build your career, shape the future

August 5
2010

NIH SUMMER RESEARCH PROGRAM

POSTER DAY

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

2 Center Drive
Building 2, Second Floor
301-496-2427
Bethesda, MD 0240
www.training.nih.gov

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

| □ | 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 |
Index of Participants
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, Parasitical 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, Parasitical 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, Parasitical and Unconventional Agents

4. John A Farrell
   Prion protein does not influence erythropoiesis in ß-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. Woottom
   Hometown: Rockville, MD
   Dr. Ewa Marszał, 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 Inhibiton 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 Basser, 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 Cytolethal 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
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
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 (tlor) 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
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 a3b1 Integrin*  
Emory University  
Hometown: Marietta, GA  
Dr. Stetler Stevenson,  
Dr. Matthew Rittler, Preceptors  
Radiation Oncology Branch

80. Quentin K Aknin
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 TGFβ1 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. Wootten 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-ß specific diabodies: potential treatment for arthritis and leukemia
University of Maryland
Hometown: Frederick, MD
Dr. Dimitar 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
99. Savannah L Cheo  
*DNA methylation enhances DNA binding of C/EBPa*
Montgomery Blair High School  
Hometown: Kensington, MD  
Dr. Charles R. Vinson, Preceptor  
Laboratory of Cell Biology

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
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. Eseigbora 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
131. Christina N Johnson
*Optimization of Kaposi sarcoma herpesvirus-infected monocyte-derived dendritic cell cocultures 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
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
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,
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
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
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*
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

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

Cameron L Thomas
Effect of Increased Timp2 Expression on A549 Lung Cancer Cells Using a Tet-On System
Abington Senior High School
Hometown: Willow Grove, PA
Dr. William G. Stetler-Stevenson, Preceptor
Radiation Oncology Branch

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

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

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
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 Dessoffy**  
*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, IGFBP3 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 Epigetically-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
258. Jeans M Santana
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
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-γ 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-1α 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 Althauser  
*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
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
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 Burnetti  
*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 Superieure 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,
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 Mayland 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 Nephrin 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
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
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*
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
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 naïve 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 Kottilig,  
Dr. Marybeth Daucher, Preceptors  
Laboratory of Infectious Diseases

384. Andrew Y Lee  
*High Resolution Computational Model of 3D Cellular Motility Through a Fibrous Matrix*
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 a chain of integrins, a4ß7 and a4ß1*  
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
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 Leppla, 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-Penaloza
*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*
Pooleville 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 Albuminaria
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
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. Francoise 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. Onyinya 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

435. Jose C Castillo

Fbln7-d3, a fragment of the extracellular matrix protein fibulin-7, binds to endothelial cells through integrin a5ß1 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 Eglovitch
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
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
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
Hometown: 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. Xiongc 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 Bioorganic Chemistry

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 PolII 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
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
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

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

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

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

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

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
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. Lindasy 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
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: Klinefetler 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
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

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 Hoeppner, 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 spirography 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
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 TCFEC, 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
550. Sean E Healton  
*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 Moisiff
*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*
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
Leonardtown High School
Hometown: Leonardtown, MD
Dr. Ralph Nelson, Preceptor
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 Activites 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 Kobilo-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
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 ChlR1 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
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
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: Baltimore, 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
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
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 pedunculopontine 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,
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 Aid 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 Cushionoid Patient*
Hampton University
Hometown: Laurel, MD
Ms. Lori Purdie, Preceptor
Nursing Department

