Jaya Bhatnagar, Preceptors
Laboratory of Cell Biology

210. Cameron L Thomas

Effect of Increased Timp2 Expression on A549 Lung Cancer Cells Using a Tet-On System

Abbingdon Senior High School
Hometown: Willow Grove, PA
Dr. William G. Stetler-Stevenson, Preceptor
Radiation Oncology Branch

211. Soraya E Toghani

Identification of Critical Residues in a Bacterial Morphogenetic Protein

University of Texas at Austin
Hometown: Houston, TX
Dr. Kumaran S. Ramamurthi, Preceptor
Laboratory of Molecular Biology

212. Kiran K Toor

Inhibition of radiation skin fibrosis with Imatinib

C.D. Hylton High School
Hometown: Woodbridge, VA
Dr. Deborah Citrin, Preceptor
Radiation Oncology Branch

213. Angie M Torres-Adorno

A Novel Function of Co-Chaperone BAG3 in Cellular Division

University of Puerto Rico at Bayamon
Hometown: Bethesda, MD
Dr. Elise Kohn,
Dr. Andrea K. McCollum, Preceptors
Medical Oncology Branch and Affiliates

214. Jerry C Tsao

Functional screening for oncogenes regulating breast cancer progression

University of California Los Angeles

Hometown: Cupertino, CA

Dr. Maxwell Lee,

Dr. Mitsukata Kadota, Preceptors

Laboratory of Population Genetics

215. Yodit M Tsegaye

Study of the Interaction between Proteins Involved in an E. coli Stress Response: RssB and IraM

University of Maryland, College Park

Hometown: Bowie, MD

Dr. Susan Gottesman,

Dr. Aurelia Battesti, Preceptors

Laboratory of Molecular Biology

216. Millicent Twumasi

Construction Of A Clinically Oriented Pharmacology Database

Texas Womans University

Hometown: silver spring, MD

Dr. William Reinhold, Preceptor

Laboratory of Molecular Pharmacology

217. Zaheer Valivullah

Probing the Role of p15Ink4b in the Differentiation of Hematopoietic Progenitors

University of Maryland, College Park

Hometown: Bethesda, MD

Dr. Rita Humeniuk,

Dr. Linda Wolff, Preceptors

Laboratory of Cellular Oncology

218. Mudit Verma

Molecular Cloning and Purification of Mammalian Genes

Clarksburg High School

Hometown: Clarksburg, MD

Dr. Jing Huang, Preceptor

Laboratory of Cancer Biology and Genetics

219. Josephine B Vincent

A comparison of methods of preparation of monocyte-derived dendritic cells

New York Medical College

Hometown: East Lyme, CT

Dr. Samir Khleif, Preceptor

Vaccine Branch

220. Maria D Vitery

Role of the M-domain of ClpB/Hsp104 in DnaK/Hsp70 specificity.

University of Maryland, Baltimore County

Hometown: rockville, MD

Dr. Sue Wickner, Preceptor
Laboratory of Molecular Biology

221. Cristina Vo

Targeting the Canonical Apoptosis Core Pathway in Esophageal Cancer
Rutgers University
Hometown: Jersey City, NJ
Dr. King Kwong, Preceptor
Surgery Branch

222. Eric L Wan

Cloning and Expression of a Fluorescent HPK1 Chimera for Studies in Human T Cells
Montgomery Blair High School
Hometown: Potomac, MD
Dr. Nathan P. Coussens,
Dr. Lawrence E. Samelson, Preceptors
Laboratory of Cellular and Molecular Biology

223. Ethan Wang

Beta amyloid inhibits nitric oxide through CD36 and CD47
Dartmouth College
Hometown: Germantown, MD
Dr. David Roberts,
Dr. Tom Miller, Preceptors
Laboratory of Pathology

224. Lu Wang

Fractionation of Tumor tissues for Individualized Cell Type Molecular Profiling
University of Maryland, Baltimore County
Hometown: Potomac, MD
Dr. Keith Killian,
Dr. Paul Meltzer, Preceptors
Genetics Branch

225. Ruoqi Wang

Glypican-3, a Novel Therapeutic Target in Liver Cancer
Johns Hopkins University
Hometown: San Antonio, TX
Dr. Mitchell Ho, Preceptor
Laboratory of Molecular Biology

226. Ziyao Wang

Survivin: A Target of Adoptive Immunotherapy for Pediatric Sarcomas
Montgomery Blair High School
Hometown: Rockville, MD
Dr. Karen Cui,
Dr. Crystal L. Mackall, Preceptors
Pediatric Oncology Branch

227. Geneva L Williams

Patterns of Glucocorticoid Receptor Stimulation Impact the Cellular Clock

The University of New Mexico
Hometown: Churchrock, NM
Dr. Diana Stavreva, Preceptor
Laboratory of Receptor Biology and Gene Expression

228. Xinran (Maria) Xiang

A potential novel antibody therapy for CA125-positive cancer
University of Michigan
Hometown: Ann Arbor, MI
Dr. Mitchell Ho, Preceptor
Laboratory of Molecular Biology

229. Brian E Yang

2D-PCR: RNA Analysis across Tissue Microarrays
University of Maryland
Hometown: Silver Spring, MD
Mr. Michael D. Armani,
Dr. Michael Tangrea, Preceptors
Laboratory of Pathology

230. Amanda Yates

Improved Identification of Mutations of FGFR3 in Bladder Tumors
Horry-Georgetown Technical
Hometown: Ft Detrick, MD
Mr. Michael L. Nickerson, Preceptor
Cancer Inflammation Program

231. Lewis W Yuan

Affibody-Based Biomolecules for Diagnosis and Therapy of HER2-Positive Cancers
Case Western Reserve University
Hometown: Woolwich, NJ
Dr. Jacek Capala, Preceptor
Radiation Oncology Branch

232. Ellen G Zhang

Construction of Phosphoseryl-tRNA^[Sec] Kinase vector for generation of conditional knock out mice
University of Maryland College Park
Hometown: Germantown, MD
Dr. Xue-Ming Xu, Preceptor
Laboratory of Cancer Prevention

233. Xuemin Zhang

HIV-1 Integrase Resistance to Raltegravir and Second Generation Drugs.
University of Maryland
Hometown: Bethesda, MD
Dr. Mathieu Metifiot, Preceptor
Laboratory of Molecular Pharmacology

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

234. Anayansi Lombardero

Lessons from the Tobacco Industry's Tactics to Penetrate and Influence the Spanish Market

University of Montana
Hometown: Rockville, MD
Dr. Mark Parascandola, Preceptor
Epidemiology and Genetics Research Program

235. Gary R Roberson

The Role of Examples in a Self-Affirmation Essay Manipulation

Williams College
Hometown: Tigard, OR
Dr. Kara Hall, Preceptor
Behavioral Research Program

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

236. Ida Ahmadizadeh

Folate and Bladder Cancer in the New England Bladder Cancer Study

University of Michigan
Hometown: Bethesda, MD
Dr. Dalsu Baris, Preceptor
Occupational and Environmental Epidemiology Branch

237. Kristine Albanes

Insulin-like growth factors and risk of melanoma

Bethesda-Chevy Chase High School
Hometown: Rockville, MD
Dr. Barry I. Graubard,
Dr. Jacqueline M. Major, Preceptors
Biostatistics Branch

238. Matthew P Banegas

Validation of the Gail Model for United States (US) Latinas

University of Washington
Hometown: Seattle, WA
Dr. Hormuzd Katki,
Dr. Mitchell Gail, Preceptors
Biostatistics Branch

239. Alexandra R Berg

Sarcomas in HIV-infected People: a Systematic Review of the Literature

Williams College
Hometown: Bethesda, MD
Dr. Eric A. Engels, Preceptor

Infections and Immunoepidemiology Branch

240. Dianna E Buckett

Epidemiologic studies on the relationship between single nucleotide polymorphisms of the IL28B gene and natural clearance of the hepatitis C virus

Claremont McKenna College

Hometown: Chevy Chase, MD

Dr. Thomas O'Brien,

Dr. Ludmila Prokunina, Preceptors

Infections and Immunoepidemiology Branch

241. Kimberly Dessoify

Reasons for Blocked Genetic Communications in HBOC Families

Ohio University

Hometown: North Royalton, OH

Ms. June Peters,

Dr. Laura Koehly, Preceptors

Clinical Genetics Branch

242. Robert C Hagerty

IGF1, IGF1BP3 and Stomach Cancer

Bethesda-Chevy Chase High School

Hometown: Chevy Chase, MD

Dr. Demetrius Albanes,

Dr. Jacqueline M. Major, Preceptors

Nutritional Epidemiology Branch

243. Nadia E Hoekstra

Development of databases for nitrate in drinking water and diet for epidemiologic studies of cancer

Boston College

Hometown: Durham, NC

Dr. Mary H. Ward, Preceptor

Occupational and Environmental Epidemiology Branch

244. Lauren M Hurwitz

VHL Germline Variation and Epigenetically-Defined Tumor Heterogeneity in ccRCC

Johns Hopkins University

Hometown: Rockville, MD

Dr. Lee E. Moore, Preceptor

Occupational and Environmental Epidemiology Branch

245. Alpana Kaushiva

miRNA profiling in normal and tumor bladder tissue samples

University of Maryland, Baltimore County

Hometown: Fulton, MD

Dr. Ludmila Prokunina, Preceptor

Laboratory of Translational Genomics

246. Christine Kiruthu

25-Hydroxyvitamin D and Melanoma :A Nested Case Control Study of Middle Aged Male

Smokers in Finland.
University of Maryland Eastern Shore
Hometown: Lanham, MD
Dr. Demetrius Albanes,
Dr. Jaqueline Major, Preceptors
Nutritional Epidemiology Branch

247. Roslyn T Lee

Alterations of ROBO1 in esophageal squamous cell carcinoma (ESCC) from a high-risk population, China
Thomas S. Wootton High School
Hometown: Gaithersburg, MD
Dr. Phil R. Taylor,
Dr. Nan Hu, Preceptors
Genetic Epidemiology Branch

248. Paige Maas

Two-Stage Modeling of Heterogeneity in Breast Cancer by Race
Johns Hopkins School of Public Health
Hometown: Baltimore, MD
Dr. Nilanjan Chatterjee, Preceptor
Biostatistics Branch

249. Kishan P Mistry

TaqMan Genotyping at CGF: Older Technology Still the Gold Standard in Follow-Up Studies
Richard Montgomery High School
Hometown: Gaithersburg, MD
Ms. Amy Hutchinson, Preceptor
Core Genotyping Facility

250. Adam D Mumy

Association of bladder and gastric cancer risk variant rs2294008 in PSCA with altered gene expression in human tissues
Montgomery College
Hometown: Rockville, MD
Dr. Ludmila Prokunina-Olsson, Preceptor
Laboratory of Translational Genomics

251. Whitney L Osborne

Body Fat Distribution and the Risk of Hypertension and Diabetes In the India Health Study
The George Washington University
Hometown: Darnestown, MD
Dr. Rashmi Sinha,
Dr. Carrie Daniel, Preceptors
Nutritional Epidemiology Branch

252. Andrew J Para

Effect of Freezing Conditions on Bacterial Enzyme Activity in Human Fecal Samples
Michigan State University

Hometown: Shelby Township, MI
Dr. Roberto Flores,
Dr. James J. Goedert, Preceptors
Infections and Immunoepidemiology Branch

253. Helen D Reed

Inherited Bone Marrow Failure Syndromes: Correlation of Bone Marrow Fibrosis with Morphology and Cytogenetics
UC Berkeley
Hometown: Rancho Viejo, TX
Dr. Neelam Giri,
Dr. Blanche Alter, Preceptors
Clinical Genetics Branch

254. Crystal L Speaks

"APC Analysis of Testicular Cancer Incidence Rates Among Black and White Men"
Tulane University School of Public Health and Tropical Med
Hometown: Rockville, MD
Dr. Michael B. Cook,
Dr. Katherine McGlynn, Preceptors
Hormonal and Reproductive Epidemiology Branch

255. Kathleen Tatem

ADHD and Smoking
St. Mary's College of Maryland
Hometown: Kensington, MD
Dr. Neil Caporaso, Preceptor
Genetic Epidemiology Branch

National Cancer Institute Division of Cancer Prevention and Control (NCI-DCPC)

256. Sharon Camacho

Effect of I3C and DIM on normal vs cancerous cells of the prostate.
Universidad Metropolitana
Hometown: Rockville, MD
Dr. Young S. Kim, Preceptor
Nutritional Science Research Group

National Cancer Institute Division of Cancer Treatment and Diagnosis (NCI-DCTD)

257. Shadia Kawa

The effects of stress on the effectiveness of cancer treatments: a literature review of animal models
Georgetown University
Hometown: Germantown, MD
Dr. Jeffrey White,
Dr. Paige McDonald, Preceptors

Office of Cancer Complementary and Alternative Medicine

258. Jeans M Santana

The use of Complementary and Alternative Medicine (CAM) in the U.S. Hispanic Population: History, Health Disparities, and Cancer

Boston College

Hometown: Bronx, NY

Dr. Farah Zia, Preceptor

Cancer Diagnosis Program

National Center for Complementary and Alternative Medicine (NCCAM)

259. Yamini Ayakannu

Comparison between surrogate indexes of insulin sensitivity/resistance and hyperunsulinemic euglycemic clamp estimates in monkeys

Virginia Tech

Hometown: Glen Allen, VA

Dr. Ranganath Muniyappa,

Dr. Ho Won Lee, Preceptors

Laboratory of Clinical Investigation

260. Lucy Tan

Chemokine Expression in Laser Induced CNV Model of Scavenger Receptor Knock Out Mice

Poolesville High School

Hometown: Gaithersburg, MD

Dr. Baoying Liu, Preceptor

Laboratory of Clinical Investigation

National Eye Institute (NEI)

261. Megan S Casady

Fundus Autofluorescence Changes in Primary Intraocular Lymphoma

Virginia Tech

Hometown: Silver Spring, MD

Dr. Nida Sen,

Dr. Robert Nussenblatt, Preceptors

Laboratory of Immunology

262. Krysten M Chapa

The Role of Stearoyl-CoA Desaturase in N-(4-Hydroxyphenyl)retinamide-Induced Apoptosis of Human Retinal Pigment Epithelial Cells

Northwest Vista College

Hometown: Bethesda, MD

Dr. Michael T. Redmond, Preceptor

Laboratory of Retinal Cell and Molecular Biology

263. Haoxing Chen

The Role of miRNA-25 in Experimental Autoimmune Uveitis
University of Maryland, College Park
Hometown: Bethesda, MD
Dr. Mary Mattapallil, Preceptor
Laboratory of Immunology

264. Candice Craig

Candidate Gene Analysis of a Potential Monkey Model of Vitelliform Macular Dystrophy
UMBC
Hometown: Laurel, MD
Dr. Xinjing Wang,
Dr. Christian Antolik, Preceptors
Ophthalmic Genetics and Visual Function Branch

265. Lauren A Dalvin

Molecular modeling of pathogenic mutations in nucleotide binding domains of ABCA4 transporter protein
Northeastern Ohio Universities College of Medicine
Hometown: Canfield, OH
Dr. Yuri Sergeev, Preceptor
Ophthalmic Genetics and Visual Function Branch

266. Daniel Diaz

Specific Interaction of Neuronal Protein, Olfactoredin 1, to Neurotrophic Factor Receptors.
University of Miami
Hometown: Rockville, MD
Dr. Stanislav Tomarev, Preceptor
Laboratory of Molecular and Developmental Biology

267. Alecia Gibson

Visualizing Interleukin (IL)-17 Producing Cells In IL-17-GFP Reporter Mice
Northern Virginia Community College
Hometown: Herndon, VA
Dr. Reiko Horai, Preceptor
Laboratory of Immunology

268. Stephane A Guerrier

Biochemical Properties of Two Isoforms of PEDF
Cornell University
Hometown: Rockville, MD
Dr. Sofia P. Becerra, Preceptor
Laboratory of Retinal Cell and Molecular Biology

269. Gill Y Guo

Homozygous Deletion of Pdlim2 is Associated with Structure Abnormality of Corneal Epithelia
Montgomery Blair High School
Hometown: Rockville, MD
Dr. Chun Y. Gao, Preceptor

Laboratory of Molecular and Developmental Biology

270. Sammy Gurman

Potential Neuroprotective and Regenerative Effects of Olfactomedin 1 on Retinal Ganglion Cells

University of Maryland

Hometown: Potomac, MD

Dr. Stanislav Tomarev,

Dr. Thomas Johnson, Preceptors

Laboratory of Molecular and Developmental Biology

271. Shayma M Jawad

Double Negative T cells in Uveitis Patients

Georgetown University

Hometown: Germantown, MD

Dr. Robert Nussenblatt,

Dr. Baoying Liu, Preceptors

Laboratory of Immunology

272. Rima A Kikani

Investigating genetic pathways involved in retinal degeneration

University of Maryland, Baltimore County

Hometown: Hagerstown, MD

Dr. Anand Swaroop,

Dr. Rivka Rachel, Preceptors

Neurobiology Neurodegeneration & Repair Laboratory

273. Stephanie C Kuo

RPE65 Isomerase In-Vitro Activity

Johns Hopkins University

Hometown: Germantown, MD

Dr. T. Michael Redmond, Preceptor

Laboratory of Retinal Cell and Molecular Biology

274. Diamond Ling

Evaluation of Monocytes in Uveitis

University of Rochester

Hometown: Pleasanton, CA

Dr. Robert Nussenblatt,

Dr. Baoying Liu, Preceptors

Laboratory of Immunology

275. Bhavana Mohanraj

Fatty Acid BM101 Inhibits Angiogenesis Induced By 7-Ketocholesterol Mediated Inflammation in a Laser-Induced CNV Animal Model

Rensselaer Polytechnic Institute

Hometown: Bethesda, MD

Dr. Juan Amaral, Preceptor

Laboratory of Retinal Cell and Molecular Biology

276. Neena Passi

Spontaneous uveitis in the absence of IFN-g in transgenic mice expressing a retina-specific T cell receptor

George Washington University
Hometown: NW, Washington, DC
Dr. Reiko Horai, Preceptor
Laboratory of Immunology

277. Matthew J Rapp

Retinal Cell Response to Pigment Epithelium-derived Factor Variants

University of Maryland, Baltimore County (UMBC)
Hometown: Germantown, MD
Dr. Patricia Becerra,
Dr. Preeti Subramanian, Preceptors
Laboratory of Retinal Cell and Molecular Biology

278. Ragha V Suresh

Detection of the Changes in Lysosomal pH in Human Fetal and Adult RPE Cells using Lysosensor Dyes

Freehold High School
Hometown: Bethesda, MD
Dr. Brian P. Brooks,
Dr. Nataly Strunnikova, Preceptors
Ophthalmic Genetics and Visual Function Branch

279. Jaime L Temple

Correlation of Stargardt Disease Severity to ABCA4 Mutations Using the eyeGENE® Database

Trinity Washington University
Hometown: Pasadena, MD
Dr. Santa Tumminia,
Dr. Wadih Zein, Preceptors
Ophthalmic Genetics and Visual Function Branch

280. John Q Tran

Removal of Biological Noise from Physiological Signals

Thomas Jefferson High School for Science and Technology
Hometown: McLean, VA
Dr. Lance M. Optican,
Dr. Christian Quaia, Preceptors
Laboratory of Sensorimotor Research

281. Andrew H Zureick

Interleukin-1a enhances cytokine production by T-helper 9 cells

Dartmouth College
Hometown: Bloomfield Hills, MI
Dr. Igal B. Gery, Preceptor
Laboratory of Immunology

National Heart, Lung, and Blood Institute (NHLBI)

282. Alicia P Abedi

Phosphoproteomics of Renal Collecting Ducts
University of Delaware
Hometown: Parkton, MD
Dr. Mark A. Knepper, Preceptor
Laboratory of Kidney and Electrolyte Metabolism

283. Samuel R Althausen

Fine Structure of Aligned Blood Vessels and Nerves in Developing Mouse Skin
Carleton College
Hometown: Timonium, MD
Dr. Matthew P. Daniels,
Dr. Yosuke Mukoyama, Preceptors
Electron Microscopy Core

284. Julie A Auxier

Oblique incidence grating based Mach-Zehnder interferometer using diffused white light
Oregon State University
Hometown: Clackamas, OR
Dr. Han Wen, Preceptor
Laboratory of Cardiac Energetics

285. Nick A Bax

Quantifying In-vitro Photodamage in an IR Optical Trap
Princeton University
Hometown: Bethesda, MD
Dr. Keir C. Neuman,
Dr. Yeonee Seol, Preceptors
Laboratory of Molecular Biophysics

286. Shane Breazeale

Characterizing the interactions of Sorting Nexin 27
Irvine Valley College
Hometown: Laguna Hills, CA
Dr. Sharon Milgram, Preceptor
Laboratory of Kidney and Electrolyte Metabolism

287. Angeliz M Caro

Defining the Vascular Anatomy of the Porcine Pelvis to Optimize Methods to Retain Intrabone Transplanted Hematopoietic Stem Cells
Immaculate Conception Academy
Hometown: Mayaguez, PR
Dr. Richard Childs,
Ms. Catalina Ramos Delgado, Preceptors
Hematology Branch

288. Kevin Cheng

Temporal Expression of β -globin Pre-mRNA Among Human Erythroid Progenitors
Walt Whitman High School
Hometown: Bethesda, MD

Dr. Kareem Washington,
Dr. John Tisdale, Preceptors
Hematology Branch

289. Jason H Choi

Compliance of the Lever Arm and Elasticity of the Extended Tail Domain of Myosin V
University of Pennsylvania
Hometown: Bethesda, MD
Dr. James R. Sellers,
Dr. Attila Nagy, Preceptors
Laboratory of Molecular Physiology

