



AUGUST 6
2009

**NIH SUMMER
RESEARCH PROGRAM
POSTER DAY**



- **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.

Natcher Conference Center (Building 45)
Bethesda, MD

Table of Contents

Poster Numbers

■	Center for Biologics Evaluation and Research, FDA (CBER-OBRR-DETTD)	1 - 3
■	Center for Biologics Evaluation and Research, FDA (CBER-OBRR-DH)	4 - 8
■	Center for Biologics Evaluation and Research, FDA (CBER-OCTGT-DCGT)	9 - 12
■	Center for Biologics Evaluation and Research, FDA (CBER-OVRR-DVP)	13 - 14
■	Center for Drug Evaluation and Research, FDA (CDER)	15 – 16
○	Center for Information Technology	17
○	Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)	18 - 79
○	National Cancer Institute Center for Cancer Research (NCI-CCR)	80 - 248
○	National Cancer Institute Division of Cancer Control and Population Sciences (NCI-DCCPS)	249
○	National Cancer Institute Division of Cancer Epidemiology and Genetics (NCI-DCEG)	250 – 274
○	National Cancer Institute Division of Cancer Prevention and Control (NCI-DCPC)	275
□	National Center for Complementary and Alternative Medicine (NCCAM)	276 - 278
□	National Eye Institute (NEI)	279 - 293
■	National Heart, Lung, and Blood Institute (NHLBI)	294 - 335
■	National Human Genome Research Institute (NHGRI)	336 - 369
■	National Institute of Allergy and Infectious Diseases (NIAID)	370 - 404
■	National Institute of Allergy and Infectious Diseases – Vaccine Research Center (NIAID-VRC)	405 - 409
■	National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)	410 - 424
□	National Institute of Biomedical Imaging and Bioengineering (NIBIB)	425 - 433
□	National Institute of Dental and Craniofacial Research (NIDCR)	434 - 446
■	National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)	447 - 485
○	National Institute of Environmental Health Sciences (NIEHS)	486
□	National Institute of Mental Health (NIMH)	487 - 534
□	National Institute of Neurological Disorders and Stroke (NINDS)	535 - 591
□	National Institute of Nursing Research (NINR)	592 - 596
□	National Institute on Aging (NIA)	597 - 638
□	National Institute on Alcohol Abuse and Alcoholism (NIAAA)	639 - 654
□	National Institute on Deafness and Other Communication Disorders (NIDCD)	655 - 661
□	National Institute on Drug Abuse (NIDA)	662 - 703
□	National Library of Medicine – National Center for Biotechnology Information (NLM-NCBI)	704-706
■	NIH Clinical Center (CC)	707 - 778

Index of Participants

Index of Educational Institutions of Participants

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

1. Sumedh Ambardar

Expression of the 27kDa Component of the Trypanosoma brucei Cytochrome C Oxidase Complex

Langley High School

Hometown: Great Falls, VA

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Laboratory of Bacterial, Parasitological and Unconventional Agents

2. Diana L Jeang

Analysis of RNA Nuclear Export Targeting of HIV Encapsidation

Montgomery Blair High School

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Dr. Andrew I. Dayton, Preceptor

Laboratory of Molecular Virology

3. Amritanshu Joshi

Characterization of Leishmania donovani Argininosuccinate Synthase

Walter Johnson High School

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4. Evan W Jong

Preparation and Characterization of alpha-1 Proteinase Inhibitor Polymers for Atomic Force Microscopy

University of Maryland

Hometown: Rockville, MD

Dr. Ewa Marszal,

Dr. Martha C. Anderson, Preceptors

Laboratory of Plasma Derivatives

5. Dominique T Monteil

Optimization of Fluorogenic Thrombin Generation Assay

University of Maryland, Baltimore County

Hometown: Sykesville, MD

Dr. Mikhail V. Ovanesov, Preceptor

Laboratory of Hemostasis

6. Sonia D Silinsky Krupnikova

Molecular Characterization of C1 Esterase Inhibitor Using Matrix-assisted Laser Desorption Ionization Mass Spectrometry

Walter Johnson High School

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Dr. Elena Karnaukhova, Preceptor

Laboratory of Biochemistry and Vascular Biology

7. Christine E Stuart

Development of an ELISA Assay to Detect Antibodies to Alpha-1-Proteinase Inhibitor

Boston University

Hometown: Chevy Chase, MD

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8. Samuel A Woodle

Regulation of Blood Clotting in vitro by Factor VII

Vassar College

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In vitro Interleukin-13 Receptor alpha2 chain Regulation in Human Head and Neck Cancer by Hyperthermia

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Dr. Syed R. Husain,

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10. Alex Jankovic

The Natural History of NZB Splenomegaly

Saint Anselm's Abbey School

Hometown: Kensington, MD

Dr. Gerald Marti, Preceptor

Laboratory of Immunology and Developmental Biology

11. Chelsea Mehra

Longitudinal Morphometric Image Analysis in Chronic Lymphocyte Leukemia (CLL)

Milton Academy

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Cellular and Tissue Therapy Branch

12. Neil I Sood

Differentiation of the Stem Cell-like Embryonal Carcinoma NT2 Cell Line into hNT Neurons: Product Characterization

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Dr. Jennifer Catalano, Preceptor

Laboratory of Molecular Tumor Biology

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

13. Susan Grossman

Optimizing Conditions for Universal Viral Detection Using Degenerate Primers

Thomas S. Wootton High School

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Dr. Philip Krause,

Dr. Christine Uhlenhaut, Preceptors

Laboratory of DNA Viruses

14. Rubbel Kumar

Universal Virus Detection Using Optimized PCR Conditions

John F. Kennedy High School

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Ms. Shasta McClenahan, Preceptors

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15. Nicholas M Burton

Requirements for Annexin A2 Signaling in Macrophages

St. Albans School

Hometown: Ashburn, VA

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Division of Monoclonal Antibodies Immediate Office-Laboratory of Molecular & Developmental Immunology

16. Kevin W Tosh

Characterization of the Type I IFN Mediated Response Elicited by TLR 9 Agonists Type C and D

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Division of Therapeutic Proteins Immediate Office-Laboratory of Immunology

Center for Information Technology (CIT)

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BioKEN: Free Text Biomedical Knowledge Extraction Tool

University of Illinois
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Division of Computational Bioscience

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18. Brent S Abel

ACTH-Stimulated Aldosterone Values in Healthy Patients Compared to Patients with Adrenal Insufficiency

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19. Monica Ajinkya

The Role of the Secretory Pathway in the Degradation of Misfolded GPI-anchored Proteins

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20. Redab O Alnifaidy

Indian Hedgehog Expression in the Endometrium of Women with Endometriosis

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21. Allison L Arai

Probing Germline Chromatin Structure Using Transposon Homing in Drosophila

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22. Deirdre K Banel

Risk of Hypertension after Gestational Diabetes

Harvard School of Public Health
Hometown: ROCKVILLE, MD
Dr. Cuilin Zhang, Preceptor
Division of Epidemiology, Statistics and Prevention Research

23. Ethan R Bornstein

Characterization of C-KIT Expression in the Presence or Absence of PDE11A Mutations
University of Michigan
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Dr. Constantine Stratakis, Preceptor
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24. Aaron D Catlin

Tools for Analysis of Mass Spectra and their
University Of Maryland
Hometown: Clarksville, MD
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Unit on Biologic Computation (UBC)

25. Amanda H Chan

Hippocampal Development: The SEGA of Sonic Hedgehog and Gli1
University of California, Berkeley
Hometown: Bethesda, MD
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Laboratory of Mammalian Genes and Development

26. Meng-Yang Chen

Expression, Extraction, and Purification of Recombinant Human Hexokinase II: A Principal Player in Cancer Metabolism
Duke University
Hometown: Ashburn, VA
Mr. Kely Sheldon,
Dr. Tatiana Rostovtseva, Preceptors
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27. Crystal S Chiang

Neurophysiological and Behavioral Analysis of the Development of Olfaction in Schistocerca americana
Winston Churchill High School
Hometown: Potomac, MD
Dr. Mark A. Stopfer, Preceptor
Laboratory of Cellular and Synaptic Neurophysiology

28. Michael J Curry

Exploring Possible Structural Differences between Normal Adult Male and Female Brains Using Diffusion Tensor MRI (DTI) Data
Suncoast Community High School
Hometown: North Palm Beach, FL
Dr. Peter J. Basser, Preceptor
Laboratory of Integrative and Medical Biophysics

29. Christina Danko, Lauren A Demers

The Influence of Postpartum Depression and History of Sexual Abuse on Maternal Behavior during Mother-infant Interactions

DePaul University
Bates College
Hometown: Arlington, VA
Bethesda, MD
Dr. Nanmathi Manian,
Dr. Marc Bornstein, Preceptors
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30. Angel d Davalos

Identifying Influential Observations in the Intraclass Correlation Coefficient

University of Texas at El Paso
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31. Kathleen Engeln, Molly Turnquist

Diet and Oxidative Stress in Reproductive Age Women

University of Washington
Concordia College
Hometown: Greenacres, WA
Braham, MN
Dr. Denise Haynie,
Dr. Alisha Rovner, Preceptors
Prevention Research (PR) Branch

32. Michael Flock

*Association between Weight Status and Weight Control Behaviors of US Adolescents:
Variations by Body Image*

University of Dayton
Hometown: Sidney, OH
Dr. Denise Haynie, Preceptor
Division of Epidemiology, Statistics and Prevention Research

33. Petar V Georgiev

*Exploring the Possibility of Tubulin as a Regulator of Cellular Respiration through the
Obstruction of Mitochondrial Membrane Proteins*

Richard Montgomery High School
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34. Henry D Geria

*Nanotopography of Different Carbon Nanotube Agglomerates in Physiological
Conditions*

Georgetown Day School
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35. Alma C Gonzalez

Inclusion of Men in Clinical Trials: Do Interventions Pose More Than Minimal Risk and Should Men Use Contraception?