683. Wendy W Cai
*Transcriptome changes in Ptpm-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 Dominguex, Preceptor
700. Ryan D Kindle
*Integrating Secure Distributed Document Sharing with the NHIN via CONNECT*
Georgetown University School of Medicine
Hometown: Washington, DC
Dr. Jon McKeebey,
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 Laryngopharanx 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
<table>
<thead>
<tr>
<th>PRESENTER</th>
<th>POSTER #</th>
<th>PRESENTER</th>
<th>POSTER #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suzanne A Abdelazim</td>
<td>356</td>
<td>Alexandra R Berg</td>
<td>239</td>
</tr>
<tr>
<td>Alicia P Abedi</td>
<td>282</td>
<td>Rebecca Berger</td>
<td>681</td>
</tr>
<tr>
<td>Brent S Abel</td>
<td>17</td>
<td>Joseph T Berko</td>
<td>597</td>
</tr>
<tr>
<td>Alice M Abernathy</td>
<td>76</td>
<td>Pritha Bhattacharyya</td>
<td>446</td>
</tr>
<tr>
<td>Nicholas B Abt</td>
<td>15</td>
<td>Paul W Bible</td>
<td>408</td>
</tr>
<tr>
<td>David S Accame</td>
<td>318</td>
<td>Leslie A Bilello</td>
<td>85</td>
</tr>
<tr>
<td>Suyesh Acharya</td>
<td>444</td>
<td>Allison S Binder</td>
<td>540</td>
</tr>
<tr>
<td>Shannon Y Adams</td>
<td>644</td>
<td>Ross W Bittman</td>
<td>646</td>
</tr>
<tr>
<td>Adeoluwa E Adewuyi</td>
<td>77</td>
<td>Catherine W Blackwell</td>
<td>491</td>
</tr>
<tr>
<td>Vishesh Agrawal</td>
<td>445</td>
<td>Alexander Bliskovsky</td>
<td>676</td>
</tr>
<tr>
<td>Ida Ahmadizadeh</td>
<td>236</td>
<td>Benjamin A Bloom</td>
<td>492</td>
</tr>
<tr>
<td>Nasif S Ahmed</td>
<td>18</td>
<td>James Blum</td>
<td>86</td>
</tr>
<tr>
<td>Sidra Ahsan</td>
<td>78</td>
<td>David L Boone</td>
<td>319</td>
</tr>
<tr>
<td>Taylor J Aiken</td>
<td>357</td>
<td>Antoine Bosselut</td>
<td>409</td>
</tr>
<tr>
<td>Omair Akhtar</td>
<td>79</td>
<td>Elizaveta Bourclette</td>
<td>504</td>
</tr>
<tr>
<td>Wajihla Z Akhtar</td>
<td>596</td>
<td>Daniel W Bowen</td>
<td>541</td>
</tr>
<tr>
<td>Quentin K Aknin</td>
<td>80</td>
<td>Aleah C Bowie</td>
<td>360</td>
</tr>
<tr>
<td>Kristine Albanes</td>
<td>237</td>
<td>Mazdak M Bradberry</td>
<td>627</td>
</tr>
<tr>
<td>Samuel R Althauser</td>
<td>283</td>
<td>Jessica Brannock</td>
<td>647</td>
</tr>
<tr>
<td>Mallory Amaya</td>
<td>679</td>
<td>Laura E Braun</td>
<td>542</td>
</tr>
<tr>
<td>Leila J Ameli-Grillon</td>
<td>488</td>
<td>Shane Breazeale</td>
<td>286</td>
</tr>
<tr>
<td>Mark J Amirtharaj</td>
<td>535</td>
<td>Victoria S Brown</td>
<td>87</td>
</tr>
<tr>
<td>Rita N Anu</td>
<td>81</td>
<td>Brittany L Bryant</td>
<td>682</td>
</tr>
<tr>
<td>Michelle L Arey</td>
<td>536</td>
<td>Dianna E Buckett</td>
<td>240</td>
</tr>
<tr>
<td>Elisabeth A Arndt</td>
<td>19</td>
<td>Sean Burn</td>
<td>88</td>
</tr>
<tr>
<td>Amie A Atiyeh-Marks</td>
<td>82</td>
<td>Anthony J Burnetti</td>
<td>320</td>
</tr>
<tr>
<td>Julie A Auxier</td>
<td>284</td>
<td>Jamie Byun</td>
<td>361</td>
</tr>
<tr>
<td>Camila Avila</td>
<td>83</td>
<td>Adrian G Cadar</td>
<td>598</td>
</tr>
<tr>
<td>Yaminzy Ayakannu</td>
<td>259</td>
<td>Wendy W Cai</td>
<td>683</td>
</tr>
<tr>
<td>Jennifer F Azeez</td>
<td>489</td>
<td>Sharon Camacho</td>
<td>256</td>
</tr>
<tr>
<td>Josue Baeza</td>
<td>358</td>
<td>Lauren Canary</td>
<td>362</td>
</tr>
<tr>
<td>Joseph I Bailey</td>
<td>84</td>
<td>Fang Y Cao</td>
<td>23</td>
</tr>
<tr>
<td>Atieh Bakhtiar</td>
<td>20</td>
<td>Youda Cao</td>
<td>543</td>
</tr>
<tr>
<td>Matthew P Banegas</td>
<td>238</td>
<td>Nathan J Carberry</td>
<td>684</td>
</tr>
<tr>
<td>Lauren Bange</td>
<td>680</td>
<td>Kathleen M Cardinale</td>
<td>493</td>
</tr>
<tr>
<td>Bina B Bansinath</td>
<td>537</td>
<td>Andrea V Carnie</td>
<td>89</td>
</tr>
<tr>
<td>Maria M Barsky</td>
<td>490</td>
<td>Angeliz M Caro</td>
<td>287</td>
</tr>
<tr>
<td>Nick A Bax</td>
<td>285</td>
<td>Ross O Carpenter</td>
<td>628</td>
</tr>
<tr>
<td>Rachel M Behrend</td>
<td>538</td>
<td>Courtney M Carroll</td>
<td>599</td>
</tr>
<tr>
<td>Lauren M Belayneh</td>
<td>645</td>
<td>Makeda A Carroll</td>
<td>648</td>
</tr>
<tr>
<td>Detti H Belina</td>
<td>539</td>
<td>Megan S Casady</td>
<td>261</td>
</tr>
<tr>
<td>Anastasiya Belyaeva</td>
<td>359</td>
<td>Maria D Castano</td>
<td>90</td>
</tr>
<tr>
<td>Mouadh Benamar</td>
<td>21</td>
<td>Jose C Castillo</td>
<td>435</td>
</tr>
<tr>
<td>Katherine Benson</td>
<td>22</td>
<td>Mike Cato</td>
<td>91</td>
</tr>
<tr>
<td>Name</td>
<td>Page</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td>------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rebecca Certner</td>
<td>685</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noo R Chai</td>
<td>544</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mayukh Chakrabarti</td>
<td>494</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carmen K Chan</td>
<td>92</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wilson Chan</td>
<td>93</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lois Y Chang</td>
<td>24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lucas M Chang</td>
<td>94</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sarah M Chang</td>
<td>95</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zanetta Chang</td>
<td>363</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Krysten M Chapa</td>
<td>262</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tania Chatterjee</td>
<td>96</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shawn S Chawla</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amy X Chen</td>
<td>97</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Christopher Chen</td>
<td>600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Haoxing Chen</td>
<td>263</td>
<td></td>
<td></td>
</tr>
<tr>
<td>John Chen</td>
<td>447</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kevin H Chen</td>
<td>601</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Litting Chen</td>
<td>98</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lu Chen</td>
<td>448</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wenjing Chen</td>
<td>686</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alexander W Cheney</td>
<td>629</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kevin Cheng</td>
<td>288</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Savannah L Cheo</td>
<td>99</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safichia G Chew</td>
<td>364</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lina Chhuy-Hy</td>
<td>11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harshini Chinnasamy</td>
<td>321</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monica M Cho</td>
<td>100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jason H Choi</td>
<td>289</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kyujoo Choi</td>
<td>365</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Danielle M Chou</td>
<td>449</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joshua Chou</td>
<td>436</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rohini Choudhuri</td>
<td>101</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ian Chow</td>
<td>437</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allison Christiaansen</td>
<td>366</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kathy Chu</td>
<td>290</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reena Clements</td>
<td>495</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Morgan B Clinton</td>
<td>545</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Katharina R Clore-Gronenborn</td>
<td>546</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ana G Coello Escoto</td>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elizabeth S Cogan</td>
<td>649</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adam A Collins-Belshe</td>
<td>602</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eduardo Contijoch</td>
<td>410</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hannah A Cooper</td>
<td>102</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michelle A Cornacchia</td>
<td>496</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joshua Cornman-Homanoff</td>
<td>26</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peter J Cote</td>
<td>677</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kiera A Coy</td>
<td>322</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Candice Craig</td>
<td>264</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suanur M Cureoglu</td>
<td>103</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rashalai A Currington</td>
<td>650</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brendan M Cusack</td>
<td>687</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jan Czermsinski</td>
<td>497</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Urania Dagalakis</td>
<td>27</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Helen A Daifotis</td>
<td>367</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lauren A Dalvin</td>
<td>265</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael G Daniel</td>
<td>104</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carolyn M Davidson</td>
<td>498</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jessica M Davis</td>
<td>323</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ricklie A Davis</td>
<td>105</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moez Dawood</td>
<td>98</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mary Ann de Banate</td>
<td>450</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ann M Decker</td>
<td>499</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allison P Del Giorno</td>
<td>547</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lauren A Demers</td>
<td>548</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sunil A Deolalikar</td>
<td>368</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kimberly Dessoffy</td>
<td>241</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Daniel Diaz</td>
<td>266</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Susan Diaz</td>
<td>688</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sarah Dicker</td>
<td>28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Caroline Diehl</td>
<td>500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Christina DiFabio</td>
<td>106</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joseph G Dolan</td>
<td>107</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Henry Dorbu</td>
<td>324</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chen Dou</td>
<td>501</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sheila A Dougherty</td>
<td>651</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Katherine M Dove</td>
<td>502</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sydney C Dubois</td>
<td>325</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brian J DuChez</td>
<td>451</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joseph A Duda</td>
<td>639</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrew J Duffy</td>
<td>108</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natasha Duggal</td>
<td>29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nikki Duong</td>
<td>503</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nora Eccles</td>
<td>109</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michelle S Eglovitch</td>
<td>452</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Daniel G Eichberg</td>
<td>369</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Esther E Ekpin</td>
<td>110</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amelia C Ettinger</td>
<td>111</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Justin D Evans</td>
<td>112</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Altovise T Ewing</td>
<td>326</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Qihua Fan</td>
<td>487</td>
<td></td>
<td></td>
</tr>
<tr>
<td>John A Farrell</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jonathon S Farzanfar</td>
<td>652</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Megan Fauci</td>
<td>689</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carina L Felix</td>
<td>653</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Herman W Fennell</td>
<td>113</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elena V Fennell</td>
<td>114</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td>--------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loren L Fierstein</td>