290. Kathy Chu

Analysis of Proteoglycans in Zebrafish Transgenics
Duke University
Hometown: Essex Junction, VT
Dr. Ken Kramer,
Dr. Ashok Srinivasan, Preceptors
Genetics and Development Biology Center

291. Sebastian R Freeman

Extracellular Cholesterol Detection using a Cholesterol Monoclonal Antibody
SUNY Binghamton
Hometown: Kensington, MD
Dr. Howard S. Kruth, Preceptor
Translational Medicine Branch

292. Rahel Ghenbot

Identification of molecules that direct neuronal axon growth
University of Minnesota--Twin Cities
Hometown: Germantown, MD
Dr. Herbert Geller, Preceptor
Developmental Neurobiology Section

293. John J Hatch

The Molecular Mechanism of Neurovascular Interaction During Cardiac Development
University of Virginia
Hometown: Arlington, VA
Dr. Yosuke Mukoyama, Preceptor
Genetics and Development Biology Center

294. Lansdale G Henderson

Neural Stem Cells in the Adult Dentate Gyrus: the Pioneering Whole-Mount Analysis
University of Virginia
Hometown: Upper Marlboro, MD
Dr. Yosuke Mukoyama, Preceptor
Genetics and Development Biology Center

295. Nadir Ijaz

Investigating Myosin VIIa Regulation: Folding and Light Chain Binding
Duke University

Hometown: Falls Church, VA
Dr. Verl Siththanandan,
Dr. James R. Sellers, Preceptors
Laboratory of Molecular Physiology

296. Minna Jacobson

Characterization of myoblast-specific gene expression programs in the Drosophila embryo
Bethesda-Chevy Chase High School
Hometown: Bethesda, MD
Dr. Alan Michelson, Preceptor
Genetics and Development Biology Center

297. Sameena Khan

Role of Candidate Genes in Sickle Cell Anemia Vasoocclusive Pain
University College Dublin
Hometown: Potomac, MD
Dr. James G. Taylor, Preceptor
Pulmonary and Vascular Medicine Branch

298. Zoha Khan

Expression of Cyclic GMP-inhibited Phosphodiesterases 3A and 3B (PDE3A and PDE3B) in Human and Mice Cardiac Myocytes
Sherwood High School
Hometown: Brookeville, MD
Dr. Vincent C. Manganiello, Preceptor
Translational Medicine Branch

299. Vasudha Kowtha

Effect of Interleukin-21 on Cytokine Gene Expression in Dendritic Cells
Eleanor Roosevelt High School
Hometown: Greenbelt, MD
Dr. Edward Wan, Preceptor
Laboratory of Molecular Immunology

300. Michael Lehrer

Proteomic Analysis of Cell Signaling in Neuronal Cells
Colorado State University
Hometown: Fort Collins, CO
Dr. Herbert Geller,
Dr. Yasuhiro Katagiri, Preceptors
Developmental Neurobiology Section

301. Laura Y Lu

Use of siRNA as a Therapeutic Approach in an in vitro model of CNS Injury
Bullis School
Hometown: Rockville, MD
Dr. Herbert Geller,
Dr. Yasuhiro Katagiri, Preceptors
Developmental Neurobiology Section

302. Jonathan T McMichael

The role of calcium dissociation from cardiac troponin C in cardiac muscle relaxation

University of Washington

Hometown: Lynden, WA

Dr. James Sellers,

Dr. Earl Homsher, Preceptors

Laboratory of Molecular Physiology

303. Stefanie R Milner

Identification of FABP3 and Other Genes' Expression Level in Human MSC and Hypoxia Condition

University of Rochester

Hometown: Rockville, MD

Dr. Suna Wang,

Dr. Yifu Zhou, Preceptors

Cardiothoracic Surgery Research

304. Toni T Nettles

Cardiovascular Disease Prevention in Rural Communities

Jackson State University

Hometown: Greenbelt, MD

Dr. Charlotte Pratt, Preceptor

Clinical Applications and Prevention Program

305. Katherine Ni

Detection of OLFM4 Expression in the Prostate

Richard Montgomery High School

Hometown: Germantown, MD

Dr. Griffin P. Rodgers,

Dr. Hongzhen Li, Preceptors

Hematology Branch

306. Anne E Nichols

Effects of IL-21 in the Lung

Wake Forest University

Hometown: Reston, VA

Dr. Warren Leonard,

Dr. Rosanne Spolski, Preceptors

Laboratory of Molecular Immunology

307. Mofiyin Obadina

Searching for Proteins that Recognize Signals that Determine the Sorting of Endosomal Cargo Proteins

Montgomery College

Hometown: Rockville, MD

Dr. Lymarie Maldonado-Baez, Preceptor

Laboratory of Cell Biology

308. Braeden K Santiago

Characterization of the Interaction between Beta-Catenin and Sorting Nexin 27

Kamehameha High School

Hometown: Gaithersburg, MD
Dr. Sharon Milgram,
Dr. Martin P. Playford, Preceptors
Laboratory of Kidney and Electrolyte Metabolism

309. David Z Shou

Cell Based Therapy for Cardiovascular Diseases
Richard Montgomery High School
Hometown: North Potomac, MD
Dr. Yifu Zhou, Preceptor
Cardiothoracic Surgery Research

310. Sara A Sun

Preliminary Characterization of Mammalian Myosin XVIIIa
University of California at Berkeley
Hometown: Vienna, VA
Dr. James R. Sellers,
Ms. Stephanie J. Guzik, Preceptors
Laboratory of Molecular Physiology

311. Yu Tian

Microarray Analysis of CD34+CXCR4+ and CD34+CXCR4- Cells Reveals Two Distinct Hematopoietic Stem/Progenitor Cell Populations
Thomas S Wootton High School
Hometown: North Potomac, MD
Dr. Robert E. Donahue, Preceptor
Hematology Branch

312. Monica Wei

Quantitative LC-MS/MS analyses of vasopressin-mediated nuclear-cytoplasmic translocation in mpkCCD cells
Northwestern University
Hometown: Germantown, MD
Dr. Mark A. Knepper, Preceptor
Laboratory of Kidney and Electrolyte Metabolism

313. Xuxinye Xu

Early Changes of Myocyte in Acute Myocardial Infarction: A Histopathological and Immunohistochemical Study
Thomas S. Wootton
Hometown: Rockville, MD
Dr. Zu-Xi Yu, Preceptor
Pathology Core

314. Jessica J Yang

Induced Pluripotent Stem Cell Generation
Richard Montgomery High School
Hometown: Germantown, MD
Dr. Neal Epstein,
Dr. Yi Yang, Preceptors
Genetics and Development Biology Center

315. Melissa Yang

Trends in Comparative Effectiveness Studies on Weight Loss
Richard Montgomery High School
Hometown: Clarksburg, MD
Dr. Peter G. Kaufmann,
Dr. William T. Riley, Preceptors
Clinical Applications and Prevention Program

316. Mileydis Zambrana

Chondroitin sulfate A binds to neuronal cell types in mouse brain
University of Miami
Hometown: Bethesda, MD
Dr. Herbert Geller, Preceptor
Developmental Neurobiology Section

317. Boyang Zhao

Phosphoproteomic profiling of tyrosine phosphorylation in inner medullary collecting duct using LC-MS/MS
University of Michigan, Ann Arbor
Hometown: Brooklyn, NY
Dr. Mark A. Knepper, Preceptor
Laboratory of Kidney and Electrolyte Metabolism

National Human Genome Research Institute (NHGRI)

318. David S Accame

Identification of Active Alu Retrotransposons in the Human Genome by Massively Parallel DNA Sequencing
University of Maryland-College Park
Hometown: Bethesda, MD
Dr. Shurjo Sen, Preceptor
Genetic Disease Research Branch

319. David L Boone

The Molecular Biology of Atopic Dermatitis
The Catholic University of America
Hometown: Gainesville, FL
Dr. Julie Segre,
Mr. Clayton Deming, Preceptors
Center for Inherited Disease Research

320. Anthony J Burnett

Examination of the Role of ELG1 in Translesion Synthesis
University of Maryland
Hometown: Bethesda, MD
Dr. Kyungjae Myung, Preceptor
Genetics and Molecular Biology Branch

321. Harshini Chinnasamy

Transduction of Human B-cells By A Selectable Foamy Virus-Based Vector for Gene Therapy of Wiskott-Aldrich Syndrome

Thomas S Wootton High School

Hometown: Rockville, MD

Dr. Robert Sokolic,

Dr. Fabio Candotti, Preceptors

Genetics and Molecular Biology Branch

322. Kiera A Coy

Investigation of RRP1B as a Metastasis Modifier in Breast Cancer

Northern Virginia Community College

Hometown: Bristow, VA

Dr. Nigel P. Crawford, Preceptor

Cancer Genetics Branch

323. Jessica M Davis

Family matters: Exploring the influence of social networks on the uptake of genetic services

Stetson University

Hometown: Palm Harbor, FL

Dr. Laura Koehly,

Mr. Don Hadley, Preceptors

Social and Behavioral Research Branch

324. Henry Dorbu, Steven J Larrick

Evaluating T Cell Function in a Mouse Model of X-linked Lymphoproliferative Disease

Walter Johnson High School

Walter Johnson High School

Hometown: Gaithersburg, MD

Bethesda, MD

Dr. Pam Schwartzberg,

Ms. Julie Reilley, Preceptors

Genetic Disease Research Branch

325. Sydney C Dubois

Role of RUNX1 High-Affinity Binding Domain in Cbfb-MYH11 mediated leukemogenesis

Ecole Normale Supérieure de Lyon

Hometown: Potomac, MD

Dr. Katherine Hyde, Preceptor

Genetics and Molecular Biology Branch

326. Altovise T Ewing

Sickle Cell Trait : An Exploration of Perspectives

Howard University

Hometown: Washington, DC

Dr. Vence Bonham, Preceptor

Social and Behavioral Research Branch

327. Rachel L Goldfeder

Identity Verification: Confirming that Two Sets of Next-Generation Human Genomic

Sequence Data are from the Same Individual
Washington University in St. Louis
Hometown: The Woodlands, TX
Dr. Elliott H. Margulies, Preceptor
Genome Technology Branch

328. Rachel Hart

Analysis of Noncoding Regulatory Elements of X-Linked Heterotaxy (ZIC3)
University of Maryland, College Park
Hometown: Potomac, MD
Dr. Erich Roessler, Preceptor
Medical Genetics Branch

329. Kira Harvey

Accounting for Population Stratification in Genome-Wide Association Studies
Emory University
Hometown: Potomac, MD
Dr. Andy Baxevanis,
Dr. Lucia Hindorff, Preceptors
Genome Technology Branch

330. Alexis Hickman

Regional body fat composition analysis in methylmalonic acidemia patients as compared to normal and obese controls.
Swarthmore College
Hometown: Vienna, VA
Dr. Charles Venditti, Preceptor
Genetics and Molecular Biology Branch

331. Wafa K Khadraoui

Characterizing the Genetics Blogging Community
Johns Hopkins University
Hometown: Alexandria, VA
Dr. Susan Persky, Preceptor
Social and Behavioral Research Branch

332. Pin-Joe Ko

Using Wholemount In Situ Hybridization (WISH) to Visualize Expression of Metabolic Genes During Zebrafish Development
Montgomery Blair High School
Hometown: Rockville, MD
Mr. Steve M. Finckbeiner,
Dr. Paul P. Liu, Preceptors
Genetics and Molecular Biology Branch

333. Kari Kubalanza

Linkage Mapping in Small Pedigrees without Advanced Math by Simple Boolean Logic and High Density SNP Arrays
Georgetown University
Hometown: Washington, DC
Dr. William Gahl,

Dr. Thomas Markello, Preceptors
Medical Genetics Branch

334. Claudia Landazabal

Glucocerebrosidase mutations among patients with Parkinson's disease

Yorktown High School

Hometown: Arlington, VA

Dr. Ellen Sidransky,

Dr. Nahid Tayebi, Preceptors

Medical Genetics Branch

335. Kevin Levine

The Role of PCNA Modification in Maintaining Genome Stability

Washington University in St. Louis

Hometown: Potomac, MD

Dr. Kyungjae Myung, Preceptor

Genetics and Molecular Biology Branch

336. Deyana Lewis

Using Ordered Subset Analysis to Detect and Adjust for Genetic Heterogeneity in The African American Hereditary Prostate Cancer Study

University of Pittsburgh

Hometown: Baltimore, MD

Dr. Joan E. Bailey-Wilson, Preceptor

Inherited Disease Research Branch

337. Sydney E Liang

Zinc-finger mediated mutagenesis of cbfb in zebrafish: Screening of founders for germline transmission and characterization of mutant alleles

University of Maryland

Hometown: Potomac, MD

Dr. Raman Sood,

Dr. Paul Liu, Preceptors

Genetics and Molecular Biology Branch

338. Elijah Martin, III

Hermansky-Pudlak Syndrome Candidate Genes: BLOC-1

Morehouse College

Hometown: Rockville, MD

Dr. Richard A. Hess,

Dr. Marjan Huizing, Preceptors

Medical Genetics Branch

339. William J McGarey

The synthesis and purification of 1-(4-(pyridin-2-yl)piperazin-1-yl)-3-(1-(4-vinylbenzoyl)piperidin-3-yl)propan-1-one, a potential TDP1 inhibitor, for the treatment of cancer

University of Southern California

Hometown: McLean, VA

Mr. William H. Leister, Preceptor

NIH Chemical Genomics Center

340. Nima Moaven

Association of LIMP-2 with Severity of Gaucher Disease

University of Maryland College Park

Hometown: ROCKVILLE, MD

Dr. Ellen Sidransky,

Dr. Nahid Tayebi, Preceptors

Medical Genetics Branch

341. Taiyabah Naeem

Analysis of RPS14 deficiency in Erythroid cells: A model for Atypical Diamond Blackfan Anemia

Gallaudet University

Hometown: Silver Spring, MD

Dr. David Bodine, Preceptor

Genetics and Molecular Biology Branch

342. Trang Jennifer Nguyen

Evaluating the exposure of novel compounds on hematopoiesis using transgenic zebrafish models

The George Washington University

Hometown: Clarksburg, MD

Dr. Raman Sood,

Dr. Paul Liu, Preceptors

Genetics and Molecular Biology Branch

343. Terren K Niethamer

Hyposialylation of Nephritin and Podocalyxin in a Mouse Model with Severe Glomerular Proteinuria

University of Pennsylvania

Hometown: North Potomac, MD

Dr. Marjan Huizing,

Dr. William Gahl, Preceptors

Medical Genetics Branch

344. Kathleen E O'Brien

Coping with uncertainty: Understanding the experience of parenting a child with a chronic undiagnosed medical condition

Brown University

Hometown: Quincy, MA

Ms. Anne C. Madeo, Preceptor

Social and Behavioral Research Branch

345. Ian Oppenheim

Complexity in Type II Gaucher's Disease

University of Maryland School of Medicine

Hometown: Bethesda, MD

Dr. Ellen Sidransky,

Dr. Nahid Tayebi, Preceptors

Medical Genetics Branch

346. Irene S Pourladian

The Cytogenetics and Microscopy Core
University of Missouri
Hometown: Saint Joseph, MO
Dr. Amalia S. Dutra, Preceptor
Genetic Disease Research Branch

347. Adam Richards

Health Locus of Control as a Predictor of Online Genetic Information Seeking
University of Maryland
Hometown: Hyattsville, MD
Dr. Colleen McBride, Preceptor
Social and Behavioral Research Branch

348. Mariana Rius

Evaluation of FANCA protein expression in Fanconi anemia families with apparent common deletions
College of Charleston
Hometown: Rockville, MD
Dr. Settara Chandrasekharappa,
Ms. Aparna A. Kamat, Preceptors
Cancer Genetics Branch

349. Jorge L Rodriguez-Gil

Evaluating the Effects of EGFR Inhibitors on Metastatic Melanoma
Florida International University
Hometown: Bethesda, MD
Dr. William Pavan, Preceptor
Genetic Disease Research Branch

350. Anam Salman

Informing Policy Makers: What we Know and Don't Know about the Genetic Contributions of Health Disparities
University of Maryland, Baltimore County (UMBC)
Hometown: Germantown, MD
Dr. Vence Bonham, Preceptor
Social and Behavioral Research Branch

351. Sarine G Shahmirian

Characterization of the SOX10 expression pattern in the melanocyte lineage during hair cycling
Chaminade College Preparatory High School
Hometown: Northridge, CA
Dr. William J. Pavan,
Dr. Melissa L. Harris, Preceptors
Genetic Disease Research Branch

352. Kirkland A Wilson

The Effect of Retinoic Acid on RAI1 Gene Expression in Smith-Magenis Cell Lines
North Carolina Central University
Hometown: Mechanicsville, VA

Dr. Marjun Huizing,
Dr. Thierry Vilboux, Preceptors
Medical Genetics Branch

353. David J Winer

From bench to bedside: Case reports of patients in the Undiagnosed Diseases Program
Brown University
Hometown: Bethesda, MD
Dr. William Gahl,
Ms. Shira Ziegler, Preceptors
Medical Genetics Branch

354. Conway Xu

Analysis of Hypoxia-Inducible Factors and Peroxisome Proliferator-Activated Receptors in Cobalamin Assimilation Gene Regulation
Montgomery Blair High School
Hometown: Bethesda, MD
Dr. Charles Venditti,
Dr. Laura L. Elnitski, Preceptors
Genetics and Molecular Biology Branch

355. Cindy Y Zhou

Characterization of IPS cells derived from a human leukemia cell line ME-1
Poolesville High School
Hometown: Boyds, MD
Dr. Paul Liu, Preceptor
Genetics and Molecular Biology Branch

National Institute of Allergy and Infectious Diseases (NIAID)

356. Suzanne A Abdelazim

Characterization of Novel Fusion Proteins Comprising Anthrax Lethal Factor Binding Domain and Pseudomonas Exotoxin A Catalytic Domain for Targeted Tumor Therapy
University of Maryland College Park
Hometown: Columbia, MD
Dr. Stephen Leppla,
Dr. Christopher H. Bachran, Preceptors
Laboratory of Bacterial Diseases

357. Taylor J Aiken

Aptamer-Based Discovery of Novel Malarial Red Cell Surface Antigens
Duke University
Hometown: Springfield, MO
Mr. Eugene Otenge, Preceptor
Laboratory of Malaria and Vector Research

358. Josue Baeza

Determining Hepatitis C virus diversity and evolution during antiviral therapy using quantitative deep sequencing

University of Texas Permian Basin
Hometown: Silver Spring, MD
Dr. Shyamasundaran Kottilil,
Dr. Marybeth Daucher, Preceptors
Laboratory of Immunoregulation

359. Anastasiya Belyaeva

Protein Phosphorylation in Toll-Like Receptor Signaling
Montgomery Blair High School
Hometown: Rockville, MD
Dr. Aleksandra U. Nita-Lazar, Preceptor
Program in Systems Immunology and Infectious Disease Modeling

360. Aleah C Bowie

Evaluation of Flight Tone as an Indicator of Fitness in Male Anopheles gambiae
Harvard University
Hometown: Bethesda, MD
Dr. Tovi Lehmann, Preceptor
Laboratory of Malaria and Vector Research

361. Jamie Byun

Ex Vivo Selective Enhancement of gp91phox Expression in X-CGD Mouse Bone Marrow Cells Transduced with a Bicistronic gp91phox/Benzyl Guanine Resistant Methylguanine Methyltransferase in HIV Lenti Vector
University of Maryland
Hometown: Potomac, MD
Dr. Uimook Choi,
Dr. Harry L. Malech, Preceptors
Laboratory of Host Defenses

362. Lauren Canary

The effects of mesenchymal stem cell (MSC) treatment on gut permeability, microbial translocation, and immune activation in pigtail macaques
George Washington University
Hometown: Germantown, MD
Dr. Jason Brenchley,
Dr. Nikki Klatt, Preceptors
Laboratory of Molecular Microbiology

363. Zanetta Chang

Searching for a maintenance system for Bacillus anthracis plasmid pXO1
University of Maryland
Hometown: Glenn Dale, MD
Dr. Andrei P. Pomerantsev, Preceptor
Laboratory of Bacterial Diseases

364. Safichia G Chew

Activation of the Inflammasome in Physical Urticaria
The Florida State University
Hometown: Silver Spring, MD
Dr. Hirsh D. Komarow, Preceptor

Laboratory of Allergic Diseases

365. Kyujoo Choi

Chemokine Regulation in a Mouse Model of T. Cruzi Infection

Montgomery Blair High School

Hometown: Silver Spring, MD

Dr. Philip M. Murphy,

Dr. Ester Santiago, Preceptors

Laboratory of Molecular Immunology

366. Allison Christiaansen

Identification of rotavirus genes necessary for promoting replication in mouse embryo fibroblasts

St. Olaf College

Hometown: Appleton, WI

Dr. John Patton,

Dr. Michelle Arnold, Preceptors

Laboratory of Infectious Diseases

367. Helen A Daifotis

Critical Evaluation of BD LSR II: Assessment of Electronics and Optics

The Pingry School

Hometown: Westfield, NJ

Dr. Kevin L. Holmes, Preceptor

Research Technologies Branch

368. Sunil A Deolalikar

Flight Tone Variations in Anopheles gambiae

Polytechnic High School

Hometown: Chevy Chase, MD

Dr. Tovi Lehmann, Preceptor

Laboratory of Malaria and Vector Research

369. Daniel G Eichberg

Purification and Biological Characterization of Selected IFN Subtypes

Cornell University

Hometown: Potomac, MD

Mr. Joseph Bekisz, Preceptor

Cytokine Biology Section

370. Joel A Finbloom

Tumor and Diploid Cell Killing by Monocytes is Enhanced to Near Eradication by Interferon and High Dose of Monocytes