University of Maryland

Hometown: Bethesda, MD

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Program in Reproductive and Adult Endocrinology

36. Nora S Habboosh

Creating an ex vivo System of Tumorigenesis

Choate Rosemary Hall

Hometown: Hamden, CT

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37. Arezu Haghighi

Mechanism of A2E Uptake in Cultured Human Retinal Pigment Epithelial Cells: Applications to Age-Related Macular Degeneration

University of California, Berkeley

Hometown: Bakersfield, CA

Dr. Robert F. Bonner,

Dr. Dan L. Sackett, Preceptors

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38. Alesha N Harris

Moving Through a Crowded Room: A Protein's Journey in Complex Solutions

University of North Texas

Hometown: Desoto, TX

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Laboratory of Molecular Growth Regulation

39. Courtney Hilts

Preterm Birth in African-American Women: 1990-2006

Drexel University School of Public Health

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40. Eileen Hu-Wang

Identifying Tissue-specific Direct Response Genes of Thyroid Hormone in Developing

Xenopus laevis Tadpole

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Localizing Embedded Fluorophores in Turbid Media
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42. Paul Johnson

Somatic Mosaicism for P1001L in the ATP7A Copper Transporter Influences Biochemical but Not Clinical Phenotype
Meharry Medical College
Hometown: Nashville, TN
Dr. Stephen Kaler, Preceptor
Molecular Medicine Program

43. Oscar Juarez-Ramos

A System to Study How the Vpu Protein from HIV Works
Benedictine University
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Cell Biology and Metabolism Program

44. Daniel R Knipmeyer

Sub-resolution Fluorescence Photo Activated Light Microscopy
University of Illinois at Urbana-Champaign
Hometown: Beardstown, IL
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45. Ariel A Leonard

Effects of Environmental Conditions on Clathrin Polymerization
Washington University in St. Louis
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46. Tiffany A Lin

Target Identification for the OxyS sRNA in Escherichia coli
Walter Johnson High School
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47. Rosemary Lu

Characterization of Protein Arginine Methyltransferase 1 during Intestinal Stem Cell Development

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48. Xiaoyu Lu

Progesterone Receptor (PR) Isoforms, PR-A and PR-B, in Uterine Leiomyomata from Women Receiving the Antiprogesterin CDB-2914 or Placebo
Washington University in St. Louis
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49. Robert M MacGregor

Mechanisms by Which Glucocorticoids Affect CRH Transcription
University of Virginia
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50. Jason D MacManiman

T3-Dependent Genes Are Disrupted by Bisphenol-A during Post-Embryonic Vertebrate Development
Portland State University
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51. Kathleen A Martin

Mapping Mutations that Affect Lateral Line Development in Zebrafish
Loudoun County Public Schools Academy of Science
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52. Ashley McFarland

A Multiparametric Analysis of Sratum Lucidum Interneuron Diversity within the Developing Hippocampus
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53. Rudy A Moures

The Role of the Endocytic Pathway in Neurodegenerative Diseases
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54. Angeline M Nguyen

Dissecting the Role of RNH2 at Different Stages in the Cell Cycle

Southern Methodist University

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55. Tam D Nguyen

Inclusion of Minors of Childbearing Potential in Clinical Trials - Issues related to Pregnancy Testing and Contraception

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Modeling Digit Preference in Pregnancy Dating

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57. Uzoamaka Okunji

AKAP 13 (BRX) Is Required for Cardiovascular Function and Proper Heart Development in Mice

Paint Branch High School

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58. Neelima Panth

Remote Control of Behavior by Light Activation of Channels in Zebrafish

Thomas Jefferson High School for Science and Technology

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59. Christopher A Papanicolas

Depth Dependence of the Osmotic Properties of Cartilage

University of Maryland

Hometown: Bethesda, MD

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60. Pankit J Patel

Conserved Regulatory Elements of the Pineal Gland
Emory University
Hometown: Stone Mountain, GA
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61. Gabriel Peal

Quantitative Imaging of Signaling and Cell Fate Specification in Drosophila Embryos
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62. Sharon V Perrone

Variable Expression of Potential Z-DNA-regulated Genes in Dendritic Cell Differentiation
Dickinson College
Hometown: Mount Laurel, NJ
Dr. Bruce H. Howard, Preceptor
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63. Marisa D Pinchas, Kevin J Eng

Social Influences and Attitudes toward Exercise in Children at High Risk for Adult Obesity
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University of California, Riverside
Hometown: Darnestown, MD
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64. Sergei A Pourmal

Membrane Fusion in Dengue Virus Infection
Wesleyan University
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65. Swetha Rao

Modeling the Dynamic Interactions that Lead to the Self-organization of the Lateral Line system in Danio rerio
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66. Denise Rockwell

SNP Identification in Mutant Strain of S. pombe

George Washington University
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67. Kristen K Rosano

Screening for Predisposing Genetic Variations in BCL11A in CNC Patients Who Are Negative for Mutations in PRKAR1A
Montgomery Blair High School
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68. Jonelle K Samuel

Long-term Transdermal Testosterone (150mcg/day) Replacement Increases Insulin Sensitivity in Young Women with Primary Ovarian Insufficiency (POI): 3 year Randomized Controlled Clinical Trial
Morgan State University
Hometown: Riverdale, MD
Dr. Lawrence Nelson,
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69. Melissa Sandoval

Characterization of Novel Small Regulatory RNAs in E. coli
University of California, San Diego
Hometown: San Diego, CA
Dr. Gisela Storz,
Dr. Lauren S. Waters, Preceptors
Cell Biology and Metabolism Program

70. Karen C Schliep

Caffeine, Coffee, Tea and Soda Intake in Relation to Menstrual Cycle Function
University of Utah
Hometown: Rockville, MD
Dr. Enrique Schisterman, Preceptor
Division of Epidemiology, Statistics and Prevention Research

71. Laura Sirbu

Identifying Genes that Trigger and Regulate the Development of the Vascular System
Montgomery Blair High School
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72. Cheng R Sun

Analysis of Thyroid Hormone Receptors during Mouse Intestinal Development
Northwest High School
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73. Annie Tang

Ultra High Throughput Sequencing of Transposon Inserts: A Powerful Technique for Genome-wide Mapping

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74. David G Thomas

Understanding the Role of Phosphorylation in DNA Packaging

Princeton High School
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75. Eli R Thompson

Localization of ATP Synthase in Pheochromocytoma and Paraganglioma

University of California, Berkeley
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76. Alisa Tiwari

Genetic Screens of Zebrafish

Sidwell Friends School
Hometown: Chevy Chase, MD
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77. Christine H Wang, Stephanie Shapiro

Maternal Behavior during Mother-infant Interactions: The Influence of Maternal Depression, Maternal Personality, and Infant Temperament

Emory University
Marymount University
Hometown: Bethesda, MD
Bethesda, MD
Dr. Nanmathi Manian,
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78. Hanwen Xu

Role of SENP3 in Ribosome Biogenesis

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79. Emily C Zabor

Two Methodological Approaches to a Longitudinal Study of the Symptoms Associated with Bacterial Vaginosis

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Epidemiology (EPI) Branch

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

80. Olatunji Abimbola

Selenocysteine interface technology: Comparative binding studies of Fc-Sec-His/LLP2A-biotin and derivatives to integrins $\alpha 4\beta 1$, $\alpha 4\beta 7$, and $\alpha 9\beta 1$

Clark Atlanta University

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Dr. Christoph Rader, Preceptor

Experimental Transplantation and Immunology Branch

81. Omar O Abudayyeh

Gold Nanoparticles Bearing Tumor Associated Carbohydrate Antigens as a Cancer Vaccine Construct: Determination of their Antigen Coverage and Investigation of Cellular Uptake

Massachusetts Institute of Technology

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82. Rachel Acuna

A Role for Histone Acetylation in Saccharomyces cerevisiae Centromere Function

New Mexico State University

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Dr. Munira A. Basrai, Preceptor

Genetics Branch

83. Omair Akhtar

Correlation of CD44 Promoter Methylation with Prostate Cancer Progression

Southern Polytechnic State University

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Dr. Michael Emmert-Buck,

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84. Elfalem Y Alemu

The Effect of the Absence of HU on S7 Expression through Mutational Analysis in Escherichia coli

Montgomery Blair High School

Hometown: Silver Spring, MD
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Laboratory of Molecular Biology

85. Ryan J Amundsen

An Intelligent Framework For Segmentation and Selection of Nuclei From Tissue Sections

University of Michigan
Hometown: Kentwood, MI
Dr. Stephen J. Lockett,
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Basic Research Laboratory-Frederick

86. Crystal N Asamoah-Nkansah

Isolation of centrosome-associated, Polo-Box Domain-building proteins.