<td>603</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joel A Finbloom</td>
<td>370</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anteneh K Fisseha</td>
<td>453</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scott A Flipping</td>
<td>115</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anastasia A Ford</td>
<td>549</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amanda M Foskett</td>
<td>454</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Julie A Foucher</td>
<td>547</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthony M Fox</td>
<td>116</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Krzysztof M Franaszek</td>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benjamin R Freedman</td>
<td>690</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sebastian R Freeman</td>
<td>291</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rebecca A Friedland</td>
<td>117</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rena B Friedman</td>
<td>423</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guodong Fu</td>
<td>630</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Qi Fu</td>
<td>118</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Godfrey Furchtgott</td>
<td>371</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stephanie P Galarza</td>
<td>119</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kriti Gandhi</td>
<td>604</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mayra Y Garcia</td>
<td>455</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Justine M Garofalo</td>
<td>691</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sonia S Gaur</td>
<td>372</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jamie R Genderson</td>
<td>498</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Danielle K George</td>
<td>631</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adam J Gerber</td>
<td>504</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Henry Geria</td>
<td>31</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frederick P Ghandchi</td>
<td>32</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rahel Ghenbot</td>
<td>292</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alecia Gibson</td>
<td>267</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ellen M Gibson</td>
<td>654</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alexandra J Giedd</td>
<td>505</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diana Godfrey</td>
<td>692</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alicia E Goertel</td>
<td>424</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrew M Golboro</td>
<td>640</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ian A Gold</td>
<td>506</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rachel L Goldfeder</td>
<td>327</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clara M Gomez</td>
<td>120</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anabel Gonzalez Gil</td>
<td>605</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anne E Goodling</td>
<td>456</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sushmita B Gordhandas</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sarah E Gordon</td>
<td>507</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amber N Grace</td>
<td>411</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phillip Grant</td>
<td>373</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remina A Greenfield</td>
<td>693</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emma D Griffin</td>
<td>508</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dominic Grimberg</td>
<td>655</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kathryn M Grimes</td>
<td>33</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nathan D Grubaugh</td>
<td>374</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Victoria A Grunberg</td>
<td>509</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stephane A Guerrier</td>
<td>268</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yanina Guevara</td>
<td>457</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gill Y Guo</td>
<td>269</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sammy Gurman</td>
<td>270</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ezra Hackett</td>
<td>121</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robert C Hagerty</td>
<td>242</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amy N Hamaker</td>
<td>656</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alicia Hamar</td>
<td>510</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allison Hamilton</td>
<td>694</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shing Han</td>
<td>122</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alli Hanley</td>
<td>511</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leah A Harman</td>
<td>727</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colleen T Harrington</td>
<td>606</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nicole A Harris</td>
<td>607</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rachel Hart</td>
<td>328</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kira Harvey</td>
<td>329</td>
<td></td>
<td></td>
</tr>
<tr>
<td>John J Hatch</td>
<td>293</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clark M Hatheway</td>
<td>123</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sean E Healton</td>
<td>550</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Caroline S Hefner</td>
<td>641</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heidi A Hempel</td>
<td>124</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lansdale G Henderson</td>
<td>294</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nicholai A Henry</td>
<td>458</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nathan D Herdener</td>
<td>608</td>
<td></td>
<td></td>
</tr>
<tr>
<td>David E Hershkowitz</td>
<td>438</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alexis Hickman</td>
<td>330</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Richard Hildreth</td>
<td>632</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laura Hobbs</td>
<td>657</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alexander P Hoekstra</td>
<td>459</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nadia E Hoekstra</td>
<td>243</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Megan L Hohenstein</td>
<td>695</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timothy J Hohman</td>
<td>609</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moshe A Honick</td>
<td>658</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sarah-Marie Hopf</td>
<td>375</td>
<td></td>
<td></td>
</tr>
<tr>
<td>David Hou</td>
<td>176</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max K Hu</td>
<td>376</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Justin K Huang</td>
<td>678</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Justin T Huang</td>
<td>696</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matthew Huberty</td>
<td>551</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alyssa R Huebner</td>
<td>552</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Meghan S Hughes</td>
<td>125</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noah C Hull</td>
<td>412</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jane Hur</td>
<td>697</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lauren M Hurwitz</td>
<td>244</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Taisha S Husbands</td>
<td>126</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alina T Hwang</td>
<td>439</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shelly Hwang</td>
<td>127</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jacqueline Ibarra</td>
<td>659</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Page</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------</td>
<td>------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lisbeth Iglesias Rios</td>
<td>35</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nadir Ijaz</td>
<td>295</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eseigboria J Ikheloa</td>
<td>128</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Osazode O Imoisili</td>
<td>129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minna Jacobson</td>
<td>296</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rizwan R Jagani</td>
<td>36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supriya Jain</td>
<td>698</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rakesh Jambusaria</td>
<td>405</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anita K James</td>
<td>553</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shayma M Jawad</td>
<td>271</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shelley Jin</td>
<td>130</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Susan Jin</td>
<td>425</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Christina N Johnson</td>
<td>131</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laura E Jones</td>
<td>132</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wesley w Jong</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nargis S Jordan</td>
<td>133</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amritanshu Joshi</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Balbine C Jourdan</td>
<td>377</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sunaina Kapoor</td>
<td>460</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vikas Kataria</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brian R Katz</td>
<td>666</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amit Kaul</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alpana Kaushiva</td>
<td>245</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shadia Kawa</td>
<td>257</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ingrid H Kelley</td>
<td>699</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael R Kellman</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roberta A Kelm</td>
<td>440</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marissa A Kern</td>
<td>441</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wafa K Khadraoui</td>
<td>331</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irfan S Khan</td>
<td>610</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sahar G Khan</td>
<td>461</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sameena Khan</td>
<td>297</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zoha Khan</td>
<td>298</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kenneth Kho</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thi N Khuc</td>
<td>660</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rima A Kikani</td>
<td>272</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sarah Kim</td>
<td>38</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ryan D Kindle</td>
<td>700</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pat Kirkland</td>
<td>413</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Christine Kiruthu</td>
<td>246</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zachary A Kloos</td>
<td>378</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Akihiro C Ko</td>
<td>611</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pin-Joe Ko</td>
<td>332</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bernard J Koch</td>
<td>134</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scott J Koenig</td>
<td>554</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Logan Kolakowski</td>
<td>701</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ioanna M Kosmaoglou</td>
<td>379</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Komal Kothari</td>
<td>135</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abdul M Kouanda</td>
<td>136</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allison Koutsandreass</td>
<td>593</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nicholas C Kovacs</td>
<td>380</td>
<td></td>
<td></td>
</tr>
<tr>
<td>William C Kovacs</td>
<td>381</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vasudha Kowtha</td>
<td>299</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lev V Krayzman</td>
<td>426</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matthew S Kreitman</td>
<td>137</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vishnupriya M Krishnan</td>