Northwestern University

Hometown: Chevy Chase, MD

Dr. Samuel Baron, Preceptor

Cytokine Biology Section

371. Godfrey Furchtgott

Reprogramming Human Cells into Induced Pluripotent Stem Cells Using Integrating versus Non-integrating Lentiviruses

French International School
Hometown: Chevy Chase, MD
Dr. Colin L. Sweeney,
Mr. Jason Pan, Preceptors
Laboratory of Host Defenses

372. Sonia S Gaur

Leukocyte Chemotactic Receptor FPR1 is Functionally Expressed on Lens Epithelial Cells

Winston Churchill High School
Hometown: Potomac, MD
Dr. Philip M. Murphy,
Dr. Erich Schneider, Preceptors
Laboratory of Molecular Immunology

373. Phillip Grant

Development of Cross Platform Application in Support of Systems Biology

Johns Hopkins University
Hometown: Jordan, NY
Dr. Tony Zhang, Preceptor
Program in Systems Immunology and Infectious Disease Modeling

374. Nathan D Grubaugh

Early TLR Signaling Pathways Triggered by Burkholderia cenocepacia in Macrophages

Johns Hopkins University
Hometown: Gaithersburg, MD
Dr. Iain Fraser,
Dr. Souhaila Al-Khodor, Preceptors
Program in Systems Immunology and Infectious Disease Modeling

375. Sarah-Marie Hopf

Expression of Lin28 for Binding and Structural Studies

Dartmouth College
Hometown: Cape Coral, FL
Dr. Stefan Muljo, Preceptor
Laboratory of Immunology

376. Max K Hu

Cell Interactions of Chromobacterium violaceum with Leukocytes from Chronic Granulomatous Disease

University of Maryland College Park
Hometown: Gaithersburg, MD
Dr. Li Ding,
Dr. Steven Holland, Preceptors
Laboratory of Clinical Infectious Diseases

377. Balbine C Jourdan

Bleomycin-Induced Acute Lung Injury Is Attenuated in CCR6-Deficient Mice

Woodrow Wilson High School
Hometown: Washington, DC
Dr. Joshua M. Farber, Preceptor

Laboratory of Molecular Immunology

378. Zachary A Kloos

Identification of Brugia malayi Proteins at the Host-Parasite Interface

Case Western Reserve University

Hometown: Columbus, OH

Dr. Sasisekhar Bennuru,

Dr. Thomas B. Nutman, Preceptors

Laboratory of Parasitic Diseases

379. Ioanna M Kosmaoglou

Optimization of gene overexpression in naive T cells

Winston Churchill High School

Hometown: Potomac, MD

Dr. Nevil Singh, Preceptor

Laboratory of Cellular and Molecular Immunology

380. Nicholas C Kovacs

Innate Immune Defenses Against Acinetobacter baumannii

Winston Churchill High School

Hometown: Potomac, MD

Dr. David E. Greenberg, Preceptor

Laboratory of Clinical Infectious Diseases

381. William C Kovacs

Leukocyte Chemotactic Receptor Fpr1 is Required for Lens Maintenance and is Expressed in Human Lens Epithelial Cells

Winston Churchill High School

Hometown: Potomac, MD

Dr. Jiliang Gao, Preceptor

Laboratory of Molecular Immunology

382. Kalyani D Kumar

Biochemical Characterization of KIR3D molecules of pig-tailed macaques

Poolesville High School

Hometown: Montgomery Village, MD

Dr. Bernard A. Lafont, Preceptor

Laboratory of Molecular Microbiology

383. Chandana Lanka

Low Human Immunodeficiency Virus Envelope Divergence is Associated with Undetectable Levels of Plasma Viremia and the Absence of Genotypic Resistance During Short-Cycle Treatment Interruptions

Goucher College

Hometown: Bethesda, MD

Dr. Shyamasundaran Kottilil,

Dr. Marybeth Daucher, Preceptors

Laboratory of Infectious Diseases

384. Andrew Y Lee

High Resolution Computational Model of 3D Cellular Motility Through a Fibrous Matrix

University of Illinois at Urbana-Champaign
Hometown: Northbrook, IL
Dr. Martin Meier-Schellersheim, Preceptor
Program in Systems Immunology and Infectious Disease Modeling

385. Dara H Lorn

The role of western blots in interferon research
Forest Oak Middle School
Hometown: Gaithersburg, MD
Dr. Kathryn C. Zoon, Preceptor
Cytokine Biology Section

386. Preema J Mehta

A closer look into ex-vivo immunoglobulin production in a subset of patients with common variable immunodeficiency
Howard University College of Medicine
Hometown: Gaithersburg, MD
Dr. Gulbu Uzel,
Dr. Steve Holland, Preceptors
Laboratory of Clinical Infectious Diseases

387. Yoriko M Nakamura

HIV infection leads to T cell immune activation and loss of IL-7Ra expression
Cornell University
Hometown: McLean, VA
Dr. Marta Catalfamo, Preceptor
Laboratory of Immunoregulation

388. Elaine M Nghiem

How Protease Activity Affects the Function of the Gag Domains Involved in HIV-1 Release
Sherwood High School
Hometown: Olney, MD
Dr. Fadila Bouamr, Preceptor
Laboratory of Molecular Microbiology

389. Janson Pan

Examining Known Mutations of HIV-1 Vpu for Their Effects on TNFalpha Sensitivity
University of Pennsylvania
Hometown: Belmont, MA
Dr. Michael Lenardo,
Dr. Robert A. Barnitz, Preceptors
Laboratory of Immunology

390. Abhishek Pandey

Analyzing the Function of the Erdr1 Gene in Thymocytes
Montgomery College
Hometown: Germantown, MD
Dr. Ronald H. Schwartz,
Dr. Liantang Wu, Preceptors
Laboratory of Cellular and Molecular Immunology

391. Jonathan J Park

The Role of Dual Oxidases in Inflammatory Signaling of Airway Epithelial Cells
Illinois Mathematics and Science Academy

Hometown: Bethesda, MD
Dr. Thomas L. Leto,
Dr. Balazs Rada, Preceptors
Laboratory of Host Defenses

392. Megan E Piacquadio

Inducing the Readthrough of Nonsense Mutations via RTC-13 & RTC-14

College of the Holy Cross
Hometown: Rockville, MD
Dr. Sergio Rosenzweig, Preceptor
Laboratory of Host Defenses

393. Katharine R Press

The Mechanisms of VZV ORF12 Activation of the AP-1 Pathway

Princeton University
Hometown: New York, NY
Dr. Xueqio Liu, Preceptor
Laboratory of Clinical Infectious Diseases

394. Jason Qian

A functional characterization of a newly discovered polymorphism in the α chain of integrins, $\alpha 4\beta 7$ and $\alpha 4\beta 1$

Washington University in St. Louis
Hometown: Bethesda, MD
Dr. James Arthos, Preceptor
Laboratory of Immunoregulation

395. Gabrielle G Richterman

Influence of Body Mass Index (BMI) on Protease Inhibitor Pharmacokinetics in Healthy Volunteers

University of Connecticut
Hometown: Storrs, CT
Dr. Juan Lertora,
Dr. Scott Penzak, Preceptors
Laboratory of Infectious Diseases

396. Sharnell C Robinson

Role of p47phox in Macrophage Cytokine Production

St. George's School
Hometown: Roosevelt, NY
Dr. Sharon Jackson,
Dr. Sam Vasilevsky, Preceptors
Laboratory of Host Defenses

397. Emily A Rosen

Mechanisms of chemokine receptor down regulation by Nef protein of HIV

Brown University

Hometown: Manhattan Beach, CA
Dr. Venkatesan Sundararajan,
Dr. Prabha Chandrasekaran, Preceptors
Laboratory of Molecular Immunology

398. Aria R Sharma

Staging mouse embryo development in mutant mice in vivo with ultrasound
Thomas Jefferson High School for Science and Technology
Hometown: McLean, VA
Dr. Ashish Jain, Preceptor
Laboratory of Host Defenses

399. Lacy M Simons

Elucidation of Select Divalent Metal Requirements for Growth of Bacillus anthracis and Expression of Protective Antigen
Loyola University Chicago
Hometown: Chicago, IL
Dr. Stephen Leppa, Preceptor
Laboratory of Bacterial Diseases

400. Nicolaas M van Dijk

Differential Activation of STAT1/STAT3 by IL-27
St. Anselm's Abbey School
Hometown: Bethesda, MD
Dr. Elizabeth Sampaio, Preceptor
Laboratory of Clinical Infectious Diseases

401. Cesar D Velez-Penalzoa

Analysis of the Pathogenesis of elevated IgE in mice with limited TCR repertoires
Gaithersburg High School
Hometown: Gaithersburg, MD
Dr. Joshua D. Milner, Preceptor
Laboratory of Allergic Diseases

402. Cameron K Waites

Developing a qPCR assay for Influenza: Cloning of the Mouse-Adapted Influenza (A/FM/147-MA) M1 Gene
University of Michigan-Flint
Hometown: Mount Morris, MI
Dr. Helene F. Rosenberg, Preceptor
Laboratory of Allergic Diseases

403. Amanda E Ward

Anti-inflammatory effects of FPR with respect to cytokines in vitro
Poolesville High School
Hometown: Germantown, MD
Dr. Jiliang Gao,
Dr. Philip M. Murphy, Preceptors
Laboratory of Molecular Immunology

404. Sarah M Zweifach

Study of HIV-Associated Albuminuria
Brown University
Hometown: Washington, DC
Dr. Colleen Hadigan, Preceptor
Laboratory of Immunoregulation

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

405. Rakesh Jambusaria

Evaluation of Broadly Neutralizing HIV-1 Antibodies
University of California - Berkeley
Hometown: Van Nuys, CA
Dr. John Mascola,
Dr. Diane Wycuff, Preceptors
BSL-3 Core Virology Laboratory

406. Eric R Leon

Investigation of sialic acid residues on the F glycoprotein of respiratory syncytial virus.
Northern Virginia Community College
Hometown: Alexandria, VA
Dr. Barney S. Graham, Preceptor
Viral Pathogenesis Laboratory

407. Anqi Zheng

Engineering a HIV-1 Envelope Outer Domain onto the Surface of Norovirus VLP
Richard Montgomery High School
Hometown: Boyds, MD
Dr. Gary J. Nabel,
Mr. Zhi-yong Yang, Preceptors
Virology Laboratory and Vector Core Section

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

408. Paul W Bible

Computational Identification of Transcription Cofactors from Next Generation Sequencing Data
University of Louisiana at Lafayette
Hometown: Lafayette, LA
Mr. Paul W. Bible, Preceptor
Biodata Mining and Discovery Section

409. Antoine Bosselut

Long Non-coding RNAs in CD4+ T cells
McGill University
Hometown: Bethesda, MD
Dr. Golnaz Vahedi, Preceptor

Molecular Immunology and Inflammation Branch

410. Eduardo Contijoch

Wiskott-Aldrich Syndrome: An Immunodeficiency with Autoimmunity or Autoinflammation?

Princeton University

Hometown: Boca Raton, FL

Dr. Massimo Gadina, Preceptor

Translational Immunology Section

411. Amber N Grace

Effects of Jak inhibition on Th cell differentiation

Tuskegee University

Hometown: Montgomery, AL

Dr. John O'Shea,

Dr. Kamran Ghoreschi, Preceptors

Molecular Immunology and Inflammation Branch

412. Noah C Hull

iCys-Laser Scanning Cytometer, a New Tool for Cytoanalysis for NIAMS Investigators

University of Wyoming

Hometown: Cheyenne, WY

Mr. James Simone,

Dr. Massimo Gadina, Preceptors

Flow Cytometry Group

413. Pat Kirkland

Display of HIV-1 Epitopes on HBV Nucleocapsid Particles

University of Hawaii at Manoa

Hometown: Mclean, VA

Dr. Stephen Stahl, Preceptor

Protein Expression Laboratory

414. Sarah Leach

Spatiotemporal dynamics of IgE receptor clustering and mast cell signaling

University of Pennsylvania

Hometown: Walden, NY

Dr. Juan Rivera, Preceptor

Molecular Immunology and Inflammation Branch

415. Kevin M Lee

Detection of Heterogeneity in Three-dimensional Electron Microscopy Reconstructions by local resolution analysis

Palo Alto Senior High School

Hometown: Potomac, MD

Dr. Giovanni Cardone, Preceptor

Laboratory of Structural Biology Research

416. Jonathan P Luo

Modeling of viral membranes in tomographic reconstructions

University of Washington

Hometown: Richland, WA
Dr. Bernard Heymann, Preceptor
Laboratory of Structural Biology Research

417. Austin Luskin

The stability and expansion of bacteriophage phi6 procapsid analyzed by differential scanning calorimetry and electron microscopy

Franklin and Marshall College
Hometown: Washington, DC
Dr. Daniel Nemecek, Preceptor
Laboratory of Structural Biology Research

418. Sheila Mc Sweeney

The role of the DR3-TL1A interaction in systemic autoimmunity caused by Fas mutation

University College Cork
Hometown: Washington, DC
Dr. Françoise Meylan, Preceptor
Autoimmunity Branch

419. Devon Nixon

Position of atypical subtrochanteric hip fracture is related to neck-shaft angle

University of Michigan Medical School
Hometown: Ann Arbor, MI
Dr. Timothy Bhattacharyya, Preceptor
Clinical Investigative and Orthopedics Section

420. Onyinye U Ochi

Health Outcomes

Howard University
Hometown: Washington, DC
Dr. Michael M. Ward, Preceptor
Office of the Clinical Director

421. Thomas Rigolage

Investigating the assembly process of Simian virus 40 by cryo-electron tomography

Montgomery College
Hometown: Silver Spring, MD
Dr. Alasdair Steven, Preceptor
Laboratory of Structural Biology Research

422. Lorangelly Rivera-Torres

Dissecting the genetics of patients with undifferentiated fever syndrome

Universidad Metropolitana
Hometown: San Juan, PR
Dr. Raphaela Goldbach-Mansky, Preceptor
Office of the Clinical Director

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

423. Rena B Friedman

Wearable Sensor Technology to Aid In Study of Parkinsonian Tremor
The Yeshiva of Greater Washington
Hometown: Silver Spring, MD
Mr. Allen Markowitz, Preceptor
Laboratory of Bioengineering and Physical Science

424. Alicia E Goertel

Immunocapture of fluorescently labeled peptides for microchip electrophoresis
Thomas Jefferson High School for Science and Technology
Hometown: Annandale, VA
Dr. Nicole Y. Morgan,
Dr. Paul D. Smith, Preceptors
Laboratory of Bioengineering and Physical Science

425. Susan Jin

Combined Optical and Atomic Force Microscopy Imaging of Chromaffin Cells
University of Maryland
Hometown: North Potomac, MD
Dr. Albert Jin, Preceptor
Laboratory of Bioengineering and Physical Science

426. Lev V Krayzman

Using Infrared Imaging to Measure Fluctuations in Temperature
Montgomery Blair High School
Hometown: Rockville, MD
Dr. Alexander M. Gorbach, Preceptor
Laboratory of Bioengineering and Physical Science

427. Rachel M Lellis

Development and Characterization of an Agarose Microfluidic Device for Chemotaxis Studies in 3D Culture
University of Connecticut
Hometown: Brookfield, CT
Dr. Nicole Y. Morgan,
Dr. Paul D. Smith, Preceptors
Laboratory of Bioengineering and Physical Science

428. Eileen J Li

Complementary AFM and QCM-D Investigations of Clathrin
Thomas Sprigg Wootton High School
Hometown: Potomac, MD
Dr. Albert Jin, Preceptor
Laboratory of Bioengineering and Physical Science

429. Aida Martinez

Quantifying Weak Protein Interactions Through Non-ideality In Sedimentation Velocity
University of San Francisco
Hometown: Bethesda, MD
Dr. Peter Schuck, Preceptor
Laboratory of Bioengineering and Physical Science

430. Lisa Pang

Bioanalysis of New Malaria Vaccine Candidates using AFM and QCM-D
University of Pennsylvania
Hometown: Oak Hill, VA
Dr. Albert Jin, Preceptor
Laboratory of Bioengineering and Physical Science

431. Caitlin Powell

Characterization of the Single Molecule Blinking Behaviors of Photoactivatable Fluorescent Proteins
Case Western Reserve University
Hometown: Cleveland, OH
Dr. George Patterson, Preceptor
Laboratory of Bioengineering and Physical Science

432. Divya C Sahajwalla

Improved Device Fabrication for Microchip Electrophoresis
Thomas S. Wootton High School
Hometown: North Potomac, MD
Dr. Nicole Y. Morgan,
Dr. Paul D. Smith, Preceptors
Laboratory of Bioengineering and Physical Science

433. Sharanya Srinivasan

Analysis of Peptides and Molecular Samples
Edina High School
Hometown: Bethesda, MD
Dr. Richard Leapman, Preceptor
Laboratory of Bioengineering and Physical Science

434. Mary Sun

Studying Rapidly Reversible Protein-Protein Interactions by Sedimentation Velocity Analytical Ultracentrifugation
Thomas Jefferson High School for Science and Technology
Hometown: Centreville, VA
Dr. Huaying Zhao, Preceptor
Laboratory of Bioengineering and Physical Science

National Institute of Dental and Craniofacial Research (NIDCR)

435. Jose C Castillo

Fbln7-d3, a fragment of the extracellular matrix protein fibulin-7, binds to endothelial cells through integrin $\alpha 5\beta 1$ and inhibits cell migration
Duke University
Hometown: Laredo, TX
Dr. Yoshihiko Yamada,
Dr. Susana de Vega, Preceptors
Laboratory of Cell and Developmental Biology

436. Joshua Chou

The Role of Teneurin-4 in Neuronal and Oligodendroglial Cell Differentiation

Wheaton College

Hometown: Rockville, MD

Dr. Yoshi Yamada,

Dr. Nobuharu Suzuki, Preceptors

Laboratory of Cell and Developmental Biology

437. Ian Chow

Vasopressin Receptor Signaling in Hematopoietic Stem Cells and Bone Marrow Stromal Cells

Northwestern University

Hometown: Rockville, MD

Dr. Eva Mezey,

Dr. Balazs Mayer, Preceptors

Craniofacial and Skeletal Diseases Branch

438. David E Hershkowitz

Conservation of allosteric modulation across the TRPV family

Maret School

Hometown: Arlington, VA

Dr. Michael Iadarola,

Dr. Krisztian Kaszas, Preceptors

Laboratory of Sensory Biology

439. Alina T Hwang

Identification of the Dense Core Vesicle Membrane Protein IA-2 in Taste Buds

Quince Orchard High School

Hometown: Bethesda, MD

Dr. Tao Cai,

Dr. Abner Notkins, Preceptors

Oral Infection and Immunity Branch

440. Roberta A Kelm

Mutations in amino-terminus of mature DSPP may cause genetic diseases of dentin by misdirection of the secretory phosphoprotein into cell cytoplasm

University of Connecticut School of Dental Medicine

Hometown: New Britain, CT

Dr. Larry Fisher, Preceptor

Craniofacial and Skeletal Diseases Branch

441. Marissa A Kern

Generation of Marker-less Glycosidase Deletion Mutants in Streptococci for Studies of Salivary Glycoprotein Utilization within Oral Biofilms

Augustana College

Hometown: Porter, MN

Dr. John O. Cisar,

Dr. Robert J. Palmer, Preceptors

Oral Infection and Immunity Branch

442. Vichit H Lorn

Characterization of Signaling Pathways Engaged by Chitinases in Myeloid Cells

Gaithersburg High School

Hometown: Gaithersburg, MD

Dr. Sharon M. Wahl,

Dr. Nancy M. Vazquez, Preceptors

Oral Infection and Immunity Branch

443. Hammad Shah

Membrane-type matrix metalloproteinase activity is required for periodontal homeostasis

University of Maryland Baltimore County

Hometown: boyds, MD

Dr. Kenn Holmbeck, Preceptor

Craniofacial and Skeletal Diseases Branch

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

444. Suyesh Acharya

Using Accelerometers to Determine Human Movement

University of Pittsburgh

Hometown: Crescent Township, PA

Dr. Kong Chen,

Dr. Robert Brychtar, Preceptors

Clinical Endocrinology Branch

445. Vishesh Agrawal

Analysis of Insulin-like Activities of Natural Sources Using Isolated Rat Adipose Cells

University of Pennsylvania

Hometown: Salt Lake City, UT

Dr. Samuel Cushman, Preceptor

Diabetes Branch

446. Pritha Bhattacharyya

Effect of T/G Mismatch on the mutation of flanking DNA

Thomas Jefferson High School for Science and Technology

Hometown: Fairfax, VA

Dr. Anthony Furano,

Dr. Jia Chen, Preceptors

Laboratory of Molecular and Cellular Biology

447. John Chen

Identification of a thyroid hormone receptor target gene in the developing auditory system

Massachusetts Institute of Technology

Hometown: Richardson, TX

Dr. Douglas Forrest,

Dr. David Sharlin, Preceptors

Clinical Endocrinology Branch

448. Lu Chen

Modeling Fatty Acid Rebound after Glucose Tolerance Test Administration
California Institute of Technology
Hometown: Rockville, MD
Dr. Vipul Periwal, Preceptor
Laboratory of Biological Modeling

449. Danielle M Chou

Characterization of protein-protein interactions during activation of the Bordetella pertussis fim3 gene
Emory University
Hometown: Los Altos Hills, CA
Dr. Deborah Hinton, Preceptor
Laboratory of Molecular and Cellular Biology

450. Mary Ann de Banate

Effect of Exenatide therapy on cardiovascular disease risk biomarkers in individuals with type 1 diabetes
Scripps College
Hometown: Mount Rainier, MD
Dr. Kristina I. Rother, Preceptor
Clinical Endocrinology Branch