University of North Texas
Hometown: Mesquite, TX
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87. Afua F Asante

The effect of shCRKL and mTOR inhibitors on rhabdomyosarcoma cell proliferation

University of Georgia
Hometown: Lawrenceville, GA
Dr. Lee J. Helman,
Mr. Choh Yeung, Preceptors
Pediatric Oncology Branch

88. Taara A Avery

Dynamic Interactions of the Eleven Nineteen Lysine Rich Leukemia Protein (ELL) in the Mammalian Nucleus

Spelman College
Hometown: Washington, DC
Dr. Kevin L. Gardner, Preceptor
Laboratory of Receptor Biology and Gene Expression

89. Mariam N Awad

The effect of PC12 differentiation on CASZ1

South Lakes High School
Hometown: Chantilly, VA
Dr. Carol J. Thiele, Preceptor
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90. Bryce A Basques

Examining importin a1 - membrane interactions and their physiological relevance

University of Miami
Hometown: Great Falls, VA
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91. Allison M Batties

Identification of MMTV-Induced Insertional Mutation Sites by Non-Radioactive Probes

Lycoming College

Hometown: Royersford, PA

Dr. Karen Bussard, Preceptor

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92. Kevin O Belgrave

Expression of HER family in Lung, Gastric, and Pancreatic Cancer

Howard University

Hometown: Arlington, VA

Dr. Stephen M. Hewitt,

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Laboratory of Pathology

93. Tiasha Bera

Types of Symmetry in Protein Structures

Thomas S Wootton High School

Hometown: Gaithersburg, MD

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94. Katherine E Berger

In Vitro and In Vivo Characterization of A549 Tumor Cells Overexpressing TIMP-2

California State Polytechnic University, San Luis Obispo

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95. Susanna Blauch

Analysis of MET in Renal Cell Carcinoma

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96. Diego Borges-Rivera

Analysis of Variable Interactions Using Random Forest

Carnegie Mellon University

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97. Torrian L Brent

Wee1 Involvement in the Regulation of the Cell Cycle in Brain Tumor Stem Cells

Oxon Hill High School

Hometown: Clinton, MD

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98. Elisheba N Butts

RpoS Proteolysis Regulation: RssB Protein Interactions by the Bacterial Two-hybrid Method

Spelman College

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99. Andrea V Carnie

The Isolation of T regulatory and T conventional Cells and their Analysis Through CFSE Assay

Oberlin College

Hometown: Bethesda, MD

Dr. Samir Khleif,

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Vaccine Branch

100. Kristi R Chakrabarti

The role of the unfolded protein response in osteosarcoma cells treated with mTOR and proteasome inhibitors

University of Pennsylvania

Hometown: Silver Spring, MD

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Dr. Joseph Briggs, Preceptors

Pediatric Oncology Branch

101. Calvin C Chan

Formation of homodimers of Kaposi's sarcoma-associated herpesvirus ORF57 protein is mediated by its C-terminal domain.

University of Mary Washington

Hometown: McLean, VA

Dr. Zhi Ming Zheng,

Dr. Vladimir Majerciak, Preceptors

HIV and AIDS Malignancy Branch

102. Lucas M Chang

Pattern of DNA Methylation and Chromatin Structure during Transient Zebularine-Induced Reversal of Silencing

Cornell University

Hometown: Potomac, MD

Dr. Mirit Aladjem,

Dr. Liang Huang, Preceptors

Laboratory of Molecular Pharmacology

103. Kevin T Chen

Using Xenopus laevis egg extracts to examine the role of RNAs in mitotic spindle assembly.

Harvard College

Hometown: Fresno, CA
Dr. Petr Kalab, Preceptor
Laboratory of Cellular and Molecular Biology

104. Alan Cheng

What is Intramural?

Hoover Middle School
Hometown: Bethesda, MD
Dr. Michelle L. Bennett,
Dr. Andy Baxevanis, Preceptors
Basic Research Laboratory-Bethesda

105. Rohini Choudhuri

Effect of mammalian target of rapamycin (mTOR) inhibitor on tumor microvasculature and oxygen status

Winston Churchill High School
Hometown: Potomac, MD
Dr. Murali K. Cherukuri, Preceptor
Radiation Biology Branch

106. Suanur M Cureoglu

Comparing the biochemical and cellular outcomes of two different mTOR inhibitors in NSCLC cells

University of Minnesota
Hometown: Saint Paul, MN
Dr. Phillip A. Dennis, Preceptor
Medical Oncology Branch and Affiliates

107. Ricklie A Davis

EpCAM Expression and Localization in Hepatocellular Carcinoma

University of Florida
Hometown: Washington, DC
Dr. Xin W. Wang,
Dr. Marshonna J. Forgues, Preceptors
Laboratory of Human Carcinogenesis

108. Divya Dethier

Evaluation of the permissiveness of immunocompetent syngeneic murine tumor models for oncolytic adenoviral replication

Middlebury College
Hometown: Washington, DC
Dr. John C. Morris, Preceptor
Metabolism Branch

109. Shannon E Dier

NIH Gastrointestinal Stromal Tumor (GIST) Clinic: Psychosocial Characteristics and Considerations

University of North Texas
Hometown: North Richland Hills, TX
Dr. Lori Wiener, Preceptor

Pediatric Oncology Branch

110. Christina M DiFabio

Investigation of candidate modifier genes of malignant peripheral nerve sheath tumors.

Tuscarora High School

Hometown: Frederick, MD

Dr. Karlyne M. Reilly, Preceptor

Mouse Cancer Genetics Program

111. Stefania Dobre

The Effects of Doxorubicin on Immunity

University of Maryland

Hometown: Beltsville, MD

Dr. Crystal Mackall, Preceptor

Pediatric Oncology Branch

112. Osama M Elbuluk

Structure-Activity Relationship Study of the Carbohydrate Portion of the Antiproliferative Factor from Interstitial Cystitis Patients: Synthesis of a 4'-Fluoro-Galactose Derivative

University of Akron

Hometown: Richfield, OH

Dr. Joseph J. Barchi, Preceptor

Laboratory of Medicinal Chemistry

113. Ernesto L Enrique

Triple Negative Breast Cancer: Exploring Novel Therapies and the Role of the Tumor Microenvironment

San Diego State University

Hometown: Antioch, CA

Dr. Jeff E. Green,

Dr. Christina N. Bennett, Preceptors

Laboratory of Cancer Biology and Genetics

114. Candice S Espinoza

Effects of a Novel MicroRNA Inhibitor in Breast Cancer Cell Lines

San Juan College

Hometown: Farmington, NM

Dr. Nicole L. Simone, Preceptor

Radiation Oncology Branch

115. Jordan M Ficca

The Prefractionation of Crude Natural Product Extracts: Generation of an Enhanced Resource for High Throughput Screening Applications

Hood College

Hometown: Tamaqua, PA

Dr. Kirk Gustafson, Preceptor

Molecular Targets Development Program

116. Kelly M Folkers

Reactive oxygen species mediate enhancement of TGF-beta signaling by CLIC4

Denison University
Hometown: Garrett Park, MD
Dr. Stuart Yuspa,
Dr. Anjali Shukla, Preceptors
Laboratory of Cancer Biology and Genetics

117. David W Friedland

Expression of the Carboxyl-Terminal Nucleotide-Binding Domain in Pdr5
Charles E. Smith Jewish Day School
Hometown: Potomac, MD
Dr. Robert M. Rutledge, Preceptor
Laboratory of Cell Biology

118. Song Fu

CENP-A Promoter Mapping in Colorectal Cancer
University of Maryland
Hometown: Germantown, MD
Dr. Yamini P. Dalal, Preceptor
Laboratory of Receptor Biology and Gene Expression

119. Stephanie P Galarza

Biological Function of SMURF2
Woodbridge Senior High School
Hometown: Woodbridge, VA
Dr. Ying Zhang,
Dr. Michael Blank, Preceptors
Laboratory of Cellular and Molecular Biology

120. Sarah E Gamble

B-cells in a Model of Breast Cancer
University of Maryland
Hometown: College Park, MD
Dr. Dror Luger, Preceptor
Laboratory of Cancer Biology and Genetics

121. Havilah C Gates

Techniques in Radiation Therapy Treatment Planning and Dosimetric Calculations
Community College of Baltimore County
Hometown: Bethesda, MD
Dr. Robert W. Miller, Preceptor
Radiation Oncology Branch

122. Vickianna G Gittens

Substrate activity screening for the identification of YopH and PTP1B inhibitors
Howard University
Hometown: Washington DC, DC
Dr. Terry Burke,
Dr. Medhanit Bahta, Preceptors
Basic Research Laboratory-Frederick

123. Jonathan S Gootenberg

Activation of SIRT1 is selectively toxic to a subset of ovarian cancers

Montgomery Blair High School

Hometown: Rockville, MD

Dr. Christina M. Annunziata, Preceptor

Medical Oncology Branch and Affiliates

124. Irina Gruzinova

Mutagenic effects of transcription errors in E. coli

University of Arizona

Hometown: Cortaro, AZ

Dr. Maria Kireeva, Preceptor

Gene Regulation and Chromosome Biology Laboratory

125. Wenlu Gu

Optimizing the stereospecific formation of alpha glycosidic linkages

University of Wisconsin - Madison

Hometown: Racine, WI

Dr. Jeff Gildersleeve, Preceptor

Laboratory of Medicinal Chemistry

126. Shing Han

Evaluation of Cancer Cells Using Different Variables During Immunohistochemistry Staining

University of Maryland

Hometown: Gaithersburg, MD

Dr. Stephen M. Hewitt, Preceptor

Laboratory of Pathology

127. Zachary M Harvanek

Molecular Surveillance Mechanisms for Exclusion of Cse4p from non Centromeric Regions

Duke University

Hometown: Washington, DC

Dr. Munira A. Basrai, Preceptor

Genetics Branch

128. Heidi A Hempel

Development of therapeutic peptide nucleic acids against the PAX-FKHR fusion genes found in Alveolar Rhabdomyosarcoma.