<td>555</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rebecca P Krosnick</td>
<td>138</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kari Kubalanza</td>
<td>333</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kalyani D Kumar</td>
<td>382</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shanee Kumar</td>
<td>661</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stephanie C Ku</td>
<td>273</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrew S LaCroix</td>
<td>642</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Curtis R Lacy</td>
<td>139</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Claudia Landazabal</td>
<td>334</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Julie A Landers</td>
<td>39</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chandana Langa</td>
<td>383</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jennifer Larmore</td>
<td>140</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steven J Larrick</td>
<td>324</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modinat Lawal</td>
<td>556</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sarah Leach</td>
<td>414</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrew Y Lee</td>
<td>384</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jinoo Y Lee</td>
<td>702</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kevin M Lee</td>
<td>415</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roslyn T Lee</td>
<td>247</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael Lehrer</td>
<td>300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maureen Lei</td>
<td>141</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rachel D Lekksana</td>
<td>557</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rachel M Lellis</td>
<td>427</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eric R Leon</td>
<td>406</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steven Leung</td>
<td>142</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kevin Levine</td>
<td>335</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deyana Lewis</td>
<td>336</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrew Y Li</td>
<td>40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eileen J Li</td>
<td>428</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximilian M Li</td>
<td>512</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Raymond Y Li</td>
<td>13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Samuel Li</td>
<td>143</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Willy W Li</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sydney E Liang</td>
<td>337</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diamond Ling</td>
<td>274</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shauna T Linn</td>
<td>612</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melody C Liu</td>
<td>613</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diana K Lloyd</td>
<td>462</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jonae N Lloyd</td>
<td>513</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Phone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------------------</td>
<td>-------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graham P Lobel</td>
<td>558</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alexandre G Lockhart</td>
<td>559</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Danielle R Locust</td>
<td>560</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anayansi Lombardero</td>
<td>234</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charles L Long</td>
<td>703</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sharon Long</td>
<td>514</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carolina Lopez De La Torre</td>
<td>463</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dara H Lorn</td>
<td>385</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vichit H Lorn</td>
<td>442</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sima Lotfi</td>
<td>515</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Christopher D Lu</td>
<td>41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connie Lu</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laura Y Lu</td>
<td>301</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kirsten J Lum</td>
<td>42</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jonathan P Luo</td>
<td>416</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Austin Luskin</td>
<td>417</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ke Ma</td>
<td>464</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wenting Ma</td>
<td>144</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paige Maas</td>
<td>248</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ellen Macadam</td>
<td>561</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cynthia Mahesh</td>
<td>145</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mary E Maldarelli</td>
<td>704</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sandra M Mantilla</td>
<td>614</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Juliana Mariani</td>
<td>146</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rachel A Marincola</td>
<td>465</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yichao W Mark</td>
<td>705</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Katie Martin</td>
<td>43</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Taylor H Martin</td>
<td>147</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elijah Martin, III</td>
<td>338</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aida Martinez</td>
<td>429</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jose E Martinez Garcia</td>
<td>466</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spyridon M astroynannis</td>
<td>44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Madeleine M Mateo</td>
<td>662</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sabrina A Mathenia</td>
<td>45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Megan E Mathews</td>
<td>46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ambika Mathur</td>
<td>516</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brooke C Matson</td>
<td>47</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joe Matten</td>
<td>467</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laura K Max</td>
<td>633</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrew J Maxwell</td>
<td>148</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sheila Mc Sweeney</td>
<td>418</td>
<td></td>
<td></td>
</tr>
<tr>
<td>William J McGarey</td>
<td>339</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lynne McIntyre</td>
<td>149</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lucas P McLaughlin</td>
<td>48</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael J McLaughlin</td>
<td>517</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jonathan T McMichael</td>
<td>302</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bruce B McNair</td>
<td>706</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Christie C Mead</td>
<td>49</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allison M Meadows</td>
<td>150</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preema J Mehta</td>
<td>386</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael Mekonnen</td>
<td>468</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sophia E Mendelson</td>
<td>50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alyssa-Claire T Mendoza</td>
<td>151</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Luhe Mian</td>
<td>152</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adela M Miller</td>
<td>465</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stefanie R Milner</td>
<td>303</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carmen G Minsal</td>
<td>153</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mariya Mirvis</td>
<td>154</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kevin J Misner</td>
<td>155</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kishan P Mistry</td>
<td>249</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nima Moaven</td>
<td>340</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ankit A Modi</td>
<td>469</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bhavna Mohanraj</td>
<td>275</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anjana J Mohanty</td>
<td>707</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maxwell I Moholy</td>
<td>562</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kayla L Mohr</td>
<td>615</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bianca R Moiseff</td>
<td>563</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kristine M Molina</td>
<td>51</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adam J Money</td>
<td>156</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lina Montoya</td>
<td>663</td>
<td></td>
<td></td>
</tr>
<tr>
<td>David Moosavi</td>
<td>564</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nosheen Moosvi</td>
<td>157</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Justin E Morales</td>
<td>664</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nomso Mordi</td>
<td>634</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brent C Morel</td>
<td>565</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elizabeth L Morse</td>
<td>158</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adam D Mumy</td>
<td>250</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Victorine Muse</td>
<td>533</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Philip L Musssenden, Jr</td>
<td>708</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lindsay B Myerberg</td>
<td>518</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jonathan S Na</td>
<td>665</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jeffrey L Nadel</td>
<td>519</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Taiyabah Naeem</td>
<td>341</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Krishnasai K Nagineni</td>
<td>52</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Julia M Nagle</td>
<td>616</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yoriko M Nakamura</td>
<td>387</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Henna Nandwani</td>
<td>98</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Navin K Natarajan</td>
<td>470</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Divya Nayyar</td>
<td>471</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Erin Needelman</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naomi Nemoto</td>
<td>53</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toni T Nettles</td>
<td>304</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chris Neumann</td>
<td>159</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isabella F Newton</td>
<td>160</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Felacita L Nez</td>
<td>566</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elaine M Nghiem</td>
<td>388</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>ID</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-----</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trang Jennifer Nguyen</td>
<td>342</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Katherine Ni</td>
<td>305</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anne E Nichols</td>
<td>306</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Terren K Niethamer</td>
<td>343</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Devon Nixon</td>
<td>419</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jonathan Nofziger</td>
<td>567</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Juliette I Nwagbara</td>
<td>161</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phillip E Nwosu</td>
<td>162</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kathleen E O'Brien</td>
<td>344</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mofiyin O'Brien</td>
<td>307</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Onyinye U Ochi</td>
<td>420</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chiemela J Ogbonna</td>
<td>617</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anna Oguhebe</td>
<td>568</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Olusegun S Ogunwomoju</td>