451. Brian J DuChez

Glucose Metabolism in HepG2 cells
George Washington University
Hometown: Gaithersburg, MD
Dr. Constance T. Noguchi, Preceptor
Molecular Medicine Branch

452. Michelle S Egllovitch

Characterization of Mutant Cell-Cycle Inhibitors in MEN1-like Diseases
University of Rochester
Hometown: Potomac, MD
Dr. Sunita K. Agarwal, Preceptor
Metabolic Diseases Branch

453. Anteneh K Fisseha

Multidrug Resistant Pumps in E. coli
Prince George's Community College
Hometown: Fort Washington, MD
Dr. Judah L. Rosner, Preceptor
Laboratory of Molecular Biology

454. Amanda M Foskett

Effects of Erythropoietin on Adipose Tissue, Glucose Metabolism, and Insulin Resistance in High-fat Diet Mouse Model
University of Florida
Hometown: Gainesville, FL
Dr. Constance Noguchi,
Dr. Li Wang, Preceptors

Molecular Medicine Branch

455. Mayra Y Garcia

Development of a Food Frequency Questionnaire for assessing artificial sweetener consumption

University of Puerto Rico

Hometown: Caguas, PR

Dr. Kong Chen, Preceptor

Metabolic Diseases Branch

456. Anne E Goodling

Recombinant Leptin Therapy Improves Insulin Sensitivity in Patients with Lipodystrophy

Messiah College

Hometown: Montgomery Village, MD

Ms. Elaine Cochran, Preceptor

Clinical Endocrinology Branch

457. Yanina Guevara

Association of Type-2 deiodinase gene polymorphisms with changes in T3 secretion in response to the TRH-stimulation test

DePauw University

Hometown: Chicago, IL

Dr. Francesco S. Celi, Preceptor

Clinical Endocrinology Branch

458. Nicholai A Henry

Structure-Function of Transcription Factor MotA from Bacteriophage T4

Emory University

Hometown: Suwanee, GA

Dr. Deborah Hinton, Preceptor

Laboratory of Molecular and Cellular Biology

459. Alexander P Hoekstra

Insights into Repeat Expansion in Fragile X Syndrome

Michigan State University

Hometown: Beverly Hills, MI

Dr. Karen Usdin,

Dr. Daman Kumari, Preceptors

Laboratory of Molecular and Cellular Biology

460. Sunaina Kapoor

The Effect of IL-7, a common gamma chain family cytokine, on Dendritic Cell Development

Washington University in St. Louis

Hometown: Great Falls, VA

Dr. Kristin Tarbell, Preceptor

Diabetes Branch

461. Sahar G Khan, Amy S Yang

Helicobacter pylori IVET Studies

Gaithersburg High School

Thomas Jefferson High School for Science and Technology
Hometown: Bethesda, MD
Bethesda, MD
Dr. William G. Coleman, Preceptor
Genetics and Biochemistry Branch

462. Diana K Lloyd

Development of Methods for Proteomics of Site-Specific Labeling Events
Virginia Tech
Hometown: Germantown, MD
Dr. Hans F. Luecke, Preceptor
Laboratory of Bioorganic Chemistry

463. Carolina Lopez De La Torre

Effects of Exenatide on Fasting Versus Post-Prandial Blood Glucose Levels in Patients with Type 1 Diabetes
San Diego State University
Hometown: Rockville, MD
Dr. Kristina Rother, Preceptor
Clinical Endocrinology Branch

464. Ke Ma

Characterization of the Activity of Human Deubiquitinases
University of Maryland, College Park
Hometown: Ellicott City, MD
Dr. Yihong Ye, Preceptor
Laboratory of Molecular Biology

465. Rachel A Marincola, Adela M Miller

Comparing the growth and differentiation of CD133 cells and CD34 cells
Winston Churchill High School
Winston Churchill High School
Hometown: Potomac, MD
Potomac, MD
Dr. Jeffery L. Miller,
Dr. David F. Stroncek, Preceptors
Molecular Medicine Branch

466. Jose E Martinez Garcia

Characterizing the effects of erythropoietin signaling on the cytokine response during adipose tissue inflammation
University of Puerto Rico in Ponce
Hometown: Juana Diaz, PR
Dr. Constance T. Noguchi, Preceptor
Molecular Medicine Branch

467. Joe Matten

CTCF Function in Mouse Erythroid Leukemia Cell Lines (MEL)
Canyon Crest Academy
Hometown: San Diego, CA
Dr. Jong Joo Lee, Preceptor

Laboratory of Cellular and Developmental Biology

468. Michael Mekonnen

DREAM5

Massachusetts Institute Of Technology

Hometown: Silver Spring, MD

Dr. Vipul Periwal, Preceptor

Laboratory of Biological Modeling

469. Ankit A Modi

Characterization of Gene Induction by HCVcc, Poly(I:C), and a HCV PAMP in Human Hepatocytes

University of California, Berkeley

Hometown: Arcadia, CA

Dr. T. Jake Liang,

Dr. Emmanuel Thomas, Preceptors

Liver Diseases Branch

470. Navin K Natarajan

Exploring the Iron Chaperone Function of PCBP3, PCBP4 and FMR1

New York University

Hometown: Mountain Top, PA

Dr. Caroline Philpott, Preceptor

Liver Diseases Branch

471. Divya Nayyar

Synthesis of motualevic acid analogs, a new structural class of antibiotics active against drug-resistant bacteria

Towson University

Hometown: BALTIMORE, MD

Dr. Carole Bewley, Preceptor

Laboratory of Bioorganic Chemistry

472. Ann Ouyang

Computational modeling of human metabolic adaptation and body weight change

Massachusetts Institute of Technology

Hometown: Dayton, MD

Dr. Kevin Hall, Preceptor

Laboratory of Biological Modeling

473. Tyler W Pacholski

Adipose Abuse: Hypertrophy, Hypoxia, and Inflammation

Wichita State University

Hometown: Wichita, KS

Dr. Vipul Periwal, Preceptor

Laboratory of Biological Modeling

474. Lisbeth Reyes-Fondeur

The Effect of IL17Rb on NS5A, NS3, and the Core Protein of Hepatitis C Virus

Fairfield University

Hometown: Rockville, MD

Dr. Shauna A. Clark, Preceptor
Liver Diseases Branch

475. Rebecca Rothwell

A Comparison of Statistical Methods for the Analysis of Interval Censored Data
University of North Carolina
Hometown: Columbia, MD
Dr. Elizabeth Wright,
Dr. Xiongce Zhao, Preceptors
Clinical Core Lab - (CCL)

476. Omar A Santiago Baez

A Comparison of TARA and BART Reveals Black African Men are Less Metabolically Healthy than African American Men
University of Puerto Rico Mayagüez Campus
Hometown: Ponce, PR
Dr. Anne E. Sumner, Preceptor
Clinical Endocrinology Branch

477. Jeffrey Siegel

Development of a line of cells expressing adenosine A2B receptors
Johns Hopkins University
Hometown: Potomac, MD
Dr. Ken Jacobson, Preceptor
Laboratory of Bioorganic Chemistry

478. Aleron B Toledo

Depression and Quality of Life in a Weight Loss study using Brain Stimulation
Arizona State University
Hometown: Phoenix, AZ
Dr. Jonathan Krakoff,
Dr. Marci Gluck, Preceptors
Phoenix Epidemiology and Clinical Research Branch

479. Salefu Tuvalu

Variation in ALMS1 is associated with obesity in Pima Indians
University of Idaho
Hometown: Moscow, ID
Mr. Darin K. Mahkee, Preceptor
Phoenix Epidemiology and Clinical Research Branch

480. Tessa L Walls

Glucose Metabolism in Erythroid Progenitor Cells
Hagerstown Community College
Hometown: Hancock, MD
Dr. Constance T. Noguchi,
Ms. Heather M. Rogers, Preceptors
Molecular Medicine Branch

481. Toni-Ann K Wiggan

Using Virtual Screening of Chemical Libraries and Pharmacological Characterization To

Discover P2Y14 Receptor Ligands
Howard University
Hometown: Upper Marlboro, MD
Dr. Kenneth A. Jacobson, Preceptor
Laboratory of Bioorganic Chemistry

482. Zifan Xiang

Study of M3 Muscarinic Acetylcholine Receptor Dimer Interface
Thomas S. Wootton High School
Hometown: Bethesda, MD
Dr. Jianxin Hu, Preceptor
Laboratory of Bioorganic Chemistry

483. Annie D Yang

Characterization of a Toll-like Receptor TIR Domain
McLean High School
Hometown: McLean, VA
Dr. Istvan Botos, Preceptor
Laboratory of Molecular Biology

484. Jennifer Q Zhao

Analysis of Stat5 in Regulating Muscle Stem Cell Proliferation
Thomas Jefferson High School for Science and Technology
Hometown: Bethesda, MD
Dr. Lothar Hennighausen,
Dr. Peter Klover, Preceptors
Laboratory of Genetics and Physiology

485. Xinyi Zhu

A Bioinformatic Analysis of RNA PolIII Dynamics in O-GlcNAc Cycling Mutants
Thomas S Wootton
Hometown: North Potomac, MD
Dr. John A. Hanover, Preceptor
Laboratory of Cell Biochemistry and Biology

486. Amanda C Zirzow

The Role of O-GlcNAc Protein Modification in the Regulation of Circadian Rhythm
George Mason University
Hometown: Fairfax, VA
Dr. John A. Hanover,
Dr. Dona Love, Preceptors
Laboratory of Cell Biochemistry and Biology

National Institute of Environmental Health Sciences (NIEHS)

487. Qihua Fan

Characterizing Subcellular Localization of the HARSL Protein
Duke University
Hometown: Greenville, NC

Dr. Frederick W. Miller,
Dr. Terry O'Hanlon, Preceptors
Office of Clinical Research, Environmental Autoimmunity Group

National Institute of Mental Health (NIMH)

488. Leila J Ameli-Grillon

Social Phobia: Just Shyness?
College of Charleston
Hometown: Kensington, MD
Dr. Kathleen R. Merikangas,
Dr. Marcy Burnstein, Preceptors
Genetic Epidemiology Research Program

489. Jennifer F Azeez

Analyzing the gene regulation by the slow-transmitter PACAP in chromaffin cells
Payton High School
Hometown: Chicago, IL
Dr. Lee E. Eiden,
Dr. Djida Ait-Ali, Preceptors
Laboratory of Cellular and Molecular Regulation

490. Maria M Barsky

Examining the Social Factor in Decision Making: A Behavioral Study
Dartmouth College
Hometown: San Francisco, CA
Dr. Bruno Averback,
Dr. Nicholas Furl, Preceptors
Laboratory of Neuropsychology

491. Catherine W Blackwell

Children with Remitted Autism: a Case Series
University of Maryland, Baltimore County
Hometown: Columbia, MD
Dr. David Black,
Dr. Susan Swedo, Preceptors
Pediatric and Developmental Neuroscience Branch

492. Benjamin A Bloom

Behavioral Investigation of Postpartum Oxytocin Receptor KO Mice
University of Virginia
Hometown: Rockville, MD
Dr. Abbe L. Macbeth, Preceptor
Laboratory of Cellular and Molecular Regulation

493. Kathleen M Cardinale

Regulation of circadian gene expression by activity-dependent BDNF in the prefrontal cortex
University of Virginia

Hometown: Charlottesville, VA
Dr. Keri Martinowich,
Dr. Robert Schloesser, Preceptors
Laboratory of Molecular Biology

494. Mayukh Chakrabarti

Angiotensin II Receptor Blockers (ARB) reduce brain inflammation
University of Maryland - Baltimore County
Hometown: Gaithersburg, MD
Dr. Juan M. Saavedra, Preceptor
Section on Pharmacology

495. Reena Clements

Do Different Risk Variant Frequencies Across Populations Lead to False Genome-Wide Association Study Findings?
Boston University
Hometown: Edison, NJ
Dr. Francis McMahon, Preceptor
Unit on Genetic Basis on Mood and Anxiety Disorders

496. Michelle A Cornacchia

Differentiating between Early Onset and Regressive Autism through Pediatric Records
The College of New Jersey
Hometown: Aberdeen, NJ
Dr. Susan Swedo,
Dr. Sarah Spence, Preceptors
Pediatric and Developmental Neuroscience Branch

497. Jan Czereminski

Genetic Predictors of Antipsychotic Drug Metabolism
McGill University
Hometown: Wayland, MA
Dr. Kristin Bigos, Preceptor
Genes, Cognition, and Psychosis Program

498. Carolyn M Davidson, Jamie R Genderson

Subthreshold Symptom and Personality Traits in Unaffected Siblings of Schizophrenia Patients
Ohio University
Tulane University
Hometown: Fairfax Station, VA
Rockville, MD
Dr. Dwight Dickinson, Preceptor
Clinical Brain Disorders Branch

499. Ann M Decker

Paralinguistic Emotion Labeling in Youth with Bipolar Disorder and Severe Mood Dysregulation
University of Virginia
Hometown: Rockville, MD
Dr. Ellen Leibenluft, Preceptor

Genetic Epidemiology Research Program

500. Caroline Diehl

Exploration of miRNAs as Regulators of Long-Term Depression in the Hippocampus

Bethesda-Chevy Chase High School

Hometown: Chevy Chase, MD

Dr. Zheng Li,

Dr. Zhonghua Hu, Preceptors

Clinical Brain Disorders Branch

501. Chen Dou

Bcl-2 associated Athanogene (BAG-1) Regulates GR Trafficking to the Mitochondria:

Roles in Chronic Stress

Poolesville High School

Hometown: North Potomac, MD

Dr. Jing Du, Preceptor

Laboratory of Molecular Pathophysiology

502. Katherine M Dove

An Analysis of Genomic Saliva Pretreatment for Robotic High-Throughput DNA Extraction

College of William and Mary

Hometown: Alexandria, VA

Dr. Yohan Lee, Preceptor

Child Psychiatry Branch

503. Nikki Duong

Is olfactory sensitivity related to mood disorders?

University of Maryland

Hometown: Brookeville, MD

Dr. Kathleen R. Merikangas, Preceptor

Genetic Epidemiology Research Program

504. Adam J Gerber, Elizaveta Bourchtein

Common Genetic Risk Factors for Schizophrenia and Autism Spectrum Disorder

UMBC

Wesleyan University

Hometown: Baltimore, MD

Fanwood, NJ

Dr. Thomas Hyde, Preceptor

Clinical Brain Disorders Branch

505. Alexandra J Giedd

Quantitative Morphology of the Developing Corpus Callosum in Health and Illness:

Regressive vs Non-regressive Autism - Ages 2-6 years

Winston Churchill High School

Hometown: Potomac, MD

Dr. Jay N. Giedd, Preceptor

Child Psychiatry Branch

506. Ian A Gold

Tolcapone Modulates Cingulate Cortex during Attentional Control

Grinnell College

Hometown: takoma park, MD

Dr. Venkata A. Mattay, Preceptor

Genes, Cognition, and Psychosis Program

507. Sarah E Gordon

Diffusion Tensor Imaging in Children with Autism

Columbia University

Hometown: Andover, MA

Dr. Marta Gozzi,

Dr. Susan Swedo, Preceptors

Pediatric and Developmental Neuroscience Branch

508. Emma D Griffin

Complex Network Measures of Functional Brain Connectivity During Working Memory Tasks

Yale University

Hometown: Washington, DC

Dr. Karen F. Berman,

Dr. Daniel P. Eisenberg, Preceptors

Clinical Brain Disorders Branch

509. Victoria A Grunberg

Emotional and Behavioral Difficulties in US adolescents: Data from the National Comorbidity Survey Replication Adolescent Supplement (NCS-A)

University of Colorado

Hometown: Bethesda, MD

Dr. Kathleen R. Merikangas, Preceptor

Genetic Epidemiology Research Program

510. Alicia Hamar

Molecular Signatures of APOE Genotypes in Postmortem Human Cortex in Populations with Different Risks for Alzheimer's Disease

HB Woodlawn

Hometown: Arlington,, VA

Dr. Joel E. Kleinman,

Dr. Bhaskar S. Kolachana, Preceptors

Clinical Brain Disorders Branch

511. Alli Hanley

Gestures as a predictor of language in Autism Spectrum Disorders

Nova Southeastern University

Hometown: Lantana, FL

Dr. Stacy Shumway,

Dr. Audrey Thurm, Preceptors

Pediatric and Developmental Neuroscience Branch

512. Maximilian M Li

Tumor Necrosis Factor-alpha Enhanced AMPA-containing Synaptogenesis in the Central Nervous System

Princeton University
Hometown: North Potomac, MD
Dr. Jing Du, Preceptor
Laboratory of Molecular Pathophysiology

513. Jonae N Lloyd

IQ and Childhood Onset Schizophrenia
Winston Churchill High School
Hometown: Potomac, MD
Mr. Peter A. Gochman,
Dr. Judith L. Rapoport, Preceptors
Child Psychiatry Branch

514. Sharon Long

A Comparison of Diagnostic Nonspecificity between Psychiatric Disorders Through the Analysis of Copy Number Variants Via the UCSC Genome Browser
McGill University
Hometown: Leesburg, VA
Dr. Yohan Lee, Preceptor
Child Psychiatry Branch

515. Sima Lotfi

Disclosing genetic test results to minors: the role of the clinician
Wellesley College
Hometown: Owings Mills, MD
Dr. Maryland Pao, Preceptor
Office of the Clinical Director

516. Ambika Mathur

The effects of mutations of the narrow abdomen channel on phototaxis in Drosophila larvae
University of Maryland College Park
Hometown: Crofton, MD
Dr. David J. Sandstrom,
Dr. Howard A. Nash, Preceptors
Laboratory of Molecular Biology

517. Michael J McLaughlin

Quantitative Morphology of the Developing Corpus Callosum in Health and Illness: High Functioning Autism Spectrum Disorder - Ages 12-24 yrs
Gonzaga College High School
Hometown: Kensington, MD
Dr. Jay N. Giedd, Preceptor
Child Psychiatry Branch

518. Lindsay B Myerberg

Parental Death by Suicide vs. Medical Illness: Psychological Effects on Children
University of Richmond
Hometown: Drayden, MD
Dr. Maryland Pao,
Dr. Lisa Horowitz, Preceptors

Office of the Clinical Director

519. Jeffrey L Nadel

Effects of Exercise on Regional Rates of Cerebral Protein Synthesis in Normal Rats

Colorado College

Hometown: Colorado Springs, CO

Ms. Kathleen Schmidt,

Dr. Alan J. Zametkin, Preceptors

Section on Neuroadaptation and Protein Metabolism

520. Olusegun S Ogunwomoju

Investigating the role of tnfr2 in neuroprotection by analyzing gene expression in bovine chromaffin cells after exposure to TNF-alpha

The Hotchkiss School

Hometown: Bronx, NY

Dr. Lee E. Eiden,

Dr. Babru Samal, Preceptors

Laboratory of Cellular and Molecular Regulation

521. Dhruv N Patel

How accurate are adolescents in reporting parental mental health?

University of Maryland

Hometown: UPPER MARLBORO, MD

Dr. Kathleen R. Merikangas,

Dr. Leanne Heaton, Preceptors

Genetic Epidemiology Research Program

522. Kathryn L Reichard

Regulation of axonal ATP synthase (C1) expression: effects on axonal growth and ROS production

Colorado College

Hometown: Colorado Springs, CO

Dr. Barry Kaplan, Preceptor

Laboratory of Molecular Biology

523. Aileen M Robles-Caraballo

Quantitative Morphology of the Developing Corpus Callosum in Health and Illness: Klinefelter Syndrome (XXY)

Universidad del Este

Hometown: Washington, DC

Dr. Jay N. Giedd, Preceptor

Child Psychiatry Branch

524. Franchesca B Rodriguez-Pacheco

Quantitative morphology of the developing corpus callosum in health and illness: sex chromosome variation disorders

Colegio Luterano Resurreccion Inc.