University of Maryland

Hometown: Gaithersburg, MD

Dr. Javed Khan,

Dr. Belhu Metaferia, Preceptors

Pediatric Oncology Branch

129. Christina M Hitz

Expression and activity of liver selenoproteins in mice on varying dietary selenium levels

University of Maryland

Hometown: Potomac, MD

Dr. Dolph Hatfield, Preceptor
Laboratory of Cancer Prevention

130. Salini S Hota

Characterization of P-glycoprotein (ABCB1) Mutants for EPR Studies

Thomas Jefferson High School for Science and Technology

Hometown: Great Falls, VA

Dr. Zuben Sauna,

Dr. Suresh V. Ambudkar, Preceptors

Laboratory of Cell Biology

131. David Hou

Identification of Cancer Stem Cell Inhibitors Using Fruit Flies

Winston Churchill High School

Hometown: Potomac, MD

Dr. Shree Ram Singh,

Dr. Jairaj K. Acharya, Preceptors

Mouse Cancer Genetics Program

132. Christina Hu

Biomarker Assessment for Novel Inhibitors of Chk2 Kinase

Dalton School

Hometown: Flushing, NY

Dr. Keli Agama,

Dr. Andrew Jobson, Preceptors

Laboratory of Molecular Pharmacology

133. Shan Huang

Chromatin Looping on Developmental Genes with Hotair

Urbana High School

Hometown: Frederick, MD

Dr. Kathrin Muegge, Preceptor

Laboratory of Cancer Prevention

134. Meghan S Hughes

HIV and HPV Transmission Knowledge and Psychosocial Risk Behaviors in HIV

Positive and HIV Negative Adolescents and Young Adults

Brown University

Hometown: Chevy Chase, MD

Dr. Lauren V. Wood, Preceptor

Vaccine Branch

135. Joseph C Huguelet

Development and optimization of a product enhanced reverse transcriptase assay for use in wild lion retrovirus surveillance studies

Western Carolina University

Hometown: Sylva, NC

Dr. Rachel K. Bagni, Preceptor

Advanced Technology Program (ATP) SAIC Frederick

136. Jeanne Hunter

Validating MAP3K8 protein binding partners
Wright State University
Hometown: The Plains, OH
Dr. Jonathan Wiest, Preceptor
Laboratory of Cancer Biology and Genetics

137. Megan A Jamiolkowski

17-DMAG-Triggered Internalization of HER2 Specific Affiprobos
Catholic University of America
Hometown: McKees Rocks, PA
Dr. Jacek Capala,
Dr. Rafal Zielinski, Preceptors
Radiation Oncology Branch

138. Vidushani D Jayalal

Proteins interacting with the RepP region at the human beta globin locus
Gaithersburgh High School
Hometown: Montgomery Village, MD
Dr. Mirit Aladjem, Preceptor
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139. Helen Ji

MicroRNA-145 in Cellular Senescence
University of Maryland
Hometown: Rockville, MD
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Dr. Curtis Harris, Preceptors
Laboratory of Human Carcinogenesis

140. Jingran Ji

Validating MicroRNA Target Genes
Mills High School
Hometown: Millbrae, CA
Dr. Joseph M. Ziegelbauer, Preceptor
HIV and AIDS Malignancy Branch

141. BaiBai Kamara

Thymidine with a Twist. An Analytical Evaluation of N-Methanocarbathymidine, a Novel Molecule with Antiviral Activity
Howard University
Hometown: Antioch, TN
Dr. James A. Kelley, Preceptor
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142. Sameena Khan

Identification of Differential Lamin A-Interacting Proteins in a Yeast Two Hybrid Screen
Bullis School
Hometown: Potomac, MD
Dr. Travis Dittmer,

Dr. Tom Misteli, Preceptors
Laboratory of Receptor Biology and Gene Expression

143. Alexander J Kiener

Analysis of Susceptibility to MPNST Tumors
Thomas S. Wootton High School
Hometown: Potomac, MD
Dr. Karlyne Reilly, Preceptor
Mouse Cancer Genetics Program

144. Jinyong Kim

Evaluation of a One-Step Strategy for Lentiviral Vector Purification
University of California, Berkeley
Hometown: Frederick, MD
Dr. Steven A. Feldman, Preceptor
Surgery Branch

145. Nayoon Kim

High Throughput Assay for Drugs Targeting Regulation of NO Signaling via CD47
Massachusetts Institute of Technology
Hometown: Conyers, GA
Dr. David D. Roberts, Preceptor
Laboratory of Pathology

146. Seyoun Kim

Functional Study of BRCA1 E3 Ubiquitin Ligase in Mouse ES Cells
Montgomery Blair High School
Hometown: Rockville, MD
Dr. Suhwan Chang,
Dr. Shyam K. Sharan, Preceptors
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147. Matthew S Kreitman

Effect of Immunolabeling on DNA Retrieval from Immuno-Laser Microdissected Tissue Samples
Melvin J. Berman Hebrew Academy
Hometown: Potomac, MD
Dr. Michael E. Buck,
Dr. Jaime Rodriguez-Canales, Preceptors
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148. Rebecca P Krosnick

Automatic Lung CT Image Segmentation by Using the Insight Toolkit
Poolesville High School
Hometown: Montgomery Village, MD
Dr. Robert W. Miller,
Dr. Ying Zhuge, Preceptors
Radiation Oncology Branch

149. Patty B Kuo

Generation of FISH Probes with High Signal to Noise Ratio
Winston Churchill High School
Hometown: Bethesda, MD
Dr. Kerstin Heselmeyer-Haddad,
Dr. Thomas Ried, Preceptors
Genetics Branch

150. Clifford J Kwityn

Analytical Preparation of Tissue Inhibitor of Metalloproteinase 2 (TIMP-2) Expressed in Baculovirus for Pre-Clinical Studies
Rutgers University
Hometown: Chevy Chase, MD
Dr. William Stetler-Stevenson,
Dr. Liliana Guedez, Preceptors
Radiation Oncology Branch

151. Jennifer Larmore

Investigating cooperative binding of bacteriophage lambda repressor to its operators (OR1 and OR2)
Lake-Sumter Community College
Hometown: Clermont, FL
Dr. Dale Lewis, Preceptor
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152. Michelle R Larsen

Comparison of Analgesic Efficacy in Relieving Post-Surgical Pain in Mice
Virginia - Maryland Regional College of Veterinary Medicine
Hometown: Oakton, VA
Dr. Jeremy Smedley,
Dr. Ashley Reynolds, Preceptors
Basic Research Laboratory-Bethesda

153. Wing Yee Lau

Does POTE interact with MPP9?
Bunker Hill Community College
Hometown: Quincy, MA
Dr. Tapan K. Bera, Preceptor
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154. Steven A Leung

Generation of Functional Mutation of the Glaucoma-associated Gene Optineurin
Lexington High School
Hometown: Lexington, MA
Dr. Jonathan D. Ashwell,
Dr. Ivana Munitic, Preceptors
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155. Brett A Linowes

Transcriptional Regulation of IL-7 Receptor Alpha Chain During T-Cell Development
University of Michigan

Hometown: Rockville, MD
Dr. Hyun Park, Preceptor
Experimental Immunology Branch

156. Chang Liu

Improving Liposomal Drug-Delivery Using Nano-Particles
Wellesley College
Hometown: Houston, TX
Dr. Anu Puri,
Dr. Jae ho Lee, Preceptors
CCR Nanobiology Program

157. Jesse Y Liu

Characterization of Immune Response Against Analogs of NKT Cell-Agonist Alpha-Galactosylceramide in BALB/c and B6 Mice
Duke University
Hometown: Vienna, VA
Dr. Jay Berzofsky,
Dr. Masaki Terabe, Preceptors
Vaccine Branch

158. Lance Liu

Intracellular distribution of adenylyl cyclase A (ACA) in chemotaxing Dictyostellium cells
University of Maryland
Hometown: Boyds, MD
Dr. Carole Parent,
Dr. Paul W. Kriebel, Preceptors
Laboratory of Cellular and Molecular Biology

159. Richard T Lucarelli

New Approaches to Lymphatic Imaging
University of Texas Southwestern Medical School
Hometown: New Cumberland, PA
Dr. Peter Choyke, Preceptor
Molecular Imaging Program

160. Caleb D Marceau

Shedding of tumor-derived nanovesicles confers resistance to antibody-based cancer therapies
Portland State University
Hometown: Charlo, MT
Dr. Phillip A. Dennis,
Dr. Joell Gills, Preceptors
Laboratory of Cellular Oncology

161. Stephanie R Marcum

Isolation of HIF-2 Active Compounds Derived from Natural Product Extracts.
Wake Forest University
Hometown: Frederick, MD
Dr. Tawnya McKee, Preceptor

Molecular Targets Development Program

162. Miguel Marino

Statistical framework for the analysis of high-throughput TaqMan-based qRT-PCR Data: Identifying differentially expressed genes between tissue types and assessing their usefulness in the prediction of multidrug resistance in clinical cancer samples.