<td>520</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phoebe F Oldach</td>
<td>586</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charlotte Oliver</td>
<td>163</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lyra B Olson</td>
<td>164</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joshua N Omade</td>
<td>165</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stephanie E Onuoha</td>
<td>709</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ian Oppenheim</td>
<td>345</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Whitney L Osborne</td>
<td>251</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nauramy Osefo</td>
<td>166</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kayla Otto</td>
<td>167</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ann Ouyang</td>
<td>472</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rory P.</td>
<td>31</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tyler W Pacholski</td>
<td>473</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natassja Pal</td>
<td>569</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James Pan</td>
<td>168</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Janson Pan</td>
<td>389</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abhishek Pandey</td>
<td>390</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roopa S Pandit</td>
<td>570</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lisa Pang</td>
<td>430</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrew J Para</td>
<td>252</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anjali Parekh</td>
<td>710</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jonathan J Park</td>
<td>391</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nate A Parker</td>
<td>54</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Neena Passi</td>
<td>276</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Simona Patange</td>
<td>169</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dhruv N Patel</td>
<td>521</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rahul N Patel</td>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noah Y Paul</td>
<td>711</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Daniel M Peaceman</td>
<td>170</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chengwei Peng</td>
<td>171</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Subha Perni</td>
<td>172</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Candice D Perry</td>
<td>173</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stephanie Perry</td>
<td>712</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Virginia Lynn Peterson</td>
<td>594</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mary Pfeifer</td>
<td>55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Page</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------</td>
<td>------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Megan U Roosen-Runge</td>
<td>62</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natalie T Rose</td>
<td>716</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emily A Rosen</td>
<td>397</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alex M Rosenberg</td>
<td>184</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jennifer A Ross</td>
<td>619</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Theodore L Roth</td>
<td>574</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Richard K Rothman</td>
<td>668</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rebecca Rothwell</td>
<td>475</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Caitlin M Royster</td>
<td>717</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kathryn G Rozen-Gagnon</td>
<td>185</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laura Russell</td>
<td>186</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrew J Sacks</td>
<td>187</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Divya C Sahajwalla</td>
<td>432</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melody P Sahar-Khiz</td>
<td>188</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aparna Saija</td>
<td>575</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anam Salman</td>
<td>350</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leanne Sanders</td>
<td>63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jeans M Santana</td>
<td>258</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Braeden K Santiago</td>
<td>308</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Margo I Santiago</td>
<td>189</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Omar A Santiago Baez</td>
<td>476</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Akanksha Saxena</td>
<td>190</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Apeksha Saxena</td>
<td>576</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Linda H Scheider</td>
<td>577</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Linda H Scheider</td>
<td>578</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Linda H Scheider</td>
<td>592</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Karen C Schliep</td>
<td>64</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carla A Scott</td>
<td>718</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anisha Sehgal</td>
<td>191</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eva Seligman</td>
<td>525</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hammad Shah</td>
<td>443</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shandiz Shahbazi</td>
<td>192</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sarine G Shahmirian</td>
<td>351</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andi Shahu</td>
<td>193</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kelly G Shan</td>
<td>526</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mengge Shan</td>
<td>194</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xin Shan</td>
<td>637</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shaefali Shandilya</td>
<td>195</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marica Sharashenidze</td>
<td>196</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aria R Sharma</td>
<td>398</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael Sheer</td>
<td>719</td>
<td></td>
<td></td>
</tr>
<tr>
<td>John E Shen</td>
<td>579</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kelly S Sherman</td>
<td>527</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yilan Shi</td>
<td>197</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eric J Shiroma</td>
<td>65</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael J Shlossman</td>
<td>198</td>
<td></td>
<td></td>
</tr>
<tr>
<td>David Z Shou</td>
<td>309</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Karen J Shou</td>
<td>199</td>
<td></td>
<td></td>
</tr>
<tr>
<td>shweta shukla</td>
<td>620</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Megan A Sichler</td>
<td>621</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jeffrey Siegel</td>
<td>477</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lauren M Sigman</td>
<td>580</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brittany A Simone</td>
<td>200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lacy M Simons</td>
<td>399</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eleanor R Simpson</td>
<td>201</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Haley Simpson</td>
<td>202</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amitosh Singh</td>
<td>720</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Christia Angela M Sison</td>
<td>66</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carmen J Smith</td>
<td>203</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Samuel H Smith</td>
<td>622</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shelby P Smith</td>
<td>204</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Britanne J Socks</td>
<td>721</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sabina Sood</td>
<td>205</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crystal L Speaks</td>
<td>254</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Justin R Sperling</td>
<td>643</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sharanya Srinivasan</td>
<td>433</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benjamin S Stan</td>
<td>528</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jesse A Stokum</td>
<td>581</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Christine E Stuart</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hafeez O Sulaimon</td>
<td>669</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pamela M Summers</td>
<td>529</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bo Sun</td>
<td>206</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mary Sun</td>
<td>434</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sara A Sun</td>
<td>310</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ragha V Suresh</td>
<td>278</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leena A Suthar</td>
<td>207</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lucy Tan</td>
<td>260</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kathleen Tatem</td>
<td>255</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jaime L Temple</td>
<td>279</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abisola Tepede</td>
<td>208</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alexander V Tereshchenko</td>
<td>582</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sara Tesfazghi</td>
<td>209</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aishini Thiyagarajan</td>
<td>638</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cameron L Thomas</td>
<td>210</td>
<td></td>
<td></td>
</tr>
<tr>
<td>David Thomas</td>
<td>67</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yu Tian</td>
<td>311</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alyssa D Todaro</td>
<td>722</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Soraya E Toghani</td>
<td>211</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aleron B Toledo</td>
<td>478</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kiran K Toor</td>
<td>212</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Angie M Torres-Adorno</td>
<td>213</td>
<td></td>
<td></td>
</tr>
<tr>
<td>John Q Tran</td>
<td>280</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aaron L Troy</td>
<td>68</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jerry C Tsao</td>
<td>214</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yodit M Tsgeaye</td>
<td>215</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kaylin K Tsukayama</td>
<td>670</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Page</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------</td>
<td>------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Salefu Tuvalu</td>
<td>479</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Millicent Twumasi</td>
<td>216</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zaheer Valivullah</td>
<td>217</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nicolaas M van Dijk</td>
<td>400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bhavana S Vangara</td>
<td>623</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kelsey Vargas</td>
<td>671</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cesar D Velez-Penaloza</td>
<td>401</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mudit Verma</td>
<td>218</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Josephine B Vincent</td>
<td>219</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max J Vinograd</td>
<td>583</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maria D Vityery</td>
<td>220</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cristina Vo</td>
<td>221</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maya C Wai</td>
<td>723</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cameron K Waites</td>
<td>402</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tessa L Walls</td>
<td>480</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jessica M Walthall</td>
<td>584</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eric L Wan</td>
<td>222</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annie Wang</td>
<td>593</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Christine H Wang</td>