Hometown: Washinton, DC

Dr. Jay N. Giedd, Preceptor

Child Psychiatry Branch

525. Eva Seligman

Association between CYP1A2 genotype and serum concentration of riluzole in pediatric patients with OCD

University of Michigan Medical School

Hometown: Potomac, MD

Dr. Susan Swedo,

Dr. Paul Grant, Preceptors

Pediatric and Developmental Neuroscience Branch

526. Kelly G Shan

Comparing Cell Signaling Effects of Mood Stabilizers in Brain Neurons

The Bryn Mawr School

Hometown: Ellicott City, MD

Dr. De-Maw Chuang,

Dr. Yan Leng, Preceptors

Section on Molecular Neurobiology

527. Kelly S Sherman

Psychiatric Diagnoses in the Parents of Youth with Bipolar Disorder or Severe Mood Dysregulation

University of Pennsylvania

Hometown: Washington, DC

Dr. Ellen Leibenluft,

Dr. Christen Deveney, Preceptors

Genetic Epidemiology Research Program

528. Benjamin S Stan

Effects of Aging on Response Inhibition and Conflict Monitoring: An fMRI Study

Duke University

Hometown: Annandale, VA

Dr. Venkata A. Mattay, Preceptor

Genes, Cognition, and Psychosis Program

529. Pamela M Summers

Attentional Performance Among Individuals with and without a History of Migraine

Williams College

Hometown: Bethesda, MD

Dr. Kathleen R. Merikangas,

Dr. Marcy Burnstein, Preceptors

Genetic Epidemiology Research Program

530. Eugene Wang

Optogenetic approach to control pyramidal neurons in the prefrontal cortex of genetic animal models for cognitive dysfunction of schizophrenia

Jericho High School

Hometown: Hicksville, NY

Dr. Jingshan Chen, Preceptor

Clinical Brain Disorders Branch

531. Paula Wu

Responses of the functional MRI BOLD signal to breathing challenges

University of California, Los Angeles
Hometown: Palo Alto, CA
Dr. Peter A. Bandettini,
Dr. Daniel A. Handwerker, Preceptors
Laboratory of Brain and Cognition

532. Qi (Jade) Wu

Emotion Labeling Impairments in Preschoolers: Candidate Endophenotype for Bipolar Disorder

Cornell University
Hometown: Shoreview, MN
Dr. Ellen Leibenluft,
Dr. Melissa Brotman, Preceptors
Genetic Epidemiology Research Program

533. Tim Xu, Victorine Muse

Independent Component Analysis of the N-Back Working Memory Task in Schizophrenia Subjects

Vanderbilt University
Milton Academy
Hometown: Vienna, VA
Washington, DC
Dr. Joseph H. Callicott,
Dr. Venkata Mattay, Preceptors
Clinical Brain Disorders Branch

534. Grace Y Zhang

The Role of Schizophrenia Susceptible Gene KCNH2 on Synaptogenesis

Poolesville High School
Hometown: Bethesda, MD
Dr. Jingshan Chen, Preceptor
Clinical Brain Disorders Branch

National Institute of Neurological Disorders and Stroke (NINDS)

535. Mark J Amirtharaj

Ventral Medial Thalamus - Motor Cortex Coherence and Beta Frequency Activity in an Awake Behaving Rodent Model of Parkinson's Disease

University of Maryland College Park
Hometown: Germantown, MD
Dr. Judith R. Walters,
Ms. Christina Hatch, Preceptors
Neurophysiological Pharmacology Section

536. Michelle L Arey

VLPFC Damage Predicts Deficits in Intelligence Facets: The Role of the VLPFC in Fantasy and Imagination

University of North Carolina at Wilmington
Hometown: Silver Spring, MD

Dr. Joshua C. Poore, Preceptor
Cognitive Neuroscience Section

537. Bina B Bansinath

The Impact of Auditory Training on Motor Function
Stuart Country Day School of the Sacred Heart
Hometown: North Brunswick, NJ
Dr. Marianne A. Stephan,
Dr. Leonardo G. Cohen, Preceptors
Human Cortical Physiology and Stroke Neurorehabilitation

538. Rachel M Behrend

Renshaw Interneurons in Spinal Muscular Atrophy
Bryn Mawr College
Hometown: Bethesda, MD
Dr. Vatsala Thirumalai, Preceptor
Laboratory of Neurobiology

539. Detti H Belina

Neurons, Astrocytes, or Oligodendrites?
Paint Branch High School
Hometown: Silver Spring, MD
Dr. Daniel Hoepfner, Preceptor
Laboratory of Molecular Biology

540. Allison S Binder

Behavioral Correlates of Superstitious Beliefs
The George Washington University
Hometown: Ramsey, NJ
Dr. Frank Krueger, Preceptor
Cognitive Neuroscience Section

541. Daniel W Bowen

Correlation between computerized spirometry and subjective tremor ratings in patients with essential tremor
Wake Forest University
Hometown: Solon, OH
Dr. Dietrich Haubenberger, Preceptor
Medical Neurology Branch

542. Laura E Braun

The Correlation Between Motor Scoring and Functional Tests
Walter Johnson High School
Hometown: Bethesda, MD
Dr. Mary Kay Floeter, Preceptor
Laboratory of Neurophysiology

543. Youda Cao

Effects of SPG3A mutations in atlastin-1 on axon and dendrite growth in cultured neurons
Swarthmore College

Hometown: Belle Mead, NJ
Dr. Craig Blackstone,
Dr. Peng-Peng Zhu, Preceptors
Cellular Neurology Unit

544. Noo R Chai

Phenotype and Function of NK cells in Multiple Sclerosis Patients
Brown University
Hometown: Gaithersburg, MD
Dr. Wenzheng Jiang, Preceptor
Neuroimmunology Branch

545. Morgan B Clinton

Quantification of Baroreflex-Sympathoneural Function in Patients with Chronic Autonomic Failure
University of South Carolina
Hometown: Washington, DC
Dr. David Goldstein, Preceptor
Clinical Neurocardiology Section

546. Katharina R Clore-Gronenborn

Retinal pigment epithelium-specific expression of transgenic TCFCF, a homolog of the pigment cell transcription factor MITF
UCSB
Hometown: Bethesda, MD
Dr. Heinz Arnheiter,
Dr. Kapil Bharti, Preceptors
Mammalian Development Section

547. Allison P Del Giorno, Julie A Foucher

Modeling Respiratory Neural Circuits in the Mammalian Brain Stem
Georgia Institute of Technology
University of Michigan
Hometown: Eldersburg, MD
Northville, MI
Dr. Jeffrey C. Smith, Preceptor
Cellular and Systems Neurobiology Section

548. Lauren A Demers

The role of reward during implicit motor sequence learning
Bates College
Hometown: Bethesda, MD
Dr. Leonora Wilkinson,
Dr. Eric Wassermann, Preceptors
Brain Stimulation Unit

549. Anastasia A Ford

Diffusion-Weighted Imaging and Voxel-Based Morphometry in Cervical Dystonia
University of Florida
Hometown: Bethesda, MD
Dr. Silvina Horovitz, Preceptor

Medical Neurology Branch

550. Sean E Heaton

Transcranial Direct Current Stimulation and Motor Learning in a Novel Three-Dimensional Task

Skidmore College

Hometown: Washington, DC

Ms. Stephanie Maxfield Panker,

Dr. Leonard Cohen, Preceptors

Human Cortical Physiology and Stroke Neurorehabilitation

551. Matthew Huberty

Using T1 map to guide functional MRI study of ipsilateral somatosensory response in awake non-human primates (tentative title)

Marquette University

Hometown: Bethesda, MD

Dr. Junjie Liu,

Dr. Afonso Silva, Preceptors

Laboratory of Functional and Molecular Imaging

552. Alyssa R Huebner

Herpes Virus Infection as a Model for MS in the Marmoset: Virological and Immunological Assessment

Florida Southern College

Hometown: Largo, FL

Dr. Steve Jacobson,

Dr. Jillian Wohler, Preceptors

Neuroimmunology Branch

553. Anita K James

Tracing thalamocortical connections using Manganese enhanced MRI

University of Pittsburgh

Hometown: Tobyhanna, PA

Dr. Xin Yu, Preceptor

Laboratory of Functional and Molecular Imaging

554. Scott J Koenig

Phenotypization of immortalized B cells derived from the cerebrospinal fluid of patients with neuroimmunological disorders

United States Naval Academy

Hometown: Timonium, MD

Dr. Quangang Xu, Preceptor

Neuroimmunology Branch

555. Vishnupriya M Krishnan

Validation of Automatic Detection of Gadolinium Enhancing Lesions in Multiple Sclerosis

The Holton-Arms School

Hometown: Potomac, MD

Dr. Daniel Reich, Preceptor

Neuroimmunology Branch

556. Modinat Lawal

Inflammatory infiltrate in the brains of MyD88 -/- and TRIF mutant mice following permanent Middle Cerebral Artery Occlusion

Smith College

Hometown: Glenn Dale, MD

Dr. Bola Famakin,

Dr. John Hallenbeck, Preceptors

Stroke Branch

557. Rachel D Leksana

Mechanistic Dissection of Katanin

Montgomery Blair High School

Hometown: Rockville, MD

Dr. Atonina Roll-Mecak, Preceptor

Cell Biology and Biophysics Unit

558. Graham P Lobel

Generation of Astrocyte Progenitors from Newborn Mice

Thomas Jefferson High School for Science and Technology

Hometown: McLean, VA

Dr. Chunzhang Yang,

Dr. Zhengping Zhuang, Preceptors

Surgical Neurology Branch

559. Alexandre G Lockhart

cis-Decoder Tree – A Web-based tool for regulatory enhancer classification using phylogenetic tree structure

North Carolina State University

Hometown: Raleigh, NC

Mr. Amarendra S. Yavatkar,

Dr. Yang Fann, Preceptors

Intramural Information Technology Program

560. Danielle R Locust

Vitamin D Effect in Multiple Sclerosis

University of Colorado Denver

Hometown: Pine Ridge, SD

Dr. Steven Jacobson,

Dr. Fredrick Cantor, Preceptors

Neuroimmunology Branch

561. Ellen Macadam

Neural correlates of Emotional Intelligence

Harvard University

Hometown: Atlanta, GA

Ms. Kris Knutson,

Dr. Frank Krueger, Preceptors

Cognitive Neuroscience Section

562. Maxwell I Moholy

Volume Loss Due to Traumatic Brain Injury Predicts Variation in Personality Factors

Idaho State University
Hometown: Pocatello, ID
Dr. Joshua C. Poore, Preceptor
Cognitive Neuroscience Section

563. Bianca R Moiseff

BDNF Polymorphisms Moderate OFC Dependent Inhibition of Stereotypes
University of Michigan
Hometown: Portola Valley, CA
Dr. Chad E. Forbes, Preceptor
Cognitive Neuroscience Section

564. David Moosavi

Functional connectivity in Parkinson's disease
Santa Monica College
Hometown: Olney, MD
Dr. Silvina Horovitz, Preceptor
Medical Neurology Branch

565. Brent C Morel

Detecting Acute Ischemic Stroke By Measuring Cerebral Blood Volume (CBV) Increases Using Vascular Space Occupancy (VASO) MRI
Emory University
Hometown: Lititz, PA
Dr. Li An, Preceptor
Stroke Branch

566. Felacita L Nez

Comparison of Non-Invasive Techniques to Measure Cardiac Stroke Volume
University of Colorado Denver
Hometown: Montgomery Village, MD
Dr. David Goldstein, Preceptor
Clinical Neurocardiology Section

567. Jonathan Nofziger

CNS Delivery of a Proteasome Inhibitor as a Therapy for Spinal Muscular Atrophy
Eastern Mennonite University
Hometown: Stevens, PA
Dr. Kenneth Fischbeck, Preceptor
Neurogenetics Branch

568. Anna Oguhebe

Protein interactions of the hereditary spastic paraplegia type SPG15 protein FYVE-CENT
Vanderbilt University
Hometown: Jackson, MS
Dr. Craig Blackstone, Preceptor
Cellular Neurology Unit

569. Natassja Pal

Gait imagery in patients with Parkinson's disease: freezers vs. non-freezers

Portland State University
Hometown: Silver Spring, MD
Dr. Kazumi Iseki, Preceptor
Medical Neurology Branch

570. Roopa S Pandit

Biomarkers of oxidative stress in the cerebrospinal fluid of patients with neuroimmunological disorders
Kalamazoo College
Hometown: Freeland, MI
Dr. Simone Wuest, Preceptor
Neuroimmunology Branch

571. Karthya Potti

CH157 Phage Display: Comparing High Affinity Peptide Sequences in an Animal Model Versus In Vitro
University of Maryland, College Park
Hometown: Gaithersburg, MD
Dr. Xiang Wang,
Dr. Ashok Asthagiri, Preceptors
Surgical Neurology Branch

572. Tyler V Reed

Data Repository Automation for Gene Ontology and Pathway Hierarchy EncodeR
Gannon University
Hometown: Erie, PA
Dr. Yang C. Fann, Preceptor
Intramural Information Technology Program

573. Sophia Rizvi

Comprehensive investigation of the mechanism of action of CD25-blocking Ab DAC-HYP in multiple sclerosis (MS)
University of Maryland
Hometown: Gaithersburg, MD
Mr. Sungpil Han,
Dr. Bibiana Bielekova, Preceptors
Neuroimmunology Branch

574. Theodore L Roth

Viral Persistence Triggers Chronic Innate Immune Stimulation and Altered Gene Expression in the CNS
Vestavia Hills High School
Hometown: Birmingham, AL
Dr. Dorian McGavern, Preceptor
Laboratory of Molecular Medicine and Neuroscience

575. Aparna Sajja

Spectral Properties of Transgenic Zebrafish Retinas
Leonardtwn High School
Hometown: Leonardtown, MD
Dr. Ralph Nelson, Preceptor

Neural Circuits Unit

576. Apeksha Saxena

Mapping Lineage Progression of CD57+ Neural Progenitors at the Onset of Rat Cortical Neurogenesis

University of Texas at Dallas

Hometown: Monroe Township, NJ

Dr. Dragan Maric, Preceptor

Laboratory of Neurophysiology

577. Linda H Scheider, Regina M Zolbrod

Objective Measures of Parkinsonian Rigidity: Design and Optimization of an Instrumented Assessment

Virginia Commonwealth University

The Catholic University of America

Hometown: Fairfax, VA

Thurmont, MD

Dr. Codrin I. Lungu, Preceptor

Neuromuscular Disease Section

578. Linda H Scheider

Streamlining Accelerometry and EMG Data Analysis in a Clinical Trial of Patients with Essential Tremor

Virginia Commonwealth University

Hometown: Fairfax, VA

Dr. Dietrich Haubenberger, Preceptor

Medical Neurology Branch

579. John E Shen

Expression of Developmental Signals in CNS Hemangioblastomas

New York Institute of Technology

Hometown: Ridgewood, NJ

Dr. Marsha Merrill, Preceptor

Surgical Neurology Branch

580. Lauren M Sigman

An fMRI comparison of motor learning: association vs. imitation

University of Texas at Austin

Hometown: Austin, TX

Dr. Aviva Ellenstein, Preceptor

Medical Neurology Branch

581. Jesse A Stokum

Functional Connectivity of Language in Epilepsy with Group Independent Component Analysis

Carnegie Mellon University

Hometown: Pittsburgh, PA

Dr. William H. Theodore, Preceptor

Clinical Epilepsy Section

582. Alexander V Tereshchenko

Modulation of GABA Concentration in Human Motor Cortex in Response to Implicit Sequence Learning

University of Michigan

Hometown: Ellicott City, MD

Dr. Eric F. Mooshagian,

Dr. Eric Wassermann, Preceptors

Brain Stimulation Unit

583. Max J Vinograd

Drug Delivery on Demand Using Magnetically Activated Iron-Oxide Chains

Catawba College

Hometown: Bethesda, MD

Dr. Alan P. Koretsky,

Ms. Kathy Ireland, Preceptors

Laboratory of Functional and Molecular Imaging

584. Jessica M Walthall

Cerebral activity related to primary motor stereotypies in children: an EEG study

Duke University

Hometown: Olney, MD

Dr. Elise Houdayer, Preceptor

Medical Neurology Branch

585. Veronica Watters

Sensory Habituation in Tourette syndrome

Princeton University

Hometown: Pine Ridge, SD

Dr. Beth Belluscio, Preceptor

Medical Neurology Branch

586. Francesca Weaks, Phoebe F Oldach

Reducing risks to women of childbearing potential in NIH Intramural Clinical Trials: Preventing pregnancy and planning for unanticipated pregnancies

North Carolina Agricultural and Technical State University

Dickinson College

Hometown: Fort Washington, MD

Chapel Hill, NC

Dr. Barbara Karp,

Dr. Pamela Stratton, Preceptors

Institutional Review Board

587. Sandra C Yan

Determining Iron Concentration in the Motor Cortices of Patients with Focal Hand Dystonia

Montgomery Blair High School

Hometown: Derwood, MD

Dr. Silvina Horovitz,

Dr. Mark Hallett, Preceptors

Medical Neurology Branch

588. Charlotte L Yang

3-D Localization of CaMKII within the Postsynaptic Density using EM Tomography
Massachusetts Institute of Technology
Hometown: Cerritos, CA
Dr. Ayse Dosemeci, Preceptor
Laboratory of Neurobiology

589. Sarah H Yang

Interactions of the novel MIT-domain-containing protein MITD1 with ESCRT-III subunits
University of Maryland
Hometown: Potomac, MD
Dr. Craig Blackstone, Preceptor
Cellular Neurology Unit

590. Nadia Yusuf

Action-Effect Binding in Psychogenic Movement Disorder
Howard University College of Medicine
Hometown: Rockville, MD
Dr. Sarah M. Kranick, Preceptor
Medical Neurology Branch

591. Regina M Zolbrod

Retrospective Analysis of Efficacy and Side Effects of Long Term Botulinum Toxin Therapy: Demographic Characteristics and Predictors of Efficacy
The Catholic University of America
Hometown: Thurmont, MD
Dr. Codrin I. Lungu, Preceptor
Medical Neurology Branch

592. Regina M Zolbrod, Linda H Scheider

Design and Implementation of a Centralized Electronic Database for NIH Parkinson's Clinic
The Catholic University of America
Virginia Commonwealth University
Hometown: Thurmont, MD
Fairfax, VA
Dr. Codrin I. Lungu, Preceptor
Medical Neurology Branch

National Institute of Nursing Research (NINR)

593. Allison Koutsandreas, Annie Wang

Fatigue in Healthy Individuals
University of Pittsburgh
Russellville High School
Hometown: North Potomac, MD
Russellville, AR
Dr. Leorey Saligan,
Dr. Jessica Gill, Preceptors
Symptom Management Laboratory

594. Virginia Lynn Peterson

Exploring the Relationship between Genetic Expression of Obesity Biomarkers and Body Fat Percentage.

Salisbury University

Hometown: Salisbury, MD

Dr. Wendy A. Henderson, Preceptor

Symptom Management Laboratory

595. Hannah P Rak

Overnight Plasma Neuropeptide Levels in Patients with Post Traumatic Stress Disorder

George C. Marshall High School

Hometown: Vienna, VA

Dr. Jessica Gill, Preceptor

Symptom Management Laboratory

National Institute on Aging (NIA)

596. Wajiha Z Akhtar

Association of Chronic Kidney Disease with Cognitive Performance and Gait Speed in Older Adults

University of Florida

Hometown: Gainesville, FL

Dr. Kushang V. Patel,

Dr. Jack Guralnik, Preceptors

Laboratory of Epidemiology, Demography and Biometry

597. Joseph T Berko

miRNA profiling in HeLa cells during cell cycle

University of Maryland Easternshore

Hometown: Columbia, MD

Dr. Myriam Gorospe,

Dr. Kotb abdelmohsen, Preceptors

Laboratory of Cellular and Molecular Biology

598. Adrian G Cadar

Novel Enzymatic Activities of the Firefly Luciferase

University of North Texas

Hometown: Baltimore, MD

Dr. Steven Sollott, Preceptor

Laboratory of Cardiovascular Science

599. Courtney M Carroll

Does SKN-1/NRF-2 impact chemosensory behavior?

Hamilton College

Hometown: Sharon, MA

Dr. Cathy Wolkow, Preceptor

Laboratory of Neurosciences

600. Christopher Chen

Tracking Directed Embryonic Stem Cell Differentiation Using Morphology and Pattern Recognition

Cornell University

Hometown: Ellicott City, MD

Dr. Ilya Goldberg,

Dr. John D. Delaney, Preceptors

Laboratory of Genetics

601. Kevin H Chen

Alterations in Neurotransmitter Transporters in Postmortem Frontal Cortex of Alzheimer's Patients

The University of Chicago

Hometown: Potomac, MD

Dr. Jagadeesh S. Rao, Preceptor

Brain, Physiology and Metabolism Section

602. Adam A Collins-Belshe

Changes in Prostaglandins in Mouse Brain during Cuprizone-induced Demyelination and Remyelination

Sandhills Community College

Hometown: Washington, DC

Dr. Francesca Bosetti, Preceptor

Brain, Physiology and Metabolism Section

603. Loren L Fierstein

Is CCR4 Chemokine Receptor Leading Breast Cancer Cells to Lungs?