Harvard University

Hometown: Cambridge, MA

Dr. Michael M. Gottesman,

Dr. Jean-Pierre Gillet, Preceptors

Laboratory of Cell Biology

163. Mario F Martinez

Development of third generation tyrosine kinase inhibitors for treatment of drug resistant chronic myeloid leukemia (CML)

Elon University

Hometown: Boyds, MD

Dr. Suresh V. Ambudkar,

Dr. Suneet Shukla, Preceptors

Laboratory of Cell Biology

164. Mirna D Martinez

Effects of Lactoferrin and Cathelicidin combined treatment on Antigen Presenting Cells

Howard University

Hometown: Frederick, MD

Dr. Gonzalo de la Rosa, Preceptor

Laboratory of Molecular Immunoregulation

165. Alex Mattia

Analysis of Gene Mutations in Patients with Defects in DNA Repair

Howard University

Hometown: Lanham, MD

Dr. Kenneth Kraemer, Preceptor

Basic Research Laboratory-Bethesda

166. Claire D McWhite

CDK5 Pathway in Lung Carcinogenesis

Thomas S. Wootton High School

Hometown: Potomac, MD

Dr. Ilona Linnoila, Preceptor

Cell and Cancer Biology Branch

167. Jose R Mercado

Induction of synergistic proteotoxicity by nelfinavir and bortezomib in myeloma and lung cancer cells.

University of Puerto Rico

Hometown: North Bethesda, MD

Dr. Phillip A. Dennis, Preceptor

Medical Oncology Branch and Affiliates

168. Jade T Mims

Relevance of the Stroma and Epithelial-Mesenchymal Function in Esophageal Squamous Cell Carcinoma from a High-Risk Population in China

Howard University

Hometown: Baton Rouge, LA

Dr. Michael Emmert-Buck, Preceptor

NCI Alliance with NanoTechnology in Cancer

169. Sarat Mohammed

Synthesis of Potential Non-Nucleoside Inhibitors of HIV Reverse Transcriptase

Spelman College

Hometown: Marietta, GA

Dr. Gary Pauly, Preceptor

Laboratory of Medicinal Chemistry

170. Tia M Morgan

Immunogenicity of DNA-SIV prime/ ALVAC-SIV boost/gp120 Protein Vaccination In Rhesus Macaques

Shaw University

Hometown: Henderson, NV

Dr. Genoveffa Franchini,

Dr. Monica Vaccari, Preceptors

Vaccine Branch

171. Graham J Myers

HTLV-1 p8 increases T-cell contact without activation.

Reed College

Hometown: Washington, DC

Dr. Nancy M. Van Prooyen, Preceptor

Vaccine Branch

172. Emma K Nalezny

The Role of HoxA9 Overexpression in Acute Myeloid Leukemia

University of Notre Dame

Hometown: Edina, MN

Dr. Peter D. Aplan,

Dr. Sarah H. Beachy, Preceptors

Laboratory of Genetics

173. Chris D Neumann

CGH Analysis of Renal Cell Carcinoma

Landon School

Hometown: Potomac, MD

Dr. Keith Killian,

Dr. Paul Meltzer, Preceptors

Genetics Branch

174. Nechama Newman

Multiplex PCR Design for Use as a Control in a CLIA Laboratory

University of Maryland, Baltimore County

Hometown: Baltimore, MD
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Genetics Branch

175. Alexander J Nutman

Analysis of HIV-1 Genetic Recombination in vivo
Georgetown Day School
Hometown: Chevy Chase, MD
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HIV DRP Host-Virus Interaction Branch

176. Phillip E Nwosu

Telomere Erosion Contributes to Tumorigenesis in Spontaneously Transformed Murine Colon Epithelial Cells
Bullis School
Hometown: Bethesda, MD
Ms. Nicole McNeil, Preceptor
Genetics Branch

177. Charlotte M Oliver

LTB4 Signal Relay during Neutrophil Chemotaxis
Lycee Rochambeau French International School
Hometown: Kensington, MD
Dr. Carole Parent, Preceptor
Laboratory of Cellular and Molecular Biology

178. Lyra B Olson

The tumor suppressor DLC1 binds the focal adhesion protein talin
Choate Rosemary Hall
Hometown: Middlebury, CT
Dr. Douglas R. Lowy,
Dr. Xiaolan Qian, Preceptors
Laboratory of Cancer Prevention

179. James Pan

MDR1 Polymorphisms affect anthracycline cytotoxicity without changing protein half-life
Carnegie Mellon University
Hometown: Pittsburgh, PA
Dr. Michael M. Gottesman,
Dr. King Leung Fung, Preceptors
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180. Matthew V Panico

Effect of Gadd45alpha and p38alpha Genes on the Level of Autoantibodies in Mice
Johns Hopkins University
Hometown: West Hurley, NY
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181. Swetha Pasala

Inherent Mitochondrial Dysfunction in TOP1mt Knockout Mice
Thomas Jefferson High School for Science and Technology
Hometown: Herndon, VA
Dr. Yves Pommier, Preceptor
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182. Rushi B Patel

Effect of HDAC inhibitor, mTOR inhibitor and type I interferon on multiple myeloma cell lines

Seneca Valley High School
Hometown: Germantown, MD
Dr. Jyoti Patel,
Dr. Beverly Mock, Preceptors
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183. Subha Perni

Targeting DNA Repair Deficiency in Triple Negative Breast Cancer

Princeton University
Hometown: West Bloomfield, MI
Dr. Jeffrey Green,
Dr. Christine Tomlinson, Preceptors
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184. Rita Poon

Evaluation of Immune Therapies in a Murine

University of Maryland
Hometown: Bethesda, MD
Dr. Crystal Mackall, Preceptor
Pediatric Oncology Branch

185. Janie Qi

Living Free: An Extra Chromosome in Drosophila and Its Structural Characterization

Princeton University
Hometown: Fairfax, VA
Dr. Yikang Rong, Preceptor
Laboratory of Biochemistry and Molecular Biology

186. Peter L Qiao

The Identification and Characterization of Phospholipid Scramblase 1 and Phospholipid Scramblase 3 as Novel Cripto-1 Binding Partners

Montgomery Blair High School
Hometown: Potomac, MD
Dr. Kazuhide Watanabe, Preceptor
Mammary Biology and Tumorigenesis Laboratory

187. Shuo Qiu

Characterization of Mesothelin in Mesothelioma

Walter Johnson High School
Hometown: Rockville, MD
Dr. Raffit Hassan,

Ms. Jingli Zhang, Preceptors
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188. Rehan S Quadri

Novel Therapeutic Approaches for Prostate Cancer Metastasis

University of Maryland

Hometown: Potomac, MD

Dr. Ivy Yin, Preceptor

Cell and Cancer Biology Branch

189. Zakiya Qualls

The Importance of Non-conserved Regions in Protein Remodeling by the E. coli

Molecular Chaperone, ClpB

Howard University

Hometown: Washington, DC

Dr. Sue Wickner, Preceptor

Laboratory of Molecular Biology

190. Paul A Randazzo

Granulysin: A Cytolytic and Proinflammatory Protein with Far-Reaching Implications in Human Health

Bullis School

Hometown: Potomac, MD

Dr. Carol Clayberger, Preceptor

Laboratory of Cellular and Molecular Biology

191. Christopher J Redmond

Neutrophil gelatinase-associated lipocalin (NGAL): Endogenous activators of the immune system

Rutgers University

Hometown: Sykesville, MD

Dr. Poonam Tewary, Preceptor

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192. Richard A Reges

Regulation of SATB1 by Mir23

Salisbury University

Hometown: Highland, MD

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193. Jennifer O Robb

Evaluation of Met Inhibitors on Osteosarcoma Cell Lines

Lake Worth Community High School

Hometown: Lake Worth, FL

Dr. Su Y. Kim, Preceptor

Pediatric Oncology Branch

194. Yahaira I Rosario Morales

Pancreatic Cancer Mouse Model: Influence of Inflammation.

University of Puerto Rico, Rio Piedras campus
Hometown: Comerío, PR
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195. Alex M Rosenberg

Two-dimensional Survey of MicroRNA Expression in Breast Cancer Tissue
University of Pennsylvania
Hometown: Gaithersburg, MD
Dr. Michael Emmert-Buck,
Dr. Michael Tangrea, Preceptors
Laboratory of Pathology

196. Maria A Sacta

Phorbol ester induces stable and long term assembly of pol-II and p300 that persists throughout the cell cycle
New Jersey City University
Hometown: Bethesda, MD
Dr. Kevin L. Gardner,
Dr. Madeline Wong, Preceptors
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197. Shubho J Sadhu

Exploring molecular dynamics techniques to improve biomolecular structures for nanodesign
Washington University in St. Louis
Hometown: Fairfax, VA
Dr. Bruce Shapiro, Preceptor
Nanobiology Program

198. Yolanda R Safford

The Role of TNF in Acute and Chronic Colitis: Evaluation of Local and Systemic Cytokine Responses
Spelman College
Hometown: Augusta, GA
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199. Anam Salman

Isolation of Centrosome Associated Polo-Box Domain Binding Proteins
University of Maryland, Baltimore County
Hometown: Germantown, MD
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200. Arnab Sarker

Partition protein ParB1 is also a negative regulator of Vibrio cholerae chromosome I replication
Georgetown University
Hometown: Germantown, MD

Dr. Dhruva Chatteraj, Preceptor
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201. Callie H Seaman

Balanced Translocations in Colorectal Cancer
Eleanor Roosevelt High School
Hometown: Bowie, MD
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202. Luke D Sedney

Effects of PARP Inhibitors in combination with DNA-Damaging Agents in Triple-Negative Breast Cancer Cells
John Carroll School
Hometown: Forest Hill, MD
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203. Victoria M Seng