<td>69</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dennis Wang</td>
<td>70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethan Wang</td>
<td>223</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eugene Wang</td>
<td>530</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hejia Wang</td>
<td>624</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lu Wang</td>
<td>224</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ruoqi Wang</td>
<td>225</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ziyao Wang</td>
<td>226</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amanda E Ward</td>
<td>403</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Veronica Watters</td>
<td>585</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Francesca Weak</td>
<td>586</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monica Wei</td>
<td>312</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrew Weinstein</td>
<td>71</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alex Wendling</td>
<td>72</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Morgan K Whetstone</td>
<td>724</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toni-Ann K Wiggan</td>
<td>481</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geneva L Williams</td>
<td>227</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kirkland A Wilson</td>
<td>352</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brandon W Wims</td>
<td>725</td>
<td></td>
<td></td>
</tr>
<tr>
<td>David J Winer</td>
<td>353</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paula Wu</td>
<td>531</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Qi (Jade) Wu</td>
<td>532</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jacqueline A Wulu</td>
<td>672</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Likun Xi</td>
<td>673</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xinran (Maria) Xiang</td>
<td>228</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zifan Xiang</td>
<td>482</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conway Xu</td>
<td>354</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tim Xu</td>
<td>533</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xuxinye Xu</td>
<td>313</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sandra C Yan</td>
<td>587</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amy S Yang</td>
<td>461</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annie D Yang</td>
<td>483</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brian E Yang</td>
<td>229</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charlotte L Yang</td>
<td>588</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jaclyn Yang</td>
<td>98</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jessica J Yang</td>
<td>314</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melissa Yang</td>
<td>315</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sarah H Yang</td>
<td>589</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amanda Yates</td>
<td>230</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ping T Yeh</td>
<td>674</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Darianee Yongpradit</td>
<td>73</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stephen L Yu</td>
<td>625</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lewis W Yuan</td>
<td>231</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nadia Yusuf</td>
<td>590</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mileydis Zambrana</td>
<td>316</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Betsir G Zemen</td>
<td>675</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dawen Zhang</td>
<td>74</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ellen G Zhang</td>
<td>232</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grace Y Zhang</td>
<td>534</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael Y Zhang</td>
<td>75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xuemin Zhang</td>
<td>233</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boyang Zhao</td>
<td>317</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jennifer Q Zhao</td>
<td>484</td>
<td></td>
<td></td>
</tr>
<tr>
<td>yumeng zhao</td>
<td>726</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anqi Zheng</td>
<td>407</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cindy Y Zhou</td>
<td>355</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deanna Zhu</td>
<td>98</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xinyi Zhu</td>
<td>485</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amanda C Zirzow</td>
<td>486</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sean M Zohorsky</td>
<td>626</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regina M Zolbrod</td>
<td>577</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regina M Zolbrod</td>
<td>591</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regina M Zolbrod</td>
<td>592</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrew H Zureick</td>
<td>281</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sarah M Zweifach</td>
<td>404</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INDEX OF EDUCATIONAL INSTITUTIONS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abbington Senior High School</td>
<td>210</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Saints Cathedral School</td>
<td>126</td>
<td></td>
<td></td>
</tr>
<tr>
<td>American University</td>
<td>88, 609</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amherst College</td>
<td>102</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appalachian State University</td>
<td>716</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arizona State University</td>
<td>478</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Atholton High School</td>
<td>610, 666</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Augustana College</td>
<td>441</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baldwin-Wallace College</td>
<td>54</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barnard College</td>
<td>185</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bates College</td>
<td>548, 633</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bethesda-Chevy Chase High School</td>
<td>237, 242, 296, 500, 629, 676</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boston College</td>
<td>243, 258, 703</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boston University</td>
<td>9, 495, 705</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bowie High School</td>
<td>617</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brandeis University</td>
<td>195</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Briar Woods High School</td>
<td>59</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brigham Young University</td>
<td>656</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brown University</td>
<td>125, 344, 353, 397, 404, 544</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bryn Mawr College</td>
<td>538</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bucknell University</td>
<td>147</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bullis School</td>
<td>162, 301</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C.D. Hylton High School</td>
<td>212</td>
<td></td>
<td></td>
</tr>
<tr>
<td>California State University</td>
<td>651</td>
<td></td>
<td></td>
</tr>
<tr>
<td>California Institute of Technology</td>
<td>448</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canyon Crest Academy</td>
<td>467</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carleton College</td>
<td>22, 283</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carnegie Mellon University</td>
<td>19, 168, 581</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Case Western Reserve University</td>
<td>231, 378, 431, 709</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Catawba College</td>
<td>583</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Catholic University of America</td>
<td>149, 319, 577, 591, 592</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Centennial High School</td>
<td>129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chaminade College Preparatory High School</td>
<td>351</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Charles E. Smith Jewish Day School</td>
<td>28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cherry Hill High School East</td>
<td>191</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choate Rosemary Hall</td>
<td>164</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Claremont McKenna College</td>
<td>240</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clarksburg High School</td>
<td>218</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clemson University</td>
<td>691</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colegio Luterano Resurreccion Inc.</td>
<td>524</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colgate University</td>
<td>117</td>
<td></td>
<td></td>
</tr>
<tr>
<td>College of Charleston</td>
<td>348, 488</td>
<td></td>
<td></td>
</tr>
<tr>
<td>College of New Jersey</td>
<td>496, 635</td>
<td></td>
<td></td>
</tr>
<tr>
<td>College of the Holy Cross</td>
<td>392</td>
<td></td>
<td></td>
</tr>
<tr>
<td>College of William and Mary</td>
<td>38, 47, 502, 628, 636</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colonel Zadok Magruder High School</td>
<td>29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University</td>
<td>PageNumbers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------------------------------------------</td>
<td>-------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colorado College</td>
<td>519, 522</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colorado State University</td>
<td>300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Columbia University</td>
<td>135, 177, 507, 689</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cornell University</td>
<td>1, 94, 207, 268, 269, 387, 532, 600, 621, 655, 717</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dartmouth College</td>
<td>223, 281, 375, 490</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DePaul University</td>
<td>671</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DePauw University</td>
<td>457</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dickinson College</td>
<td>127, 586</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drexel University</td>
<td>672</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Duke University</td>
<td>175, 206, 290, 295, 357, 435, 487, 528, 584, 673</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dulaney High School</td>
<td>611, 620</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eastern Mennonite University</td>
<td>567</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eastern Virginia Medical School</td>
<td>694</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ecole Normale Superieure de Lyon</td>
<td>325</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Edina High School</td>
<td>433</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eleanor Roosevelt High School</td>
<td>132, 165, 299, 631</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emory University</td>
<td>27, 69, 79, 136, 329, 449, 458, 565</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fairfax High School</td>
<td>174</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fairfield University</td>
<td>474</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fayetteville State University</td>
<td>112</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Florida Gulf Coast University</td>
<td>83</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Florida International University</td>
<td>349, 605, 614, 727</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Florida Southern College</td>
<td>552</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Florida State University</td>
<td>364</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forest Oak Middle School</td>
<td>385</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Franklin and Marshall College</td>
<td>417, 668</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freehold High School</td>
<td>278</td>
<td></td>
<td></td>
</tr>
<tr>
<td>French International School</td>
<td>371</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gaithersburg High School</td>