Towson University

Hometown: Huntingtown, MD

Dr. Ioana M. Bodogai,

Dr. Arya Biragyn, Preceptors

Laboratory of Immunology

604. Kriti Gandhi

Combining Running and Environmental Enrichment Improves Open Field Adaptation and Adult Neurogenesis

McGill University

Hometown: Ellicott City, MD

Dr. Henriette van Praag,

Dr. Tali Kobilov-Moav, Preceptors

Laboratory of Neurosciences

605. Anabel Gonzalez Gil

Comparative Analysis of Sea Urchin and Mammalian Rag1/Rag2 proteins

Florida International University

Hometown: Hialeah, FL

Dr. Sebastian Fugmann, Preceptor

Laboratory of Cellular and Molecular Biology

606. Colleen T Harrington

Analysis of Differential Protein Expression by DIGE and LC-MS

University of Virginia
Hometown: Baltimore, MD
Dr. Rong-Fong Shen, Preceptor
Research Resources Branch

607. Nicole A Harris

Delineating the mechanisms by which the DNA repair protein APE1 affects genome stability

University of North Texas
Hometown: San Antonio, TX
Dr. David M. Wilson, Preceptor
Laboratory of Molecular Gerontology

608. Nathan D Herdener

Effects of Chronic Mild Stress on Alzheimer's Disease

Oregon State University
Hometown: McMinnville, OR
Dr. Sarah M. Rothman, Preceptor
Laboratory of Neurosciences

609. Timothy J Hohman

Personality and Subjective Cognitive Complaints

American University
Hometown: Washington, DC
Dr. Lori Beason-Held, Preceptor
Laboratory of Personality and Cognition

610. Irfan S Khan

Functional Analysis of ChIR1 Helicase Defective in Warsaw Breakage Syndrome

Atholton High School
Hometown: Columbia, MD
Dr. Robert Brosh, Preceptor
Laboratory of Molecular Gerontology

611. Akihiro C Ko

Effects of Kinase Inhibition in an in vitro Model of Ovarian Cancer Drug Resistance

Dulaney High School
Hometown: Cockeysville, MD
Dr. Patrice J. Morin,
Dr. Cheryl A. Sherman-Baust, Preceptors
Laboratory of Cellular and Molecular Biology

612. Shauna T Linn

Gait Speed in the Older U.S. Population: Findings from the National Health and Nutrition Examination Surveys, 1988-1994 and 1999-2002

Johns Hopkins University
Hometown: Baltimore, MD
Dr. Kushang V. Patel,
Dr. Jack M. Guralnik, Preceptors
Laboratory of Epidemiology, Demography and Biometry

613. Melody C Liu

Alzheimer's disease (AD) and vascular dementia (VD)
Thomas Jefferson High School for Science and Technology
Hometown: Sterling, VA
Dr. Binbing Yu,
Ms. Caroline Phillips, Preceptors
Laboratory of Epidemiology, Demography and Biometry

614. Sandra M Mantilla

Effect of Temperature on the Timing of Age-State Transitions in C. elegans
Florida International University
Hometown: Hollywood, FL
Dr. Ilya Goldberg, Preceptor
Laboratory of Genetics

615. Kayla L Mohr

Investigating the role of PTEN subcellular compartmentalization in differentiation and proliferation of murine neuronal stem cells
Lynchburg College
Hometown: Baltimore, MD
Dr. Simonetta Camandola, Preceptor
Laboratory of Neurosciences

616. Julia M Nagle

Investigating Novel Binding Partners of the DNA Damage Sensor Protein PARP-1
Harvard University
Hometown: Silver Spring, MD
Dr. Nicole Noren Hooten,
Dr. Michele Evans, Preceptors
Laboratory of Cellular and Molecular Biology

617. Chiemela J Ogbonna

Zscan4 Response to DNA Damage Induced by Mitomycin
Bowie High School
Hometown: Bowie, MD
Dr. Minoru Ko,
Dr. Michal Zalzman, Preceptors
Laboratory of Genetics

618. Mario A Pita

A Role for Toll-Like Receptor 3 in Synaptic Plasticity and Cognition
University of Central Florida
Hometown: Orlando, FL
Dr. Eitan Okun, Preceptor
Laboratory of Neurosciences

619. Jennifer A Ross

The Cloning, Purification, and Characterization of the RecQ4 RAPADILINO Mutation
University of Kentucky
Hometown: Lexington, KY
Dr. Deborah Croteau, Preceptor

Laboratory of Molecular Gerontology

620. shweta shukla

Differences in Sarcoplasmic Reticulum Ca²⁺ Loading and Spontaneous Ca²⁺ Release in Permeabilized Young and Old Mouse Sinoatrial Nodal Cells (SANC). Effect of PDE inhibition.

Dulaney High

Hometown: cockeysville, MD

Dr. Edward G. Lakatta.,

Dr. Syevda Sirenko, Preceptors

Laboratory of Cardiovascular Science

621. Megan A Sichler

Differential Expression and Function of Estrogen Receptor Alpha and Estrogen Related Receptor Alpha in Ovarian Cancer Cell Lines

Cornell University

Hometown: Davie, FL

Mr. Chester R. Frazier, Preceptor

Laboratory of Clinical Investigation

622. Samuel H Smith

Relationship of Circulating Plasma Polyunsaturated Fatty Acids with Plasma Sex Hormone Binding Globulin

University of New Mexico

Hometown: Las Cruces, NM

Dr. Josephine M. Egan,

Dr. Chee W. Chia, Preceptors

Laboratory of Clinical Investigation

623. Bhavana S Vangara

It takes two to tango, but three to glow: Using a split GFP tripartite system to elucidate RAGE oligomerization

University of Florida

Hometown: Palm Harbor, FL

Dr. Li Lin,

Dr. Edward G. Lakatta, Preceptors

Laboratory of Cardiovascular Science

624. Hejia Wang

Investigating RecQL5-associated complex in genome stabilization

University of Pennsylvania

Hometown: Cockeysville, MD

Dr. Weidong Wang,

Dr. Nurul Islam, Preceptors

Laboratory of Genetics

625. Stephen L Yu

DNA Repair and Replication Fork Helicases Are Differentially Affected by Sugar Phosphate Backbone Modification

University of Maryland - College Park

Hometown: Batimore, MD

Dr. Robert Brosh,
Dr. Suhasini Avvaru, Preceptors
Laboratory of Molecular Gerontology

626. Sean M Zohorsky

Role of PKC-theta in activating mTOR downstream signaling
University of Dallas
Hometown: Ellicott City, MD
Dr. Paritosh Ghosh, Preceptor
Laboratory of Immunology

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

627. Mazdak M Bradberry

Chromatin Modification Patterns in Neuronal Progenitor Cells Surveyed by CHIP Sequencing
Northwestern University
Hometown: Pittsburgh, PA
Dr. Kornel Schuebel, Preceptor
Laboratory of Neurogenetics

628. Ross O Carpenter

The Effect of Prenatal Ethanol Exposure on GABAergic Interneurons in the Striatum.
The College of William and Mary
Hometown: Baltimore, MD
Dr. Margaret I. Davis, Preceptor
Laboratory for Integrative Neuroscience

629. Alexander W Cheney

Fatty Acid Profiles of Snack Chips
Bethesda-Chevy Chase High School
Hometown: Rockville, MD
Dr. Joseph R. Hibbeln,
Dr. Yuhong Lin, Preceptors
Laboratory of Membrane Biochemistry and Biophysics

630. Guodong Fu

Opposing Functions of Signal Transducer and Activator of Transcription 3 in Liver Tumorigenesis
Montgomery Blair High School
Hometown: Clarksburg, MD
Dr. Hua Wang, Preceptor
Laboratory of Physiologic Studies

631. Danielle K George

The Effects of the MAOA Gene and its Interaction with Childhood Trauma on Aggression in Italian Prisoners
Eleanor Roosevelt High School
Hometown: Adelphi, MD

Dr. Mary-Anne Enoch, Preceptor
Laboratory of Neurogenetics

632. Richard Hildreth

Effect of Chronic Ethanol Exposure on Phospholipid Serine Biosynthesis and Remodeling in Neuronal Cells

Princeton University
Hometown: Potomac, MD
Dr. Hee Yong Kim,
Mr. Karl Kevala, Preceptors
Laboratory of Molecular Signaling

633. Laura K Max

Screening Candidate Genes for the Mouse Craniofacial Mutant Froggy

Bates College
Hometown: Garrett Park, MD
Dr. Colin Hodgkinson, Preceptor
Laboratory of Neurogenetics

634. Nomso Mordi

The Effects of Ethanol Consumption on DNA Methyltransferase Activity

Interamerican University of Puerto Rico
Hometown: Rockville, MD
Dr. Kornel Schuebel, Preceptor
Laboratory of Neurogenetics

635. Anita M Rao

Measuring Differential Gene Expression Changes in Response to Ethanol in the Rat Brain and Human Peripheral Blood

The College of New Jersey
Hometown: Harpers Ferry, WV
Dr. Kornel Schuebel, Preceptor
Laboratory of Neurogenetics

636. Luke Reding

Identification of Retinoic Acid (RA) Response Elements and In Vitro RA-Mediated Changes to the Rat NPSC Transcriptome

College of William and Mary
Hometown: Montgomery Village, MD
Dr. Kornel Schuebel, Preceptor
Laboratory of Neurogenetics

637. Xin Shan

The Function of PLCZ1 in the NAPE-PLC Pathway of Anandamide Synthesis in RAW264.7 Macrophage Cells

Stanford University
Hometown: Gaithersburg, MD
Dr. Jie Liu, Preceptor
Laboratory of Physiologic Studies

638. Aishini Thiyagarajan

Association of Self- Report of the Effects of Alcohol (SRE) with Family History of Alcoholism and Recent Drinking History in Social Drinkers

Winston Churchill High School

Hometown: Potomac, MD

Dr. Vijay Ramchandani, Preceptor

Laboratory of Clinical & Translational Studies

National Institute on Deafness and Other Communication Disorders (NIDCD)

639. Joseph A Duda

Critical Evaluation of Two Non Evasive Methods to Isolate and then Genotype Genomic DNA from Human Subjects

Urbana High School

Hometown: Monrovia, MD

Dr. Thomas B. Friedman,

Dr. Robert Morell, Preceptors

Laboratory of Molecular Genetics

640. Andrew M Golboro

Auditory Phenotype of Oculocutaneous Albinism (OCA)

University of Maryland

Hometown: Wayne, PA

Dr. Carmen Brewer, Preceptor

Otolaryngology Branch

641. Caroline S Hefner

Expression of Tmc3 (Transmembrane Channel-Like Protein 3) in a Heterologous System

Northern Virginia Community College

Hometown: Rockville, MD

Dr. Andrew Griffith, Preceptor

Laboratory of Molecular Biology

642. Andrew S LaCroix

Involvement of actin monomers and filaments in cytoskeletal structure and elasticity

University of Wisconsin-Madison

Hometown: Shorewood, MN

Dr. Nuria Gavara,

Dr. Richard Chadwick, Preceptors

Laboratory of Cellular Biology

643. Justin R Sperling

Decoding Onset Time of Task-Related Processing for a Paired-Associate Task

University of Texas at Austin

Hometown: Beachwood, OH

Dr. Barry Horwitz,

Dr. Arpan Banerjee, Preceptors

Voice, Speech and Language Branch

National Institute on Drug Abuse (NIDA)

644. Shannon Y Adams

Incubation of conditioned fear in the conditioned suppression model in rats: role of cue-shock interval, food-restriction conditions, length of conditioned cue, and generality to conditioned freezing

Phillips Academy at Andover

Hometown: Reisterstown, MD

Dr. Charles Pickens, Preceptor

Behavioral Neuroscience Research Branch

645. Lauren M Belayneh

Regional expression of green-fluorescent protein (GFP) in cfos-GFP transgenic rats following acute methamphetamine injection

The Madeira School

Hometown: Alexandria, VA

Dr. Bruce Hope, Preceptor

Behavioral Neuroscience Research Branch

646. Ross W Bittman

Ligand-Binding Profile of Mu-Delta Dimer Opioid Receptors as Compared to Mu Opioid Receptors. I

Johns Hopkins University

Hometown: Baltimore, MD

Ms. Christina M. Dersch,

Dr. Richard B. Rothman, Preceptors

Chemical Biology Research Branch

647. Jessica Brannock

Activin A and Follistatin Participate in Methamphetamine-Induced Neuroadaptions in the Rat Striatum

Patapsco High and Center for the Arts

Hometown: Baltimore, MD

Dr. Subramaniam Jayanthi,

Dr. Jean L. Cadet, Preceptors

Molecular Neuropsychiatry Branch

648. Makeda A Carroll

Role of Neuronal Pentraxin 1 in the 6-OHDA model of Parkinson's Disease

Long Reach High School

Hometown: Columbia, MD

Dr. Toni S. Shippenberg,

Dr. Silvia Pontis, Preceptors

Behavioral Neuroscience Research Branch

649. Elizabeth S Cogan

The Effect of Injection Duration on the Acquisition of Cocaine Self-Administration in Rats

Montclair State University

Hometown: Phillipsburg, NJ

Dr. Charles Schindler, Preceptor
Behavioral Neuroscience Research Branch

650. Rashalai A Currington

Methamphetamine Self-administration is Associated with Changes in the Expression of Glutamate AMPA Receptors in the Rat Striatum

University of Maryland Eastern Shore

Hometown: Wilmington, DE

Dr. Irina N. Krasnova,

Dr. Jean Lud Cadet, Preceptors

Molecular Neuropsychiatry Branch

651. Sheila A Dougherty

Ligand-Binding Profile of Mu-Delta Dimer Opioid Receptors as Compared to Delta Opioid Receptors

California State University

Hometown: Chico, CA

Ms. Christina M. Dersch,

Dr. Richard B. Rothman, Preceptors

Chemical Biology Research Branch

652. Jonathon S Farzanfar

Acute and Chronic Effects of Cocaine in Planaria (Dugesia tigrina)

Towson University

Hometown: Parkton, MD

Dr. Jonathan Katz,

Dr. Jonathan M. Slezak, Preceptors

Behavioral Neuroscience Research Branch

653. Carina L Felix

Effect of KEPI (Ppp1r14c) Deletion on Fentanyl Analgesia

St. Croix Educational Complex

Hometown: Frederiksted, VI

Dr. Jana Drgonova, Preceptor

Molecular Neurobiology Branch

654. Ellen M Gibson

Imaging and structural analysis of phospholipids and sphingolipids in the brain.

Virginia Commonwealth University

Hometown: Baltimore, MD

Dr. Amina S. Woods,

Dr. Alice Delvolve, Preceptors

Cellular Neurobiology Research Branch

655. Dominic Grimberg

Utilization of Multiple Passive Shims to Maintain MRI Magnetic Field Homogeneity

Cornell University

Hometown: Baltimore, MD

Dr. Yihong Yang, Preceptor

Neuroimaging Research Branch

656. Amy N Hamaker

The Effects of Food Restriction on Visual Signal Seeking

Brigham Young University
Hometown: Burtonsville, MD
Dr. Satoshi Ikemoto, Preceptor
Behavioral Neuroscience Research Branch

657. Laura Hobbs

Menstrual cycle influences on resting-state functional connectivity

University of Rochester
Hometown: Walkersville, MD
Dr. Betty Jo Salmeron,
Dr. Elliot A. Stein, Preceptors
Neuroimaging Research Branch

658. Moshe A Honick

Methamphetamine induces Sch23390- sensitive increases in the striatal expression of inhibin beta A and follistatin

Montgomery College
Hometown: Baltimore, MD
Ms. Genevieve Beauvais, Preceptor
Molecular Neuropsychiatry Branch

659. Jacqueline Ibarra

Distribution of Glutamatergic Neurons and Dopamine D2 Receptors in the A10 Dopamine System

The Preuss School UCSD
Hometown: San Diego, CA
Dr. Marisela Morales,
Mr. Stanley Ng, Preceptors
Cellular Neurobiology Research Branch

660. Thi N Khuc

Effect of yohimbine on conditioned place preference/aversion (CPP/CPA)

University of Maryland
Hometown: Fulton, MD
Dr. Yavin Shaham, Preceptor
Behavioral Neuroscience Research Branch

661. Shanan Kumar

Methamphetamine Self-Administration Causes Alterations in the Expression of Glutamate NMDA Receptors in the Striatum

Saint Andrew's School
Hometown: Boca Raton, FL
Dr. Irina N. Krasnova,
Dr. Jean L. Cadet, Preceptors
Molecular Neuropsychiatry Branch

662. Madeleine M Mateo

Cellular identity of Fos-labeled prefrontal cortex neurons in rat following re-exposure to heroin-related cues

University of Maryland, College Park
Hometown: Ellicott city, MD
Dr. Bruce Hope, Preceptor
Behavioral Neuroscience Research Branch

663. Lina Montoya

Distribution of glutamatergic neurons and dopaminergic markers in the A10 dopamine system

Johns Hopkins University
Hometown: Columbia, MD
Dr. Marisela Morales, Preceptor
Cellular Neurobiology Research Branch

664. Justin E Morales

Duration and Efficacy of Glycopyrrolate to Reduce Pilocarpine-Induced Secretory Activity

Sterling High School
Hometown: Baltimore, MD
Dr. Bruce Vaupel, Preceptor
Neuroimaging Research Branch

665. Jonathan S Na

*Acute effects of a non-toxic dose of methamphetamine on *ler2*, *Slco2a1*, and *Sik1* expression in the rat striatum*

Phillips Academy Andover
Hometown: Baltimore, MD
Dr. Jean L. Cadet,
Mr. Michael T. McCoy, Preceptors
Molecular Neuropsychiatry Branch

666. Munanchu Poudel, Brian R Katz

A Single Exposure to Methamphetamine Altered Gene Expression Responses to Acute Methamphetamine Challenge: Focus on the AP1 Family of Transcription Factors

Towson High School
Atholton High School
Hometown: Baltimore, MD
Columbia, MD
Dr. Jean L. Cadet,
Mr. Bruce Ladenheim, Preceptors
Molecular Neuropsychiatry Branch

667. Jose E Rivas

Differential Expression of Striatal Metabotropic Glutamate Receptors Consequent to Methamphetamine Self-Administration

Suffield Academy
Hometown: Jamaica, NY
Dr. Irina N. Krasnova,
Dr. Jean L. Cadet, Preceptors
Molecular Neuropsychiatry Branch

668. Richard K Rothman

Action of cocaine in primary neurons: Hijacking sigma-1 receptors from the ER-mitochondrion interface

Franklin and Marshall College
Hometown: Ellicott City, MD
Dr. Shang-Yi Tsai, Preceptor
Cellular Neurobiology Research Branch

669. Hafeez O Sulaimon

Neurochemical Changes in the Rat Anterior Cingulate Cortex and Hippocampus after Chronic Ethanol Exposure measured by Magnetic Resonance Spectroscopy

The Hun School of Princeton
Hometown: Ewing, NJ
Dr. Elliot A. Stein,
Dr. Svetlana I. Schefer, Preceptors
Neuroimaging Research Branch

670. Kaylin K Tsukayama

Effects of Modafinil on mesolimbic dopamine transmission

Kamehameha Schools
Hometown: Kaneohe, HI
Dr. Gianluigi Tanda,
Dr. Jonathan Katz, Preceptors
Medications Discovery Research Branch

671. Kelsey Vargas

Chronic Methamphetamine Administration Alters the Expression of Genes Involved in Regulating Synaptic Plasticity in the Rat Striatum

DePaul University
Hometown: El Paso, TX
Dr. Subramaniam Jayanthi, Preceptor
Molecular Neuropsychiatry Branch

672. Jacqueline A Wulu

Chronic methamphetamine administration results in differential expression of neuromedin U, tachykinins 1 and 2 as well as their receptors in the rat striatum

Drexel University
Hometown: Bowie, MD
Dr. Subramaniam Jayanthi,
Dr. Jean L. Cadet, Preceptors
Molecular Neuropsychiatry Branch

673. Likun Xi

Spontaneous Neuronal Activity in the Rat Whisker Barrel Cortices Modulated by Whisker Stimulation

Duke University
Hometown: Ellicott City, MD
Dr. Yihong Yang,
Dr. Hanbing Lu, Preceptors
Neuroimaging Research Branch

674. Ping T Yeh

Post-treatment with Amphetamine Enhances Reinnervation in Stroke Rats

Rice University

Hometown: Ellicott City, MD

Dr. Yun Wang,

Dr. Hui Shen, Preceptors

Molecular Neurobiology Branch

675. Betsir G Zemen

Ventral tegmental input from the pedunculo-pontine and laterodorsal tegmental nuclei is dominated by glutamatergic and GABAergic neurons

University of Maryland Baltimore County

Hometown: Burtonsville, MD

Dr. Marisela Morales, Preceptor

Cellular Neurobiology Research Branch

National Library of Medicine (NLM-NCBI)

676. Alexander Bliskovsky

Assembling External Data to Support Controlled Vocabulary Term Enrichment Analysis

Bethesda-Chevy Chase High School

Hometown: Bethesda, MD

Dr. Yi-Kuo Yu,

Dr. Aleksandar Stojmirovic, Preceptors

Computational Biology Branch

677. Peter J Cote

Impact of DNA Rearrangement on Gene Regulation of Humans

University of Illinois

Hometown: Palatine, IL

Dr. Ivan V. Ovcharenko, Preceptor

Computational Biology Branch

678. Justin K Huang

The effect of SNPs on RNA secondary structure

University of North Carolina - Chapel Hill

Hometown: Cary, NC

Dr. Teresa Przytycka,

Dr. Andy Fung, Preceptors

Computational Biology Branch

NIH Clinical Center (CC)

679. Mallory Amaya

Annual evaluation of volunteers: What is the impact on performance and satisfaction?