Role of TWEAK Signaling Pathway in Development of Prostate Cancer Bone Metastasis
University of Maryland
Hometown: Rockville, MD
Dr. Juan Juan Yin,
Dr. Kathleen Kelly, Preceptors
Cell and Cancer Biology Branch

204. Charlie Seto

Differential Gene Networks Associated with TIMP-2
California State Polytechnic University, Pomona
Hometown: Diamond Bar, CA
Dr. Liliana Guedez, Preceptor
Radiation Oncology Branch

205. Andi Shahu

Investigating the Relationship between EWS-Fli1 and Microtubules
Walter Johnson High School
Hometown: Bethesda, MD
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Dr. Patrick J. Grohar, Preceptors
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206. Mengge Shan

TGF-beta Induces EMT in Breast Cancer
University of Maryland
Hometown: Clarksburg, MD
Dr. Misako Sato,
Dr. Akira Oshima, Preceptors
Laboratory of Cancer Biology and Genetics

207. Karen J Shou

Velocity and Directionality of Cell Migration in Cocultures of Breast Cancer Cells and Fibroblasts

Chantilly High School

Hometown: Herndon, VA

Dr. Christina H. Stuelten, Preceptor

Cell and Cancer Biology Branch

208. Eleanor Simpson

Characterization of protein expression correlating with the metastatic phenotype in osteosarcoma cell lines

Thomas S. Wootton High School

Hometown: Bethesda, MD

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Pediatric Oncology Branch

209. Haley M Simpson

Urinary c-Met Ectodomain Shedding is Elevated in Bladder Cancer

University of North Carolina at Chapel Hill

Hometown: Albertson, NC

Dr. Donald Bottaro, Preceptor

Urologic Oncology Branch

210. Vineet Singal

Characterization of ABCB5, a poorly studied ABC transporter highly expressed in melanomas

Stanford University

Hometown: Rockville, MD

Dr. Michael M. Gottesman,

Dr. Jean-Pierre Gillet, Preceptors

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211. Simmi S Singh

Evaluation of Anaplastic Lymphoma Kinase (ALK) Expression in Canine Lymphoma: Building a Comparative Model

University of Maryland, Baltimore County

Hometown: North Potomac, MD

Dr. Chand Khanna,

Dr. Melissa Paoloni, Preceptors

Pediatric Oncology Branch

212. Shelby Smith

The Effects of CDK2 Inhibitors in Melanoma Cells

Maret School

Hometown: Silver Spring, MD

Dr. Julio Valencia,

Dr. Elodie Le Pape, Preceptors

Laboratory of Cell Biology

213. Jiyeon Son

The Effect of Arf on Podosomes
Princeton University
Hometown: Rockville, MD
Dr. Paul A. Randazzo,
Dr. Yoko Shiba, Preceptors
Laboratory of Cellular and Molecular Biology

214. Benjamin P Sopczynski
Epigenetic Modulation of Cholangiocellular Carcinoma Cell Lines
Michigan State University
Hometown: Bridgeport, MI
Dr. Elizabeth A. Conner,
Dr. Jens U. Marquardt, Preceptors
Laboratory of Experimental Carcinogenesis

215. Annie Sullivan
Analysis of the role of Ezh2 in transformed murine melanocytes
Middlebury College
Hometown: Westport, CT
Dr. Thomas J. Hornyak, Preceptor
Dermatology Branch

216. Shikha Talwar
Comparison of DNA Methylation and Chromatin Structure Patterns in Silenced Chromosomal Loci
Eastern High School
Hometown: Voorhees, NJ
Dr. Mirit Aladjem,
Dr. Liang Huang, Preceptors
Laboratory of Molecular Pharmacology

217. Kathleen Tompkins
Increased expression of stem cell markers in the airway of human Achaete-scute homolog-1 transgenic mice.
Bunker Hill Community College
Hometown: Rockville, MD
Dr. Xiaoyang Wang, Preceptor
Cell and Cancer Biology Branch

218. Paul Tran
Evaluation of Storage Conditions on Telomere Length for Use as an Indicator for Cancer Disease Status
Preuss School, University of California, San Diego
Hometown: San Diego, CA
Dr. Daniel Edelman, Preceptor
Genetics Branch

219. Jerry C Tsao
Effects of Paclitaxel and anti-TGF-beta on various cancer cells
University of California, Los Angeles

Hometown: Rockville, MD
Dr. Lalage Wakefield,
Dr. Yu-an Yang, Preceptors
Laboratory of Cancer Biology and Genetics

220. Seshagiri R Vakkalanka

Renal Function in Pediatric HIV and AIDS
New York University
Hometown: Bethesda, MD
Dr. Rohan Hazra, Preceptor
HIV and AIDS Malignancy Branch

221. Julio Valdiviezo

Expression of the Amino-terminal Nucleotide-binding Domain of Pdr5 in E. coli
University of Arizona
Hometown: Tucson, AZ
Dr. Robert M. Rutledge, Preceptor
Laboratory of Cell Biology

222. Catherine A Varnum

Inhibition of Oncogenic Met Signaling in Cancer
Vassar College
Hometown: Takoma Park, MD
Dr. Donald P. Bottaro, Preceptor
Urologic Oncology Branch

223. Mudit Verma

Molecular Cloning of WNT Promoters
Thomas Edison High School of Technology
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Dr. Jing Huang, Preceptor
Laboratory of Cancer Biology and Genetics

224. Maria D Vitery

Roles of the N-terminal domain of E. coli ClpB in protein disaggregation
Montgomery College
Hometown: Rockville, MD
Dr. Sue Wickner, Preceptor
Laboratory of Molecular Biology

225. Jessica A Vossler

The Prefractionation of Crude Natural Product Extracts: Generation of an Enhanced Resource for High Throughput Screening Applications
Hood College
Hometown: Mount Airy, MD
Dr. Kirk Gustafson, Preceptor
Molecular Targets Development Program

227. Nguyen D Vu

Monoclonal Antibody Discovery by Database Analysis

University of Maryland
Hometown: Frederick, MD
Dr. Dimiter D. Dimitrov,
Mr. John Owens, Preceptors
CCR Nanobiology Program

228. Eric L Wan

SLP76 SH2 domain interactions with ADAP and HPK1
Montgomery Blair High School
Hometown: Potomac, MD
Dr. Lawrence E. Samelson,
Dr. Nathan P. Coussens, Preceptors
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229. Eric W Wang

Purification and Characterization of Recombinant Smurf Proteins
Thomas S. Wootton High School
Hometown: Rockville, MD
Dr. Ying Zhang, Preceptor
Laboratory of Cellular and Molecular Biology

230. Kimberly B Washington

Stimulation of cross-neutralizing HPV antibodies in Balb/c mice using various combinatorial vaccination approaches
Oklahoma State University
Hometown: Oklahoma City, OK
Dr. John Schiller,
Dr. Rhonda Kines, Preceptors
Laboratory of Cellular Oncology

231. Sara M Wichner

Determination of Myoinositol by Proton Spectroscopic Imaging as a Prognostic Factor in Pediatric Brain Tumor Patients
University of Chicago
Hometown: Bethesda, MD
Dr. Katherine E. Warren,
Ms. Emilie Steffen-Smith, Preceptors
Pediatric Oncology Branch

232. Reid V Wilkening

Evaluation of Potential Biomarkers in Bronchiolitis Obliterans Syndrome after Hematopoietic Stem Cell Transplantation
Swarthmore College
Hometown: Washington, DC
Dr. Ronald E. Gress,
Dr. Kirsten M. Williams, Preceptors
Experimental Transplantation and Immunology Branch

233. Xinran (Maria) Xiang

Novel Spheroid Modeling of Human Mesothelioma to Investigate Antibody Therapeutics

University of Michigan
Hometown: Ann Arbor, MI
Dr. Mitchell Ho, Preceptor
Laboratory of Molecular Biology

234. Soumya Yanamandra

Immunohistochemical assessment of anti-angiogenesis drug influence on tumor oxygenation to identify optimal chemoradiotherapeutic window
Winston Churchill High School
Hometown: Potomac, MD
Dr. Murali K. Cherukuri, Preceptor
Radiation Biology Branch

235. Hailiu Yang

Identifying Regulators of Metastasis Suppressors Let-7c, miR-146a, and miR-146b
Haverford College
Hometown: Potomac, MD
Dr. Kent Hunter,
Dr. Natalie Goldberger, Preceptors
Laboratory of Cancer Biology and Genetics

236. Amanda L Yates

Characterization of von Hippel-Lindau Tumor Suppressor Gene Mutations in Sporadic Clear Cell Kidney Tumors
Linganore High School
Hometown: New Market, MD
Dr. Michael L. Nickerson, Preceptor
Cancer Inflammation Program

237. Cindy Ye

Transcription-coupled repair pathways in Saccharomyces cerevisiae: involvement of Rpb4, Rbp7 and Rpb 9 subunits in the recognition of the thymidine dimer by RNA polymerase II
Duke University
Hometown: Marietta, GA
Dr. Celine Walmacq, Preceptor
Gene Regulation and Chromosome Biology Laboratory

238. Eric Y You

The effect of granulocyte-colony-stimulating factor and standard chemotherapy in vitro against human malignant peripheral nerve sheath tumor and pediatric sarcoma cell lines
Stevens Institute of Technology
Hometown: Alexandria, VA
Dr. Aerang Kim, Preceptor
Pediatric Oncology Branch

239. Shanitah E Young

Role of Allantoin in the Pathogenic Fungus Candida albicans
Bard College at Simon's Rock