<td>401, 442, 461</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gallaudet University</td>
<td>341</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gannon University</td>
<td>572</td>
<td></td>
<td></td>
</tr>
<tr>
<td>George C. Marshall High School</td>
<td>595</td>
<td></td>
<td></td>
</tr>
<tr>
<td>George Mason University</td>
<td>486</td>
<td></td>
<td></td>
</tr>
<tr>
<td>George Washington University</td>
<td>10, 170, 276, 362, 451</td>
<td></td>
<td></td>
</tr>
<tr>
<td>George Washington University School of Medicine</td>
<td>105</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Georgetown Day School</td>
<td>31</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Georgetown University</td>
<td>12, 257, 271, 333</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Georgetown University School of Medicine</td>
<td>85, 146, 700, 713</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Georgia Institute of Technology</td>
<td>547</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Georgia State University</td>
<td>209</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gonzaga College High School</td>
<td>517</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Goucher College</td>
<td>383</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Governor Thomas Johnson High School</td>
<td>160</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grinnell College</td>
<td>506</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hagerstown Community College</td>
<td>480</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hamilton College</td>
<td>599</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hampton University</td>
<td>682</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institution</td>
<td>Page Numbers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>--------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harvard School of Public Health</td>
<td>65</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harvard University</td>
<td>181, 360, 561, 616</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HB Woodlawn</td>
<td>510</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Holmdel High School</td>
<td>98</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Holton-Arms School</td>
<td>555</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hood College</td>
<td>155</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horry-Georgetown Technical</td>
<td>230</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Howard University</td>
<td>110, 113, 121, 131, 326, 420, 481</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Howard University College of Medicine</td>
<td>386, 590, 698, 708</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Idaho State University</td>
<td>562</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Illinois Mathematics and Science Academy</td>
<td>391</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immaculate Conception Academy</td>
<td>287</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interamerican University of Puerto Rico</td>
<td>634</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irvine Valley College</td>
<td>286</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jackson State University</td>
<td>91, 173, 304</td>
<td></td>
<td></td>
</tr>
<tr>
<td>James Madison University</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jericho High School</td>
<td>530</td>
<td></td>
<td></td>
</tr>
<tr>
<td>John F. Kennedy High School</td>
<td>57</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Johns Hopkins School of Public Health</td>
<td>248</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Johns Hopkins University</td>
<td>33, 42, 193, 225, 244, 273, 331, 373, 374, 477, 612, 646, 663, 704</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kalamazoo College</td>
<td>570</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kamehameha High School</td>
<td>308, 670</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lake Brantley High School</td>
<td>145</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lake-Sumter Community College</td>
<td>140</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landon School</td>
<td>159</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leonardtown High School</td>
<td>575</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long Reach High School</td>
<td>648</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loyola University Chicago</td>
<td>399</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loyola University Maryland</td>
<td>60</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lynchburg College</td>
<td>615</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Madeira School</td>
<td>645</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maret School</td>
<td>50, 109, 438</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marquette University</td>
<td>551</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Massachusetts Institute of Technology</td>
<td>205, 447, 468, 472, 588</td>
<td></td>
<td></td>
</tr>
<tr>
<td>McGill University</td>
<td>163, 409, 497, 514, 604</td>
<td></td>
<td></td>
</tr>
<tr>
<td>McLean High School</td>
<td>98, 483</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melvin J. Berman Hebrew Academy</td>
<td>68, 711</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Messiah College</td>
<td>456</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michigan State University</td>
<td>252, 459</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Middlebury College</td>
<td>123</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Milton Academy</td>
<td>533</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Molloy College</td>
<td>719</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monroe Township High School</td>
<td>190</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Montclair State University</td>
<td>649</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Montgomery College</td>
<td>250, 307, 390, 421, 658</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institution</td>
<td>Code</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------------------------------------</td>
<td>------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Morehouse College</td>
<td>338</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mount St. Mary's College</td>
<td>66</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New College of Florida</td>
<td>76</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Mexico State University</td>
<td>714</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New York Institute of Technology</td>
<td>579</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New York Medical College</td>
<td>219</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New York University</td>
<td>470</td>
<td></td>
<td></td>
</tr>
<tr>
<td>North Carolina Agricultural and Technical State University</td>
<td>586, 725</td>
<td></td>
<td></td>
</tr>
<tr>
<td>North Carolina Central University</td>
<td>352</td>
<td></td>
<td></td>
</tr>
<tr>
<td>North Carolina State University</td>
<td>559</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Northeastern Ohio Universities College of Medicine</td>
<td>265</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Northeastern University</td>
<td>90</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Northern Virginia Community College</td>
<td>20, 21, 267, 322, 406, 641</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Northwest High School</td>
<td>52</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Northwest Vista College</td>
<td>262</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Northwestern University</td>
<td>176, 312, 370, 437, 627, 710</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nova Southeastern University</td>
<td>511</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oakton High School</td>
<td>61</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oberlin College</td>
<td>89</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ohio State University</td>
<td>63, 118</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ohio University</td>
<td>241, 498</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oregon State University</td>
<td>284, 608</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paint Branch High School</td>
<td>539</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Palo Alto Senior High School</td>
<td>415</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patapsco High and Center for the Arts</td>
<td>647</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Payton High School</td>
<td>489</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pennsylvania State University</td>
<td>46, 82</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phillips Academy at Andover</td>
<td>644, 665</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plano East Senior High School</td>
<td>36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polytechnic High School</td>
<td>368</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poolesville High School</td>
<td>14, 40, 138, 260, 355, 382, 403, 501, 534</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Portland State University</td>
<td>169, 569</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prince George's Community College</td>
<td>77, 81, 453</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Princeton University</td>
<td>67, 172, 285, 393, 410, 512, 585, 632</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Punahou School</td>
<td>80</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quince Orchard High School</td>
<td>439</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rensselaer Polytechnic Institute</td>
<td>275, 680</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rice University</td>
<td>171, 674</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Richard Montgomery High School</td>
<td>196, 249, 305, 309, 314, 315, 407, 683</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robert Wood Johnson Medical School</td>
<td>697</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Russellville High School</td>
<td>593</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rutgers University</td>
<td>221</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saint Andrew's School</td>
<td>661</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saint Louis University</td>
<td>45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Salisbury University</td>
<td>594</td>
<td></td>
<td></td>
</tr>
<tr>
<td>San Diego State University</td>
<td>463</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sandhills Community College</td>
<td>602</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Santa Monica College</td>
<td>564</td>
<td></td>
<td></td>
</tr>
<tr>
<td>School Name</td>
<td>Page Numbers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------------------------------------------</td>
<td>--------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scripps College</td>
<td>450</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sherwood High School</td>
<td>24, 128, 298, 388</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sidwell Friends School</td>
<td>41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skidmore College</td>
<td>550</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smith College</td>
<td>556</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Southern Illinois University School of Medicine</td>
<td>721</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spelman College</td>
<td>718</td>
<td></td>
<td></td>
</tr>
<tr>
<td>St. Albans School</td>
<td>108</td>
<td></td>
<td></td>
</tr>
<tr>
<td>St. Andrew's Episcopal School</td>
<td>48</td>
<td></td>
<td></td>
</tr>
<tr>
<td>St. Anselm's Abbey School</td>
<td>400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>St. Croix Educational Complex</td>
<td>653</td>
<td></td>
<td></td>
</tr>
<tr>
<td>St. George's School</td>
<td>396</td>
<td></td>
<td></td>
</tr>
<tr>
<td>St. Mary's College of Maryland</td>
<td>111, 189, 255, 693</td>
<td></td>
<td></td>
</tr>
<tr>
<td>St. Olaf College</td>
<td>72, 366</td>
<td></td>
<td></td>
</tr>
<tr>
<td>St. Marks School</td>