Towson University

Hometown: Beltsville, MD

Dr. Adrienne Farrar,

Ms. Courtney Duncan, Preceptors
Social Work Department

680. Lauren Bange

Design of an image analysis workflow to follow-up oncologic lesions with PET
Rensselaer Polytechnic Institute
Hometown: Eagan, MN
Dr. Roberto E. Maass-Moreno, Preceptor
Radiology and Imaging Sciences

681. Rebecca Berger

Using Visual Aide and Verbal Instruction to Increase Medication Compliance in Adolescents with Chronic Granulomatous Disease Undergoing Stem Cell Transplantation
University of Pennsylvania
Hometown: Darnestown, MD
Ms. Anne Fejka, Preceptor
Nursing Department

682. Brittany L Bryant

Nursing Management of the Acute Cushingoid Patient
Hampton University
Hometown: Laurel, MD
Ms. Lori Purdie, Preceptor
Nursing Department

683. Wendy W Cai

Transcriptome changes in Ptpn-deficient mouse brain: possible roles of vesicle transmission in behavior
Richard Montgomery High School
Hometown: Germantown, MD
Dr. Ena Wang, Preceptor
Department of Transfusion Medicine

684. Nathan J Carberry

Validation of an adaptive treadmill speed controller for natural walking on a treadmill
UPenn
Hometown: Bethesda, MD
Dr. Hyung Park, Preceptor
Rehabilitation Medicine Department

685. Rebecca Certner

Effect of Oral Probiotic Ingestion on Anti-A and Anti-B Isohemagglutinin Titers in Healthy Subjects: a Randomized, Controlled Study
University of Maryland
Hometown: Potomac, MD
Dr. Susan Leitman, Preceptor
Department of Transfusion Medicine

686. Wenjing Chen

Co-culture of T-Cell with Bone Marrow Stromal Cells

Montgomery Blair High School
Hometown: North Potomac, MD
Dr. David F. Stroncek, Preceptor
Department of Transfusion Medicine

687. Brendan M Cusack

Biological/Physiological indicators of stress linked to increased risk of cardiovascular disease

University of Maryland
Hometown: Beltsville, MD
Dr. Margaret Bevans, Preceptor
Nursing Department

688. Susan Diaz

Long-Term Prospective Study of Post-Transfusion Hepatitis Demonstrates Markedly Declining Rates

University of South Florida
Hometown: Celebration, FL
Dr. Harvey Alter, Preceptor
Department of Transfusion Medicine

689. Megan Fauci

The Benefits of Therapeutic Play for the Pediatric Healthcare Experience

Columbia University
Hometown: Washington, DC
Ms. Joan Sheeron, Preceptor
Nursing Department

690. Benjamin R Freedman

In Vivo Tests Show Improved Q-Angle Correlation with Patellar Kinematics in Healthy and Maltracking Groups

University of Rochester
Hometown: Longmeadow, MA
Dr. Diane Damiano, Preceptor
Rehabilitation Medicine Department

691. Justine M Garofalo

Ethical Research in Pediatric Populations: Obtaining Meaningful Assent

Clemson University
Hometown: Glenwood, MD
Ms. Diane Lawrence, Preceptor
Nursing Department

692. Diana Godfrey

Teaching a Computer to Detect Incomplete and Erroneous Data in Electronic Project Reports

University of Arizona
Hometown: Tucson, AZ
Mr. James DeLeo,
Mr. Carl Leonard, Preceptors
Department of Clinical Research Informatics

693. Remina A Greenfield

The Effects of Gamma Radiation on Human Embryonic Stem Cells

St. Mary's College of Maryland

Hometown: Columbia, MD

Dr. Ronald D. Neumann,

Dr. Irina V. Panyutin, Preceptors

Nuclear Medicine Department

694. Allison Hamilton

Analysis of Lateral Ventricles with Communicating Hydrocephalus in brain tumor patients

Eastern Virginia Medical School

Hometown: Columbia, MD

Dr. Marius G. Linguraru, Preceptor

Radiology and Imaging Sciences

695. Megan L Hohenstein

Complementary Pain Management for the Cancer Patient

The University of Tampa

Hometown: Crownsville, MD

Ms. Tye R. Mullikin,

Ms. Kelly Nesseler, Preceptors

Nursing Department

696. Justin T Huang

Validation of T1 Mapping Methods on 3T MRI Scanners

University of Maryland - College Park

Hometown: Washington, DC, DC

Dr. David Bluemke, Preceptor

Diagnostic Radiology Department

697. Jane Hur

Scoring of coronary artery calcification in prostate cancer patients

Robert Wood Johnson Medical School

Hometown: Burlington, NJ

Dr. Adeline Louie, Preceptor

Radiology and Imaging Sciences

698. Supriya Jain

Systemic Mastocytosis with Monocytosis

Howard University College of Medicine

Hometown: McLean, VA

Dr. Irina Maric,

Ms. Olga Simakova, Preceptors

Department of Laboratory Medicine

699. Ingrid H Kelley

Recruitment into Clinical Studies: Different Perceptions

University of Texas at Arlington

Hometown: Arlington, TX

Ms. Dinora Dominguez, Preceptor

Patient Recruitment and Public Liaison Office

700. Ryan D Kindle

Integrating Secure Distributed Document Sharing with the NHIN via CONNECT

Georgetown University School of Medicine

Hometown: Washington, DC

Dr. Jon McKeeby,

Dr. David W. Herion, Preceptors

Department of Clinical Research Informatics

701. Logan Kolakowski

Preventing Nosocomial Infections in an Intensive Care Setting

Wake Forest University

Hometown: Bethesda, MD

Ms. Pam Horwitz,

Ms. Nancy Ames, Preceptors

Nursing Department

702. Jinoo Y Lee

Determination of Metformin Concentration in Human Plasma Using High Performance Liquid Chromatography Coupled with Ultraviolet Detection

Western University of Health Sciences

Hometown: Irvine, CA

Dr. Christine Hon, Preceptor

Pharmacy Department

703. Charles L Long

Perfusion and Diffusion MRI Images in the Evaluation of Brain Tumors

Boston College

Hometown: Bethesda, MD

Dr. Nicholas Patronas, Preceptor

Radiology and Imaging Sciences

704. Mary E Maldarelli

Examination Of Antibody Responses To Human, Mouse, And Macaque Pneumocystis Kexin

The Johns Hopkins University

Hometown: N. Potomac, MD

Dr. Joseph Kovacs,

Ms. Lisa Bishop, Preceptors

Critical Care Medicine Department

705. Yichao W Mark

miR profiling changes in host's tumor, liver and spleen, when colon cancer is treated with traditional Chinese medicine (PHY-906)

Boston University

Hometown: Sausalito, CA

Dr. Ena Wang, Preceptor

Department of Transfusion Medicine

706. Bruce B McNair

Metabolic Differences in Urine Samples between Participants with Cushing's Syndrome and Healthy Controls Using Mass Spectrometry

University of North Carolina at Chapel Hill
Hometown: Bethesda, MD
Dr. Manuel van Deventer, Preceptor
Department of Laboratory Medicine

707. Anjana J Mohanty

Anthrax lethal and edema toxin have differing myocardial effects in a perfused rat heart model

University of North Carolina - Chapel Hill
Hometown: Poolesville, MD
Dr. Steve Solomon,
Dr. Xizhong Cui, Preceptors
Critical Care Medicine Department

708. Philip L Mussenden, Jr

A Case Control Study of Vancomycin-Resistant Enterococcus Acquisition in the NIH Clinical Center

Howard University College of Medicine
Hometown: Washington, DC
Dr. Tara Palmore,
Ms. Robin Odom, Preceptors
Hospital Epidemiology Service

709. Stephanie E Onuoha

Clinical Phenotype of Speech-Language Function with NF1

Case Western Reserve University
Hometown: Glenn Dale, MD
Ms. Beth I. Solomon, Preceptor
Rehabilitation Medicine Department

710. Anjali Parekh

Infectious Disease Imaging: Comparative CT Analysis of PCP, CMV and Parainfluenza with Co-Infections

Northwestern University
Hometown: Silver Spring, MD
Dr. Daniel Mollura, Preceptor
Diagnostic Radiology Department

711. Noah Y Paul

Design of a knee exoskeleton device for children with cerebral palsy

Melvin J. Berman Hebrew Academy
Hometown: silver spring, MD
Dr. Hyung Park, Preceptor
Rehabilitation Medicine Department

712. Stephanie Perry

Magnet Status: An Overview of the Magnet Recognition Program

Towson University
Hometown: Clinton, MD

Ms. Deborah Kolakowski,
Ms. Josanne Revior, Preceptors
Nursing Department

713. Ryan J Plyler

Cytokine Levels in Bone Marrow Supernatant
Georgetown University School of Medicine
Hometown: Ellicott City, MD
Dr. Katherine Calvo,
Dr. Weixin Wang, Preceptors
Department of Laboratory Medicine

714. Sheila M Prados

Exploring the Intersect of Culture, Trust, and Health Literacy in Mental Health Help Seeking Behaviors of Inner City African Americans: A Conceptual Framework
New Mexico State University
Hometown: Gaithersburg, MD
Dr. Gwenyth Wallen, Preceptor
Nursing Department

715. Takisha R Robinson

Pain Management of Patients with Neurofibromatosis Type 1 and Plexiform Neurofibromas
University of Virginia School of Medicine
Hometown: Charlottesville, VA
Dr. Ann Berger, Preceptor
Pain and Palliative Care Branch

716. Natalie T Rose

Using Internet-Distributed Human Intelligence to Improve Tumor Detection on CT Colonography
Appalachian State University
Hometown: Vienna, VA
Dr. Shijun Wang, Preceptor
Diagnostic Radiology Department

717. Caitlin M Royster

Adequacy and Patterns of Diet in Children with Autism
Cornell University
Hometown: North Potomac, MD
Ms. Jennifer Graf, RD, Preceptor
Nutrition Department

718. Carla A Scott

Diagnosing Breast Cancer by Applying Computational Intelligence Methods to Breast Magnetic Resonance Imaging Data
Spelman College
Hometown: Newnan, GA
Mr. Jim DeLeo,
Mr. Carl Leonard, Preceptors
Department of Clinical Research Informatics

719. Michael Sheer

Deep Venous Thrombosis - The Ins and Outs
Molloy College
Hometown: Lynbrook, NY
Ms. Angeline Thomas, Preceptor
Nursing Department

720. Amitosh Singh

Characterization of Pneumocystis Glycosylphosphatidylinositol-Anchored Proteins as Antigens
Winston Churchill High School
Hometown: Potomac, MD
Dr. Liang Ma,
Dr. Joseph A. Kovacs, Preceptors
Critical Care Medicine Department

721. Britanne J Socks

Assessing abdominal organ volume on CT scans
Southern Illinois University School of Medicine
Hometown: Chantilly, VA
Dr. Marius G. Linguraru, Preceptor
Diagnostic Radiology Department

722. Alyssa D Todaro

Does doctor know best? Exploring shared decision-making and correlates of complementary and alternative health use, self-efficacy, and depression in underserved patients with arthritis
University of Maryland
Hometown: Greensburg, PA
Ms. Kimberly Middleton,
Dr. Gwen Wallen, Preceptors
Nursing Department

723. Maya C Wai

Development of Aseptic Transfer and Validation of Lyophilization Products
University of North Carolina - Chapel Hill
Hometown: Durham, NC
Dr. Haksong Jin, Preceptor
Pharmacy Department

724. Morgan K Whetstone

Alcoholism and the Complications with the Laryngopharynx and Upper Digestive Tract
University of Maryland
Hometown: Germantown, MD
Ms. Judie Johnson, Preceptor
Nursing Department

725. Brandon W Wims

An Evaluation of Nursing Documentation Efficiency Prior to the Implementation of Electronic Charting

North Carolina Agricultural and Technical State University
Hometown: Germantown, MD
Dr. Patricia Sengstack, Preceptor
Department of Clinical Research Informatics

726. yumeng zhao

3D multi-scale vessel enhancement filtering in CT images
UMCP
Hometown: Gaithersburg, MD
Dr. jiamin liu, Preceptor
Radiology and Imaging Sciences

Office of the Director/Office of Research Services (OD/ORS)

727. Leah A Harman

Noise Exposure: Evaluating the Workplace for an Effective Hearing Conservation Program
Florida International University
Hometown: Miami, FL
Mr. Derek A. Newcomer, Preceptor
Division of Occupational Health and Safety

NIH SUMMER RESEARCH PROGRAM INDEX OF PARTICIPANTS

PRESENTER	POSTER #
Suzanne A Abdelazim	356
Alicia P Abedi	282
Brent S Abel	17
Alice M Abernathy	76
Nicholas B Abt	15
David S Accame	318
Suyesh Acharya	444
Shannon Y Adams	644
Adeoluwa E Adewuyi	77
Vishesh Agrawal	445
Ida Ahmadizadeh	236
Nasif S Ahmed	18
Sidra Ahsan	78
Taylor J Aiken	357
Omair Akhtar	79
Wajiha Z Akhtar	596
Quentin K Aknin	80
Kristine Albanes	237
Samuel R Althausser	283
Mallory Amaya	679
Leila J Ameli-Grillon	488
Mark J Amirtharaj	535
Rita N Anu	81
Michelle L Arey	536
Elisabeth A Arndt	19
Amie A Atiyeh-Marks	82
Julie A Auxier	284
Camila Avila	83
Yamini Ayakannu	259
Jennifer F Azeez	489
Josue Baeza	358
Joseph I Bailey	84
Atieh Bakhtiar	20
Matthew P Banegas	238
Lauren Bange	680
Bina B Bansinath	537
Maria M Barsky	490
Nick A Bax	285
Rachel M Behrend	538
Lauren M Belayneh	645
Detti H Belina	539
Anastasiya Belyaeva	359
Mouadh Benamar	21
Katherine Benson	22

PRESENTER	POSTER #
Alexandra R Berg	239
Rebecca Berger	681
Joseph T Berko	597
Pritha Bhattacharyya	446
Paul W Bible	408
Leslie A Bilello	85
Allison S Binder	540
Ross W Bittman	646
Catherine W Blackwell	491
Alexander Bliskovsky	676
Benjamin A Bloom	492
James Blum	86
David L Boone	319
Antoine Bosselut	409
Elizaveta Bourchtein	504
Daniel W Bowen	541
Aleah C Bowie	360
Mazdak M Bradberry	627
Jessica Brannock	647
Laura E Braun	542
Shane Breazeale	286
Victoria S Brown	87
Brittany L Bryant	682
Dianna E Buckett	240
Sean Burn	88
Anthony J Burnett	320
Jamie Byun	361
Adrian G Cadar	598
Wendy W Cai	683
Sharon Camacho	256
Lauren Canary	362
Fang Y Cao	23
Youda Cao	543
Nathan J Carberry	684
Kathleen M Cardinale	493
Andrea V Carnie	89
Angeliz M Caro	287
Ross O Carpenter	628
Courtney M Carroll	599
Makeda A Carroll	648
Megan S Casady	261
Maria D Castano	90
Jose C Castillo	435
Mike Cato	91

Rebecca Certner	685
Noo R Chai	544
Mayukh Chakrabarti	494
Carmen K Chan	92
Wilson Chan	93
Lois Y Chang	24
Lucas M Chang	94
Sarah M Chang	95
Zanetta Chang	363
Krysten M Chapa	262
Tania Chatterjee	96
Shawn S Chawla	10
Amy X Chen	97
Christopher Chen	600
Haoxing Chen	263
John Chen	447
Kevin H Chen	601
Liting Chen	98
Lu Chen	448
Wenjing Chen	686
Alexander W Cheney	629
Kevin Cheng	288
Savannah L Cheo	99
Safichia G Chew	364
Lina Chhuy-Hy	11
Harshini Chinnasamy	321
Monica M Cho	100
Jason H Choi	289
Kyujoo Choi	365
Danielle M Chou	449
Joshua Chou	436
Rohini Choudhuri	101
Ian Chow	437
Allison Christiaansen	366
Kathy Chu	290
Reena Clements	495
Morgan B Clinton	545
Katharina R Clore-Gronenborn	546
Ana G Coello Escoto	25
Elizabeth S Cogan	649
Adam A Collins-Belshe	602
Eduardo Contijoch	410
Hannah A Cooper	102
Michelle A Cornacchia	496
Joshua Cornman-Homonoff	26
Peter J Cote	677
Kiera A Coy	322
Candice Craig	264

Suanur M Cureoglu	103
Rashalai A Currington	650
Brendan M Cusack	687
Jan Czermisnki	497
Urania Dagalakis	27
Helen A Daifotis	367
Lauren A Dalvin	265
Michael G Daniel	104
Carolyn M Davidson	498
Jessica M Davis	323
Ricklie A Davis	105
Moez Dawood	98
Mary Ann de Banate	450
Ann M Decker	499
Allison P Del Giorno	547
Lauren A Demers	548
Sunil A Deolalikar	368
Kimberly Dessoffy	241
Daniel Diaz	266
Susan Diaz	688
Sarah Dicker	28
Caroline Diehl	500
Christina DiFabio	106
Joseph G Dolan	107
Henry Dorbu	324
Chen Dou	501
Sheila A Dougherty	651
Katherine M Dove	502
Sydney C Dubois	325
Brian J DuChez	451
Joseph A Duda	639
Andrew J Duffy	108
Natasha Duggal	29
Nikki Duong	503
Nora Eccles	109
Michelle S Eglovitch	452
Daniel G Eichberg	369
Esther E Ekpın	110
Amelia C Ettinger	111
Justin D Evans	112
Altovise T Ewing	326
Qihua Fan	487
John A Farrell	4
Jonathon S Farzanfar	652
Megan Fauci	689
Carina L Felix	653
Herman W Fennell	113
Elena V Fernandez	114

Loren L Fierstein	603
Joel A Finbloom	370
Anteneh K Fisseha	453
Scott A Flipping	115
Anastasia A Ford	549
Amanda M Foskett	454
Julie A Foucher	547
Anthony M Fox	116
Krzysztof M Franaszek	30
Benjamin R Freedman	690
Sebastian R Freeman	291
Rebecca A Friedland	117
Rena B Friedman	423
Guodong Fu	630
Qi Fu	118
Godfrey Furchtgott	371
Stephanie P Galarza	119
Kriti Gandhi	604
Mayra Y Garcia	455
Justine M Garofalo	691
Sonia S Gaur	372
Jamie R Genderson	498
Danielle K George	631
Adam J Gerber	504
Henry Geria	31
Frederick P Ghandchi	32
Rahel Ghenbot	292
Alecia Gibson	267
Ellen M Gibson	654
Alexandra J Giedd	505
Diana Godfrey	692
Alicia E Goertel	424
Andrew M Golboro	640
Ian A Gold	506
Rachel L Goldfeder	327
Clara M Gomez	120
Anabel Gonzalez Gil	605
Anne E Goodling	456
Sushmita B Gordhandas	1
Sarah E Gordon	507
Amber N Grace	411
Phillip Grant	373
Remina A Greenfield	693
Emma D Griffin	508
Dominic Grimberg	655
Kathryn M Grimes	33
Nathan D Grubaugh	374
Victoria A Grunberg	509

Stephane A Guerrier	268
Yanina Guevara	457
Gill Y Guo	269
Sammy Gurman	270
Ezra Hackett	121
Robert C Hagerty	242
Amy N Hamaker	656
Alicia Hamar	510
Allison Hamilton	694
Shing Han	122
Alli Hanley	511
Leah A Harman	727
Colleen T Harrington	606
Nicole A Harris	607
Rachel Hart	328
Kira Harvey	329
John J Hatch	293
Clark M Hatheway	123
Sean E Heaton	550
Caroline S Hefner	641
Heidi A Hempel	124
Lansdale G Henderson	294
Nicholai A Henry	458
Nathan D Herdener	608
David E Hershkowitz	438
Alexis Hickman	330
Richard Hildreth	632
Laura Hobbs	657
Alexander P Hoekstra	459
Nadia E Hoekstra	243
Megan L Hohenstein	695
Timothy J Hohman	609
Moshe A Honick	658
Sarah-Marie Hopf	375
David Hou	176
Max K Hu	376
Justin K Huang	678
Justin T Huang	696
Matthew Huberty	551
Alyssa R Huebner	552
Meghan S Hughes	125
Noah C Hull	412
Jane Hur	697
Lauren M Hurwitz	244
Taisha S Husbands	126
Alina T Hwang	439
Shelly Hwang	127
Jacqueline Ibarra	659

OGHOMWEN E IGIESUOROBO	34
Lisbeth Iglesias Rios	35
Nadir Ijaz	295
Eseigboria J Ikheloa	128
Osazode O Imoisili	129
Minna Jacobson	296
Rizwan R Jagani	36
Supriya Jain	698
Rakesh Jambusaria	405
Anita K James	553
Shayma M Jawad	271
Shelley Jin	130
Susan Jin	425
Christina N Johnson	131
Laura E Jones	132
Wesley w Jong	5
Nargis S Jordan	133
Amritanshu Joshi	2
Balbine C Jourdan	377
Sunaina Kapoor	460
Vikaas Kataria	12
Brian R Katz	666
Amit Kaul	3
Alpana Kaushiva	245
Shadia Kawa	257
Ingrid H Kelley	699
Michael R Kellman	37
Roberta A Kelm	440
Marissa A Kern	441
Wafa K Khadraoui	331
Irfan S Khan	610
Sahar G Khan	461
Sameena Khan	297
Zoha Khan	298
Kenneth Kho	16
Thi N Khuc	660
Rima A Kikani	272
Sarah Kim	38
Ryan D Kindle	700
Pat Kirkland	413
Christine Kiruthu	246
Zachary A Kloos	378
Akihiro C Ko	611
Pin-Joe Ko	332
Bernard J Koch	134
Scott J Koenig	554
Logan Kolakowski	701

Ioanna M Kosmaoglou	379
Komal Kothari	135
Abdul M Kouanda	136
Allison Koutsandreas	593
Nicholas C Kovacs	380
William C Kovacs	381
Vasudha Kowtha	299
Lev V Krayzman	426
Matthew S Kreitman	137
Vishnupriya M Krishnan	555
Rebecca P Krosnick	138
Kari Kubalanza	333
Kalyani D Kumar	382
Shanan Kumar	661
Stephanie C Kuo	273
Andrew S LaCroix	642
Curtis R Lacy	139
Claudia Landazabal	334
Julie A Landers	39
Chandana Lanka	383
Jennifer Larmore	140
Steven J Larrick	324
Modinat Lawal	556
Sarah Leach	414
Andrew Y Lee	384
Jinoo Y Lee	702
Kevin M Lee	415
Roslyn T Lee	247
Michael Lehrer	300
Maureen Lei	141
Rachel D Leksana	557
Rachel M Lellis	427
Eric R Leon	406
Steven Leung	142
Kevin Levine	335
Deyana Lewis	336
Andrew Y Li	40
Eileen J Li	428
Maximilian M Li	512
Raymond Y Li	13
Samuel Li	143
Willy W Li	6
Sydney E Liang	337
Diamond Ling	274
Shauna T Linn	612
Melody C Liu	613
Diana K Lloyd	462
Jonae N Lloyd	513

Graham P Lobel	558
Alexandre G Lockhart	559
Danielle R Locust	560
Anayansi Lombardero	234
Charles L Long	703
Sharon Long	514
Carolina Lopez De La Torre	463
Dara H Lorn	385
Vichit H Lorn	442
Sima Lotfi	515
Christopher D Lu	41
Connie Lu	14
Laura Y Lu	301
Kirsten J Lum	42
Jonathan P Luo	416
Austin Luskin	417
Ke Ma	464
Wenting Ma	144
Paige Maas	248
Ellen Macadam	561
Cynthia Mahesh	145
Mary E Maldarelli	704
Sandra M Mantilla	614
Juliana Mariani	146
Rachel A Marincola	465
Yichao W Mark	705
Katie Martin	43
Taylor H Martin	147
Elijah Martin, III	338
Aida Martinez	429
Jose E Martinez Garcia	466
Spyridon Mastroiannis	44
Madeleine M Mateo	662
Sabrina A Mathenia	45
Megan E Mathews	46
Ambika Mathur	516
Brooke C Matson	47
Joe Matten	467
Laura K Max	633
Andrew J Maxwell	148
Sheila Mc Sweeney	418
William J McGarey	339
Lynne McIntyre	149
Lucas P McLaughlin	48
Michael J McLaughlin	517
Jonathan T McMichael	302
Bruce B McNair	706
Christie C Mead	49