Hometown: San Diego, CA
Dr. David D. Roberts,
Dr. Dhammika H. Navarathna, Preceptors
Laboratory of Pathology

240. Scott S Yu

Identification of Bag-3 Interacting Proteins
Montgomery Blair High School
Hometown: Bethesda, MD
Dr. Elise Kohn, Preceptor
Medical Oncology Branch and Affiliates

241. Biqi Zhang

Role identification of MYCN oncogene on the pathogenesis of PAX3-FKHR fusion protein
Thomas Jefferson High School for Science and Technology
Hometown: Fairfax, VA
Dr. Liang Cao, Preceptor
Genetics Branch

242. Han Zhang

Determination of the sub-cellular localization of Cbl proteins.
Harvard College
Hometown: Oakton, VA
Dr. Stanley Lipkowitz, Preceptor
Laboratory of Cellular and Molecular Biology

243. Jason C Zhang

A Study of Sulfiredoxin and Its Role in Cell Migration and Invasion
Columbia University
Hometown: Yorktown, NY
Dr. Qiou Wei,
Dr. Nancy Colburn, Preceptors
Laboratory of Cancer Prevention

244. Steven E Zhang

Gfi-1 may be epigenetically silenced by its antisense RNA
Cornell University
Hometown: Rockville, MD
Dr. Juraj Bies,
Dr. Linda Wolff, Preceptors
Laboratory of Cellular Oncology

245. Xuemin (Rosie) Zhang

Biochemical Characterization of HIV-1 Integrase Mutants: Implications in Raltegravir Resistance
University of Maryland
Hometown: Burtonsville, MD
Dr. Mathieu Metifiot,
Dr. Yves Pommier, Preceptors

Laboratory of Molecular Pharmacology

246. Diana Zhong

Analysis of Soluble TRAIL Generation by MMP14

University of Maryland

Hometown: North Potomac, MD

Dr. James Yang,

Dr. Ken-ichi Hanada, Preceptors

Surgery Branch

247. Deanna W Zhu, Utkarsh Jain, Anuj Mukherjee, Matthew W Kannan, Henna C Nandwani

3D structures of HIV envelope glycoproteins determined using cryo-electron tomography

Thomas Jefferson High School for Science and Technology

Poolesville High School

Bethesda-Chevy Chase High School

Montgomery Blair High School

McLean High School

Hometown: McLean, VA

Boyds, MD

Chevy Chase, MD

Bethesda, MD

Vienna, VA

Dr. Sriram Subramaniam, Preceptor

Laboratory of Cell Biology

248. Alexis M Zukowski

Processing and Enzymatic Activity of Truncation Mutants of the Lysophosphatidic Acid-producing Exoenzyme, Autotaxin.

San Diego State University

Hometown: San Diego, CA

Dr. Mary Stracke,

Mr. Timothy Clair, Preceptors

Laboratory of Pathology

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

249. Lauren M Hurwitz

Distress, Mood, and Quality of Life Characteristics in African American Breast Cancer Survivors

Johns Hopkins University

Hometown: Rockville, MD

Dr. Paige A. McDonald, Preceptor

Behavioral Research Program

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

250. Alex E Akman

Integration of Hap-Map SNP pattern analysis of the MYEOV gene combined with gene expression profiling reveals common SNP profiles for cancer predictor genes.

Washington University in St. Louis
Hometown: Chevy Chase, MD
Mr. Stephen Chanock, Preceptor
Laboratory of Translational Genomics

251. Mary A Anderson

Black and White Differences in Breast Cancer Incidence and the Distribution of BMI and Reproductive Risk Factors (1992-2006)

University of Florida
Hometown: Jacksonville, FL
Dr. Ruth Pfeiffer, Preceptor
Biostatistics Branch

252. Bryan Bassig

Selected HLA polymorphisms and risk of adult glioma

Yale University
Hometown: Rockville, MD
Dr. Alina V. Brenner,
Dr. Ruth Kleinerman, Preceptors
Radiation Epidemiology Branch

253. Rohini K Bhatia

Oral Human Papillomavirus Infection in Healthy Individuals: A Systematic Review of the Literature

Mount Hebron High School
Hometown: Ellicott City, MD
Dr. Aimee R. Kreimer, Preceptor
Infections and Immunoepidemiology Branch

254. Madeleine M Blank

Dietary fat and ovarian cancer in the NIH-AARP Diet and Health Study

University of Michigan
Hometown: Washington, DC
Dr. Yikyung Park, Preceptor
Nutritional Epidemiology Branch

255. Evan Busch

The Relationship of Bacterial Translocation to Increased Incidence of Non-Hodgkin's Lymphoma in HIV+ Patients

University of California, Berkeley
Hometown: San Diego, CA
Dr. Charles S. Rabkin,
Dr. Anil Chaturvedi, Preceptors

Infections and Immunoepidemiology Branch

256. Maria C Camargo

Determinants of Epstein-Barr virus-positive gastric cancer: An international pooled analysis

University of Illinois at Chicago

Hometown: Rockville, MD

Dr. Charles S. Rabkin,

Dr. Gwen Murphy, Preceptor

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257. Jason B Douglas

IGF-I, IGF-II, IGFBP-3, and Exocrine Pancreatic Cancer

University of Michigan School of Public Health

Hometown: Rockville, MD

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258. Alexander H Fischer

Urine mutagenicity in the New England Bladder Cancer Study

University of Maryland

Hometown: Greenbelt, MD

Dr. Dalsu Baris, Preceptor

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259. Alison Glassman

Dietary fiber intake and its association with endometrial cancer in the NIH-AARP Diet and Health Study

University of Kentucky

Hometown: Gaithersburg, MD

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260. Alpana Kaushiva

Correlation between expression of alternative splicing forms of Notch 2 gene and genotypes of GWAS breast cancer associated SNP rs11249433 in tumors and blood of patients

University of Maryland, Baltimore County

Hometown: Fulton, MD

Dr. Ludmila Prokunina, Preceptor

Laboratory of Translational Genomics

261. Peter S Kirk

Risk of Cervical Cancer based on HPV Infection Type

Colby College

Hometown: Seattle, WA

Dr. Mark Schiffman, Preceptor

Hormonal and Reproductive Epidemiology Branch

262. Dorothy H Kwok

The Joint Effects of 8q24 and Vitamins D and E on Prostate Cancer Risk
Yale University
Hometown: Rockville, MD
Dr. Ann Hsing, Preceptor
Hormonal and Reproductive Epidemiology Branch

263. Catherine C Lerro

Body size and risk of testicular cancer: A meta analysis
Yale University
Hometown: Kensington, CT
Dr. Katherine McGlynn,
Dr. Michael Cook, Preceptors
Hormonal and Reproductive Epidemiology Branch

264. Luyang Liu

Genetic Fine-Mapping and Analysis of Fusion Transcripts of JAZF1 Gene Associated with Susceptibility to Prostate Cancer
Barnard College, Columbia University
Hometown: Rockville, MD
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265. Camille C Madsen

Environmental Correlates of Kaposi Sarcoma in Sicily
Brigham Young University
Hometown: Sandy, UT
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Infections and Immunoepidemiology Branch

266. Kishan P Mistry

Sample Handling and Qualification of Human DNA Samples for High-Throughput Genotyping
Richard Montgomery High School
Hometown: Germantown, MD
Ms. Amy A. Hutchinson, Preceptor
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267. Hazel B Nichols

Contralateral breast cancer in the Surveillance, Epidemiology, and End Results database, 1974-2006
Johns Hopkins Bloomberg School of Public Health
Hometown: Baltimore, MD
Dr. Amy Berrington de Gonzalez,
Dr. James V. Lacey, Preceptors
Radiation Epidemiology Branch

268. Natalia Orduz

Genetic and functional studies on a promoter variant within ALAD gene, a candidate for lead-induced kidney cancer
Montgomery College

Hometown: Gaithersburg, MD
Dr. Ludmila Prokunina, Preceptor
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269. Aurielle E Rowe

Alternate Multiplex Process Increases Flexibility of the Fluidigm® Integrated Fluidics Circuits, SNP Genotyping Platform
Hagerstown Community College
Hometown: Hagerstown, MD
Mr. Joseph Boland,
Mr. Victor Lonsberry, Preceptors
Core Genotyping Facility

270. Anushi Shah

Study of Copy Number Variation within GWAS-associated region on chr 1p11.2 in DNA from blood of breast cancer patients
Syracuse University
Hometown: Gaithersburg, MD
Dr. Ludmila Prokunina, Preceptor
Laboratory of Translational Genomics

271. Douglas A Stram

A Prospective Analysis of DNA Damage and Repair Capacity and Lung Cancer Risk
University of California, Berkeley
Hometown: Altadena, CA
Dr. Alice Sigurdson, Preceptor
Radiation Epidemiology Branch

272. Min Tang

Bone fractures in MGUS (Monoclonal Gammopathy of Undetermined Significance): a population based study
University of Maryland
Hometown: College Park, MD
Dr. Ruth Pfeiffer, Preceptor
Biostatistics Branch

273. Wenting Wang

A Bayesian Cox model for Simultaneously Evaluating the Association Between the Lung Cancer Survival time and a large number of Genetic Markers
Florida State University
Hometown: Tallahassee, FL
Dr. Kai Yu, Preceptor
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274. Jason Ya

Water quality and risk of classic Kaposi sarcoma
Thomas Jefferson High School for Science and Technology
Hometown: Bethesda, MD
Dr. James J. Goedert, Preceptor
Infections and Immunoepidemiology Branch