<td>153</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stanford University</td>
<td>95, 637</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sterling High School</td>
<td>664</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stetson University</td>
<td>323</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stone Bridge High School</td>
<td>150</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stuart Country Day School of the Sacred Heart</td>
<td>537</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suffield Academy</td>
<td>667</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUNY Binghamton</td>
<td>291</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swarthmore College</td>
<td>134, 330, 543</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temple University School of Pharmacy</td>
<td>166</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Texas Women's University</td>
<td>216</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Bryn Mawr School</td>
<td>526</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The George Washington University</td>
<td>251, 342, 540</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Hotchkiss School</td>
<td>520</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Hun School of Princeton</td>
<td>669</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Pingry School</td>
<td>367</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Preuss School UCSD</td>
<td>659</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thomas Jefferson High School for Science and Technology</td>
<td>32, 70, 98, 151, 280, 398, 424, 434, 446, 461, 484, 558, 613</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thomas S. Wootton High School</td>
<td>5, 30, 93, 201, 247, 311, 313, 321, 428, 432, 482, 485</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Touro College of Osteopathic Medicine</td>
<td>200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Towson High School</td>
<td>666</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Towson University</td>
<td>187, 471, 603, 652, 679, 712</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trinity University</td>
<td>133</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trinity Washington University</td>
<td>279</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tufts University</td>
<td>17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tulane University</td>
<td>53, 498</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tulane University School of Public Health and Tropical Medicine</td>
<td>254</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuscarora High School</td>
<td>106</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuskegee University</td>
<td>411</td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States Naval Academy</td>
<td>554</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Mary Washington</td>
<td>114</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Universidad del Este</td>
<td>523</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institution</td>
<td>Page Numbers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------------</td>
<td>--------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Universidad Metropolitana</td>
<td>256, 422</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University College Cork</td>
<td>418</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University College Dublin</td>
<td>297</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Arizona</td>
<td>692</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of California, Berkeley</td>
<td>148, 253, 310, 405, 469</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of California, Irvine</td>
<td>139</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of California, Los Angeles</td>
<td>34, 104, 197, 214, 531</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of California, Riverside</td>
<td>73</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of California, Santa Barbara</td>
<td>546</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of California: San Diego</td>
<td>182</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Central Florida</td>
<td>618</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Chicago</td>
<td>84, 601</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Colorado</td>
<td>509, 560</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Colorado Denver</td>
<td>566</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Connecticut</td>
<td>395, 427</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Connecticut School of Dental Medicine</td>
<td>440</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Dallas</td>
<td>626</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Delaware</td>
<td>282</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Florida</td>
<td>15, 454, 549, 596, 623</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Georgia</td>
<td>183</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Hawaii at Manoa</td>
<td>413</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Idaho</td>
<td>479</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Illinois</td>
<td>677</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Illinois at Urbana-Champaign</td>
<td>16, 74, 208, 384</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Iowa</td>
<td>203</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Kentucky</td>
<td>619</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Louisiana at Lafayette</td>
<td>408</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Maryland Eastern Shore</td>
<td>650</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Maryland School of Medicine</td>
<td>345</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Maryland, Baltimore County</td>
<td>443</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Maryland, Baltimore County</td>
<td>8, 96, 220, 224, 245, 264, 272, 277, 350, 491, 494, 504, 675</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Maryland, Eastern Shore</td>
<td>115, 246, 597</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Miami</td>
<td>266, 316</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Miami Miller School of Medicine</td>
<td>87</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Michigan</td>
<td>49, 51, 98, 228, 236, 317, 547, 563, 582</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Michigan Medical School</td>
<td>419, 525</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Michigan-Flint</td>
<td>402</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Minnesota</td>
<td>103, 292</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Missouri</td>
<td>346</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Montana</td>
<td>234</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of New Mexico</td>
<td>35, 227, 622</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University Name</td>
<td>Page Numbers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------------------------------------</td>
<td>--------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of North Carolina</td>
<td>475</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of North Carolina - Chapel Hill</td>
<td>707, 723</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of North Carolina at Chapel Hill</td>
<td>202, 678, 706</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of North Carolina at Wilmington</td>
<td>536</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of North Texas</td>
<td>161, 598, 607</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Pennsylvania</td>
<td>26, 142, 184, 289, 343, 389, 414, 430, 445, 527, 624, 681, 684</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Pittsburgh</td>
<td>336, 444, 553, 593</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Portland</td>
<td>39</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Puerto Rico</td>
<td>455</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Puerto Rico at Bayamon</td>
<td>213</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Puerto Rico in Ponce</td>
<td>466</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Puerto Rico Mayagüez Campus</td>
<td>476</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Richmond</td>
<td>518</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Rochester</td>
<td>274, 303, 452, 657, 690</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of San Francisco</td>
<td>429</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of South Carolina</td>
<td>545</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of South Florida</td>
<td>688</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Southern California</td>
<td>339</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Tampa</td>
<td>695</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Texas at Arlington</td>
<td>699</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Texas at Austin</td>
<td>211, 580, 643</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Texas at Dallas</td>
<td>576</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Texas Permian Basin</td>
<td>358</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Utah</td>
<td>64</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Vermont</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Virginia</td>
<td>43, 92, 152, 293, 294, 492, 493, 499, 606</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Virginia School of Medicine</td>
<td>715</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Washington</td>
<td>62, 107, 238, 302, 416</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Wisconsin-Madison</td>
<td>642</td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Wyoming</td>
<td>412</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Urbana High School</td>
<td>157, 639</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vanderbilt University</td>
<td>204, 533, 568</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vestavia Hills High School</td>
<td>574</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Virginia Commonwealth University</td>
<td>199, 577, 578, 592, 654</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Virginia Polytechnic Institute and State University</td>
<td>167</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Virginia Tech</td>
<td>198, 259, 261, 462</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wake Forest University</td>
<td>306, 541, 701</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Walt Whitman High School</td>
<td>37, 71, 288</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Walter Johnson High School</td>
<td>2, 324, 542</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Washington Lee High School</td>
<td>11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Washington University in St. Louis</td>
<td>327, 335, 394, 460</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wayne State University</td>
<td>78</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wellesley College</td>
<td>515</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wesleyan University</td>
<td>58, 143, 504</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western University of Health Sciences</td>
<td>702</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wheaton College</td>
<td>436</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wichita State University</td>
<td>473</td>
<td></td>
<td></td>
</tr>
<tr>
<td>School Name</td>
<td>Page Numbers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>--------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wilde Lake High School</td>
<td>188</td>
<td></td>
<td></td>
</tr>
<tr>
<td>William Fremd High School</td>
<td>98</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Williams College</td>
<td>235, 239, 529</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Woodrow Wilson High School</td>
<td>377</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wright State University</td>
<td>178</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yale University</td>
<td>44, 119, 156, 508</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yeshiva of Greater Washington</td>
<td>423</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yeshiva University</td>
<td>137</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yorktown High School</td>
<td>334</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>