Allison M Meadows	150
Preema J Mehta	386
Michael Mekonnen	468
Sophia E Mendelson	50
Alyssa-Claire T Mendoza	151
Luhe Mian	152
Adela M Miller	465
Stefanie R Milner	303
Carmen G Minsal	153
Mariya Mirvis	154
Kevin J Misner	155
Kishan P Mistry	249
Nima Moaven	340
Ankit A Modi	469
Bhavana Mohanraj	275
Anjana J Mohanty	707
Maxwell I Moholy	562
Kayla L Mohr	615
Bianca R Moiseff	563
Kristine M Molina	51
Adam J Money	156
Lina Montoya	663
David Moosavi	564
Nosheen Moosvi	157
Justin E Morales	664
Nomso Mordi	634
Brent C Morel	565
Elizabeth L Morse	158
Adam D Mumy	250
Victorine Muse	533
Philip L Mussenden, Jr	708
Lindsay B Myerberg	518
Jonathan S Na	665
Jeffrey L Nadel	519
Taiyabah Naeem	341
Krishnasai K Nagineni	52
Julia M Nagle	616
Yoriko M Nakamura	387
Henna Nandwani	98
Navin K Natarajan	470
Divya Nayyar	471
Erin Needlman	7
Naomi Nemoto	53
Toni T Nettles	304
Chris Neumann	159
Isabella F Newton	160
Felacita L Nez	566
Elaine M Nghiem	388

Trang Jennifer Nguyen	342
Katherine Ni	305
Anne E Nichols	306
Terren K Niethamer	343
Devon Nixon	419
Jonathan Nofziger	567
Juliette I Nwagbara	161
Phillip E Nwosu	162
Kathleen E O'Brien	344
Mofiyin Obadina	307
Onyinye U Ochi	420
Chiemela J Ogonna	617
Anna Oguhebe	568
Olusegun S Ogunwomoju	520
Phoebe F Oldach	586
Charlotte Oliver	163
Lyra B Olson	164
Joshua N Omade	165
Stephanie E Onuoha	709
Ian Oppenheim	345
Whitney L Osborne	251
Nauramy Osefo	166
Kayla Otto	167
Ann Ouyang	472
Rory P.	31
Tyler W Pacholski	473
Natassja Pal	569
James Pan	168
Janson Pan	389
Abhishek Pandey	390
Roopa S Pandit	570
Lisa Pang	430
Andrew J Para	252
Anjali Parekh	710
Jonathan J Park	391
Nate A Parker	54
Neena Passi	276
Simona Patange	169
Dhruv N Patel	521
Rahul N Patel	8
Noah Y Paul	711
Daniel M Peaceman	170
Chengwei Peng	171
Subha Perni	172
Candice D Perry	173
Stephanie Perry	712
Virginia Lynn Peterson	594
Mary Pfeifer	55

Anna T Pham	56
Tuyen N Phung	174
Megan E Piacquadio	392
Mario A Pita	618
Ryan J Plyler	713
Victoria Poon	57
Karthya Potti	571
Munanchu Poudel	666
Irene S Pouladian	346
Sergei A Pourmal	58
Caitlin Powell	431
Aishwaryaa Pradhan	59
Sheila M Prados	714
Katharine R Press	393
Kevin J Pridham	60
Margaret R Pruitt	175
Jason Qian	394
Renee Qian	176
Jesse R Qualliotine	177
Hannah P Rak	595
Sridevi Ramalingam	178
Paul Randazzo	179
Anita M Rao	635
Prashant A Rao	180
Matthew J Rapp	277
Leslie A Rea	181
Vipin G Reddy	61
Luke Reding	636
Helen D Reed	253
Tyler V Reed	572
Kathryn L Reichard	522
Benjamin L Reiter	182
Lisbeth Reyes-Fondeur	474
Adam Richards	347
Gabrielle G Richterman	395
Thomas Rigolage	421
Mariana Rius	348
Jose E Rivas	667
Lorangelly Rivera-Torres	422
Sophia Rizvi	573
Gary R Roberson	235
Dillon H Robinson	183
Sharnell C Robinson	396
Takisha R Robinson	715
Aileen M Robles-Caraballo	523
Jorge L Rodriguez-Gil	349
Franchesca B Rodriguez-Pacheco	524

Megan U Roosen-Runge	62
Natalie T Rose	716
Emily A Rosen	397
Alex M Rosenberg	184
Jennifer A Ross	619
Theodore L Roth	574
Richard K Rothman	668
Rebecca Rothwell	475
Caitlin M Royster	717
Kathryn G Rozen-Gagnon	185
Laura Russell	186
Andrew J Sacks	187
Divya C Sahajwalla	432
Melody P Sahar-Khiz	188
Aparna Sajja	575
Anam Salman	350
Leanne Sanders	63
Jeans M Santana	258
Braeden K Santiago	308
Margo I Santiago	189
Omar A Santiago Baez	476
Akanksha Saxena	190
Apeksha Saxena	576
Linda H Scheider	577
Linda H Scheider	578
Linda H Scheider	592
Karen C Schliep	64
Carla A Scott	718
Anisha Sehgal	191
Eva Seligman	525
Hammad Shah	443
Shandiz Shahbazi	192
Sarine G Shahmirian	351
Andi Shahu	193
Kelly G Shan	526
Mengge Shan	194
Xin Shan	637
Shaefali Shandilya	195
Marica Sharashenidze	196
Aria R Sharma	398
Michael Sheer	719
John E Shen	579
Kelly S Sherman	527
Yilan Shi	197
Eric J Shiroma	65
Michael J Shlossman	198
David Z Shou	309
Karen J Shou	199

shweta shukla	620
Megan A Sichler	621
Jeffrey Siegel	477
Lauren M Sigman	580
Brittany A Simone	200
Lacy M Simons	399
Eleanor R Simpson	201
Haley Simpson	202
Amitosh Singh	720
Christia Angela M Sison	66
Carmen J Smith	203
Samuel H Smith	622
Shelby P Smith	204
Brittany J Socks	721
Sabina Sood	205
Crystal L Speaks	254
Justin R Sperling	643
Sharanya Srinivasan	433
Benjamin S Stan	528
Jesse A Stokum	581
Christine E Stuart	9
Hafeez O Sulaimon	669
Pamela M Summers	529
Bo Sun	206
Mary Sun	434
Sara A Sun	310
Ragha V Suresh	278
Leena A Suthar	207
Lucy Tan	260
Kathleen Tatem	255
Jaime L Temple	279
Abisola Tepede	208
Alexander V Tereshchenko	582
Sara Tesfazghi	209
Aishini Thiyagarajan	638
Cameron L Thomas	210
David Thomas	67
Yu Tian	311
Alyssa D Todaro	722
Soraya E Toghani	211
Aleron B Toledo	478
Kiran K Toor	212
Angie M Torres-Adorno	213
John Q Tran	280
Aaron L Troy	68
Jerry C Tsao	214
Yodit M Tsegaye	215
Kaylin K Tsukayama	670

Salefu Tuvalu	479
Millicent Twumasi	216
Zaheer Valivullah	217
Nicolaas M van Dijk	400
Bhavana S Vangara	623
Kelsey Vargas	671
Cesar D Velez-Penaloza	401
Mudit Verma	218
Josephine B Vincent	219
Max J Vinograd	583
Maria D Vitery	220
Cristina Vo	221
Maya C Wai	723
Cameron K Waites	402
Tessa L Walls	480
Jessica M Walthall	584
Eric L Wan	222
Annie Wang	593
Christine H Wang	69
Dennis Wang	70
Ethan Wang	223
Eugene Wang	530
Hejia Wang	624
Lu Wang	224
Ruoqi Wang	225
Ziyao Wang	226
Amanda E Ward	403
Veronica Watters	585
Francesca Weaks	586
Monica Wei	312
Andrew Weinstein	71
Alex Wendling	72
Morgan K Whetstone	724
Toni-Ann K Wiggan	481
Geneva L Williams	227
Kirkland A Wilson	352
Brandon W Wims	725
David J Winer	353
Paula Wu	531
Qi (Jade) Wu	532
Jacqueline A Wulu	672
Likun Xi	673
Xinran (Maria) Xiang	228
Zifan Xiang	482
Conway Xu	354
Tim Xu	533
Xuxinye Xu	313
Sandra C Yan	587

Amy S Yang	461
Annie D Yang	483
Brian E Yang	229
Charlotte L Yang	588
Jaclyn Yang	98
Jessica J Yang	314
Melissa Yang	315
Sarah H Yang	589
Amanda Yates	230
Ping T Yeh	674
Daranee Yongpradit	73
Stephen L Yu	625
Lewis W Yuan	231
Nadia Yusuf	590
Mileydis Zambrana	316
Betsir G Zemen	675
Dawen Zhang	74
Ellen G Zhang	232
Grace Y Zhang	534
Michael Y Zhang	75
Xuemin Zhang	233
Boyang Zhao	317
Jennifer Q Zhao	484
yumeng zhao	726
Anqi Zheng	407
Cindy Y Zhou	355
Deanna Zhu	98
Xinyi Zhu	485
Amanda C Zirzow	486
Sean M Zohorsky	626
Regina M Zolbrod	577
Regina M Zolbrod	591
Regina M Zolbrod	592
Andrew H Zureick	281
Sarah M Zweifach	404

INDEX OF EDUCATIONAL INSTITUTIONS

Abbingdon Senior High School	210
All Saints Cathedral School	126
American University	88, 609
Amherst College	102
Appalachian State University	716
Arizona State University	478
Atholton High School	610, 666
Augustana College	441
Baldwin-Wallace College	54
Barnard College	185
Bates College	548, 633
Bethesda-Chevy Chase High School	237, 242, 296, 500, 629, 676
Boston College	243, 258, 703
Boston University	9, 495, 705
Bowie High School	617
Brandeis University	195
Briar Woods High School	59
Brigham Young University	656
Brown University	125, 344, 353, 397, 404, 544
Bryn Mawr College	538
Bucknell University	147
Bullis School	162, 301
C.D. Hylton High School	212
California State University	651
California Institute of Technology	448
Canyon Crest Academy	467
Carleton College	22, 283
Carnegie Mellon University	19, 168, 581
Case Western Reserve University	231, 378, 431, 709
Catawba College	583
Catholic University of America	149, 319, 577, 591, 592
Centennial High School	129
Chaminade College Preparatory High School	351
Charles E. Smith Jewish Day School	28
Cherry Hill High School East	191
Choate Rosemary Hall	164
Claremont McKenna College	240
Clarksburg High School	218
Clemson University	691
Colegio Luterano Resurreccion Inc.	524
Colgate University	117
College of Charleston	348, 488
College of New Jersey	496, 635
College of the Holy Cross	392
College of William and Mary	38, 47, 502, 628, 636
Colonel Zadok Magruder High School	29

Colorado College	519, 522
Colorado State University	300
Columbia University	135, 177, 507, 689
Cornell University	1, 94, 207, 268, 369, 387, 532, 600, 621, 655, 717
Dartmouth College	223, 281, 375, 490
DePaul University	671
DePauw University	457
Dickinson College	127, 586
Drexel University	672
Duke University	175, 206, 290, 295, 357, 435, 487, 528, 584, 673
Dulaney High School	611, 620
Eastern Mennonite University	567
Eastern Virginia Medical School	694
Ecole Normale Superieure de Lyon	325
Edina High School	433
Eleanor Roosevelt High School	132, 165, 299, 631
Emory University	27, 69, 79, 136, 329, 449, 458, 565
Fairfax High School	174
Fairfield University	474
Fayetteville State University	112
Florida Gulf Coast University	83
Florida International University	349, 605, 614, 727
Florida Southern College	552
Florida State University	364
Forest Oak Middle School	385
Franklin and Marshall College	417, 668
Freehold High School	278
French International School	371
Gaithersburg High School	401, 442, 461
Gallaudet University	341
Gannon University	572
George C. Marshall High School	595
George Mason University	486
George Washington University	10, 170, 276, 362, 451
George Washington University School of Medicine	105
Georgetown Day School	31
Georgetown University	12, 257, 271, 333
Georgetown University School of Medicine	85, 146, 700, 713
Georgia Institute of Technology	547
Georgia State University	209
Gonzaga College High School	517
Goucher College	383
Governor Thomas Johnson High School	160
Grinnell College	506
Hagerstown Community College	480
Hamilton College	599
Hampton University	682

Harvard School of Public Health	65
Harvard University	181, 360, 561, 616
HB Woodlawn	510
Holmdel High School	98
Holton-Arms School	555
Hood College	155
Horry-Georgetown Technical	230
Howard University	110, 113, 121, 131, 326, 420, 481
Howard University College of Medicine	386, 590, 698, 708
Idaho State University	562
Illinois Mathematics and Science Academy	391
Immaculate Conception Academy	287
Interamerican University of Puerto Rico	634
Irvine Valley College	286
Jackson State University	91, 173, 304
James Madison University	7
Jericho High School	530
John F. Kennedy High School	57
Johns Hopkins School of Public Health	248
Johns Hopkins University	33, 42, 193, 225, 244, 273, 331, 373, 374, 477, 612, 646, 663, 704
Kalamazoo College	570
Kamehameha High School	308, 670
Lake Brantley High School	145
Lake- Sumter Community College	140
Landon School	159
Leonardtown High School	575
Long Reach High School	648
Loyola University Chicago	399
Loyola University Maryland	60
Lynchburg College	615
Madeira School	645
Maret School	50, 109, 438
Marquette University	551
Massachusetts Institute of Technology	205, 447, 468, 472, 588
McGill University	163, 409, 497, 514, 604
McLean High School	98, 483
Melvin J. Berman Hebrew Academy	68, 711
Messiah College	456
Michigan State University	252, 459
Middlebury College	123
Milton Academy	533
Molloy College	719
Monroe Township High School	190
Montclair State University	649
Montgomery Blair High School	23, 75, 99, 130, 141, 144, 222, 226, 269, 332, 354, 359, 365, 426, 557, 587, 630, 686
Montgomery College	250, 307, 390, 421, 658

Morehouse College	338
Mount St. Mary's College	66
New College of Florida	76
New Mexico State University	714
New York Institute of Technology	579
New York Medical College	219
New York University	470
North Carolina Agricultural and Technical State University	586, 725
North Carolina Central University	352
North Carolina State University	559
Northeastern Ohio Universities College of Medicine	265
Northeastern University	90
Northern Virginia Community College	20, 21, 267, 322, 406, 641
Northwest High School	52
Northwest Vista College	262
Northwestern University	176, 312, 370, 437, 627, 710
Nova Southeastern University	511
Oakton High School	61
Oberlin College	89
Ohio State University	63, 118
Ohio University	241, 498
Oregon State University	284, 608
Paint Branch High School	539
Palo Alto Senior High School	415
Patapsco High and Center for the Arts	647
Payton High School	489
Pennsylvania State University	46, 82
Phillips Academy at Andover	644, 665
Plano East Seenior High School	36
Polytechnic High School	368
Poolesville High School	14, 40, 138, 260, 355, 382, 403, 501, 534
Portland State University	169, 569
Prince George's Community College	77, 81, 453
Princeton University	67, 172, 285, 393, 410, 512, 585, 632
Punahou School	80
Quince Orchard High School	439
Rensselaer Polytechnic Institute	275, 680
Rice University	171, 674
Richard Montgomery High School	196, 249, 305, 309, 314, 315, 407, 683
Robert Wood Johnson Medical School	697
Russellville High School	593
Rutgers University	221
Saint Andrew's School	661
Saint Louis University	45
Salisbury University	594
San Diego State University	463
Sandhills Community College	602
Santa Monica College	564

Scripps College	450
Sherwood High School	24, 128, 298, 388
Sidwell Friends School	41
Skidmore College	550
Smith College	556
Southern Illinois University School of Medicine	721
Spelman College	718
St. Albans School	108
St. Andrew's Episcopal School	48
St. Anselm's Abbey School	400
St. Croix Educational Complex	653
St. George's School	396
St. Mary's College of Maryland	111, 189, 255, 693
St. Olaf College	72, 366
St. Marks School	153
Stanford University	95, 637
Sterling High School	664
Stetson University	323
Stone Bridge High School	150
Stuart Country Day School of the Sacred Heart	537
Suffield Academy	667
SUNY Binghamton	291
Swarthmore College	134, 330, 543
Temple University School of Pharmacy	166
Texas Womans University	216
The Bryn Mawr School	526
The George Washington University	251, 342, 540
The Hotchkiss School	520
The Hun School of Princeton	669
The Pingry School	367
The Preuss School UCSD	659
Thomas Jefferson High School for Science and Technology	32, 70, 98, 151, 280, 398, 424, 434, 446, 461, 484, 558, 613
Thomas S. Wootton High School	5, 30, 93, 201, 247, 311, 313, 321, 428, 432, 482, 485
Touro College of Osteopathic Medicine	200
Towson High School	666
Towson University	187, 471, 603, 652, 679, 712
Trinity University	133
Trinity Washington University	279
Tufts University	17
Tulane University	53, 498
Tulane University School of Public Health and Tropical Med	254
Tuscarora High School	106
Tuskegee University	411
United States Naval Academy	554
Univeristy of Mary Washington	114
Universidad del Este	523

Universidad Metropolitana	256, 422
University College Cork	418
University College Dublin	297
University of Arizona	692
University of California, Berkeley	148, 253, 310, 405, 469
University of California, Irvine	139
University of California, Los Angeles	34, 104, 197, 214, 531
University of California, Riverside	73
University of California, Santa Barbara	546
University of California: San Diego	182
University of Central Florida	618
University of Chicago	84, 601
University of Colorado	509, 560
University of Colorado Denver	566
University of Connecticut	395, 427
University of Connecticut School of Dental Medicine	440
University of Dallas	626
University of Delaware	282
University of Florida	15, 454, 549, 596, 623
University of Georgia	183
University of Hawaii at Manoa	413
University of Idaho	479
University of Illinois	677
University of Illinois at Urbana-Champaign	16, 74, 208, 384
University of Iowa	203
University of Kentucky	619
University of Louisiana at Lafayette	408
	6, 18, 25, 55, 56, 97, 116, 120, 122, 124, 154, 179, 180, 186, 192, 194, 215, 217, 229, 232, 233, 263, 270, 318, 320, 328, 337, 340, 347, 356, 361, 363, 376, 425, 464, 503, 516, 521, 535, 571, 573, 589, 625, 640, 660, 662, 685, 687, 696, 722, 724, 726
University of Maryland	724, 726
University of Maryland Eastern Shore	650
University of Maryland School of Medicine	345
University of Maryland, Baltimore County	443
	8, 96, 220, 224, 245, 264, 272, 277, 350, 491, 494, 504, 675
University of Maryland, Baltimore County	491, 494, 504, 675
University of Maryland, Eastern Shore	115, 246, 597
University of Miami	266, 316
University of Miami Miller School of Medicine	87
University of Michigan	49, 51, 98, 228, 236, 317, 547, 563, 582
University of Michigan Medical School	419, 525
University of Michigan-Flint	402
University of Minnesota	103, 292
University of Missouri	346
University of Montana	234
University of New Mexico	35, 227, 622

University of North Carolina	475
University of North Carolina - Chapel Hill	707, 723
University of North Carolina at Chapel Hill	202, 678, 706
University of North Carolina at Wilmington	536
University of North Texas	161, 598, 607
University of Pennsylvania	26, 142, 184, 289, 343, 389, 414, 430, 445, 527, 624, 681, 684
University of Pittsburgh	336, 444, 553, 593
University of Portland	39
University of Puerto Rico	455
University of Puerto Rico at Bayamon	213
University of Puerto Rico in Ponce	466
University of Puerto Rico Mayagüez Campus	476
University of Richmond	518
University of Rochester	274, 303, 452, 657, 690
University of San Francisco	429
University of South Carolina	545
University of South Florida	688
University of Southern California	339
University of Tampa	695
University of Texas at Arlington	699
University of Texas at Austin	211, 580, 643
University of Texas at Dallas	576
University of Texas Permian Basin	358
University of Utah	64
University of Vermont	4
University of Virginia	43, 92, 152, 293, 294, 492, 493, 499, 606
University of Virginia School of Medicine	715
University of Washington	62, 107, 238, 302, 416
University of Wisconsin-Madison	642
University of Wyoming	412
Urbana High School	157, 639
Vanderbilt University	204, 533, 568
Vestavia Hills High School	574
Virginia Commonwealth University	199, 577, 578, 592, 654
Virginia Polytechnic Institute and State University	167
Virginia Tech	198, 259, 261, 462
Wake Forest University	306, 541, 701
Walt Whitman High School	37, 71, 288
Walter Johnson High School	2, 324, 542
Washington Lee High School	11
Washington University in St. Louis	327, 335, 394, 460
Wayne State University	78
Wellesley College	515
Wesleyan University	58, 143, 504
Western University of Health Sciences	702
Wheaton College	436
Wichita State University	473

Wilde Lake High School	188
William Fremd High School	98
Williams College	235, 239, 529
Winston Churchill High School	3, 13, 86, 100, 101, 158, 176, 372, 379, 380, 381, 465, 505, 513, 638, 720
Woodrow Wilson High School	377
Wright State University	178
Yale University	44, 119, 156, 508
Yeshiva of Greater Washington	423
Yeshiva University	137
Yorktown High School	334