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

275. Aditi Srivastav

Biological basis of cancer health disparities: an epigenetic approach

University of Virginia

Hometown: Gaithersburg, MD

Dr. Nadarajen Vydelingum, Preceptor

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National Center for Complementary and Alternative Medicine (NCCAM)

276. Shayma M Jawad

The Effects of phytochemicals on Gene Expression of IGF-1 and PSA in LAPC4

Prostate Cancer Cells

Georgetown University

Hometown: Germantown, MD

Dr. Julia Arnold, Preceptor

Laboratory of Clinical Investigation

277. Elizabeth Park

The Role of Interleukins in the Induction of Prostate Reactive Stroma

George Washington University

Hometown: Washington, DC

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278. Galesa A Womack

DHEA and TGF beta effects on Prostate Stroma Cell Testosterone Production

Oxon Hill High School

Hometown: Clinton, MD

Dr. Julia Arnold, Preceptor

Laboratory of Clinical Investigation

National Eye Institute (NEI)

279. Megan S Casady

The Effect of Complement Component C5a on the Immunosuppressive Function of Human Retinal Pigment Epithelium Cells

Virginia Polytechnic Institute and State University

Hometown: Silver Spring, MD

Dr. Baoying Liu,

Dr. Robert Nussenblatt, Preceptors

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280. Haoxing Chen

Alterations in MicroRNA Expression Leads to Experimental Autoimmune Uveitis

University of Maryland

Hometown: Bethesda, MD

Dr. Mary Mattapallil, Preceptor

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281. Reza Hashemipour

Genotyping of BCMO1 Knockout Mice

University of Maryland

Hometown: Potomac, MD

Dr. Thomas M. Redmond, Preceptor

Laboratory of Retinal Cell and Molecular Biology

282. Avinash H Hiriyanna

Characterization of mouse models of human retinal disease caused by mutations in the leucine zipper transcription factor NRL

University of Maryland

Hometown: Boyds, MD

Dr. Anand Swaroop,

Dr. Jerome Roger, Preceptors

Neurobiology Neurodegeneration & Repair Laboratory

283. Marjory Jones

A Comparison of Anesthetics for Electoretinography

Virginia Polytechnic Institute and State University

Hometown: Barnesville, MD

Dr. Ginger Tansey, Preceptor

Veterinary Research and Resources Section

284. Waynekid Kam

Imaging the Natural History of Geographic Atrophy in Age-related Macular Degeneration: An Othera Study

Duke University

Hometown: Cary, NC

Dr. Wai T. Wong, Preceptor

Unit on Neuron-Glia Interactions in Retinal Disease

285. Stephanie C Kuo

MALDI Mass Spectrometry Analysis of Vitamin A Isomerization Reaction

Quince Orchard High School

Hometown: Germantown, MD

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286. David Li

VRMGEF Transgenic Mouse Analysis using Sequencing and PCR techniques

University of Maryland

Hometown: Gaithersburg, MD

Dr. Eric Wawrousek,
Dr. Viktor Morozov, Preceptors
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287. Sara Moghaddam-Taaheri

Characterization of pigment epithelium-derived factor (PEDF) protein variants: insights into mapping a receptor binding site in PEDF

University of Maryland
Hometown: Silver Spring, MD
Dr. S. Patricia Becerra,
Dr. Silvia Locatelli-Hoops, Preceptors
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288. Stephen Moster

Methods for Improving In Vivo Retinal Imaging in Mice through Reduced Lens Opacification

University of Maryland
Hometown: College Park, MD
Dr. Robert Fariss, Preceptor
Imaging Core Unit

289. Matthew J Rapp

Identifying a Functional Role for the Pigment Epithelium-derived Factor Receptor (PEDF-R) in Retinal Cell Survival

University of Maryland, Baltimore County
Hometown: Germantown, MD
Dr. Patricia Becerra,
Dr. Preeti Subramanian, Preceptors
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290. Ryan C Riddick

Cloning and Expression of the Methionine Sulfoxide Reductase B1 (MSRB1), an Antioxidant Enzyme with High Expression in the Retina

Brown University
Hometown: Silver Spring, MD
Dr. Ignacio R. Rodriguez, Preceptor
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291. Jerry C Sun

Mapping Different Domains of Pdlim2 Interacting with Cytoskeletal Proteins

Winston Churchill High School
Hometown: Rockville, MD
Dr. Peggy S. Zelenka, Preceptor
Laboratory of Molecular and Developmental Biology

292. Steven Walston

Morphology of the Blue Cone Bipolar Cell in the Mouse Retina

Vanderbilt University
Hometown: Charlottesville, VA
Dr. Wei Li, Preceptor

Unit on Retinal Neurophysiology

293. Abitha William

Inflammatory Cytokines Enhance VEGF Expression in Human Retinal Pigment Epithelial Cells: Implications for Age-Related Macular Degeneration

University of Maryland

Hometown: North Potomac, MD

Dr. Chandra N. Nagineni,

Dr. John J. Hooks, Preceptors

Laboratory of Immunology

National Heart, Lung, and Blood Institute (NHLBI)

294. Brittany O Aicher

Synthesis of Gold Nanoparticles with Various Core Sizes for Diverse Applications

Smith College

Hometown: Wausau, WI

Dr. Gary Griffiths, Preceptor

Imaging Probe Development Center

295. Robyn S Allen

Gene Expression in Hematopoietic Stem Cells After Exposure to 16,16-dimethylprostaglandin E2

St. Mary's College of Maryland

Hometown: Brookeville, MD

Dr. Robert Donahue, Preceptor

Hematology Branch

296. Mikhael Bekkerman

Characterization of the Glial Scar in a Mouse Model of Spinal Cord Injury

University of Maryland, Baltimore County

Hometown: Baltimore, MD

Dr. Herbert M. Geller,

Dr. Abigail Mabe, Preceptors

Developmental Neurobiology Section

297. David L Boone

Synthesis of ApoSense NST732 for functional molecular imaging of cell death

Catholic University of America

Hometown: Gainesville, FL

Dr. Gary Griffiths,

Dr. Haitao Wu, Preceptors

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298. Anna M Budde

Phospho-protein analysis of renal cortical connecting tubule (CCT) cells

University of Minnesota

Hometown: Eagan, MN

Dr. Mark A. Knepper, Preceptor
Laboratory of Kidney and Electrolyte Metabolism

299. Erin C Butler

Dynamic Visualization of Complex Congenital Heart Anomalies Using High Resolution Episcopic Fluorescence Image Capture (EFIC)

University of Maryland, Baltimore County

Hometown: Severn, MD

Dr. Cecilia Lo, Preceptor

Laboratory of Development Biology

300. Richard Casady

Characterization of the interaction between sorting nexin 27 and GIT1.

University of North Texas

Hometown: Denton, TX

Dr. Sharon L. Milgram,

Dr. Martin P. Playford, Preceptors

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301. Jason H Choi

Elasticity of the Extended Tail Domain of Myosin V

University of Pennsylvania

Hometown: Boyds, MD

Dr. James Sellers,

Dr. Attila Nagy, Preceptors

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302. Ari B Cohen

Transcriptional networks involved in Drosophila embryonic muscle and heart development

Ursinus College

Hometown: Potomac, MD

Dr. Alan Michelson, Preceptor

Laboratory of Developmental Systems Biology

303. Pasha Darvishi

Studying Drug Interactions: Effect of a Combination of Fludarabine and an Investigational Tyrosine Kinase Inhibitor on the Cytotoxicity of CLL Cells

George Washington University

Hometown: McLean, VA

Dr. Adrian Wiestner, Preceptor

Hematology Branch

304. Gregory R Davis

Effect of Mouse Strain on Mitochondrial Biogenesis and Exercise

Louisiana State University

Hometown: Phoenix, AZ

Dr. Paul M. Hwang,

Dr. Pingyuan Wang, Preceptors

Translational Medicine Branch

305. Sarah Edwards

Involvement of Reactive Oxygen Species in High Salt-Induced DNA Breaks and Cellular Senescence

University of Arizona

Hometown: Sugar Land, TX

Dr. Natalia Dmitrieva,

Dr. Maurice Burg, Preceptors

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306. Tracy Einstein

Comparison of engraftment kinetics and development of GVHD in NSG mice after intravenous vs intrabone injection of human CD133 cells

Clayton High School

Hometown: St. Louis, MO

Dr. Richard Childs,

Dr. Jeremu Pantin, Preceptors

Hematology Branch

307. Marina Feric

Membrane phospho-proteomic profile of native renal proximal tubule cells

University of Maryland

Hometown: Germantown, MD

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308. Paul D Guillod

Development of a 3D In Vitro Culture Model of Glial Scar Formation following Spinal Cord Injury

Vanderbilt University

Hometown: Greenwood Village, CO

Dr. Herbert M. Geller,

Dr. Robert Lutz, Preceptors

Developmental Neurobiology Section

309. Adrian D Haimovich

Computational analysis of combinatorial codes for the regulation of heart and muscle gene expression

Columbia University

Hometown: North Brunswick, NJ

Dr. Alan Michelson, Preceptor

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310. John J Hatch

Interactions between Coronary Vasculature and Cardiac Neurons during Embryonic Development

University of Virginia

Hometown: Arlington, VA

Dr. Yosuke Mukoyama, Preceptor

Laboratory of Development Biology

311. Sandy Hernandez

Improving the Stability, Resolution and Capability of the In Vitro Force Assay Using the Dual-Beam Optical Trap

SUNY Stony Brook

Hometown: Bronx, NY

Dr. James Sellers,

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312. Nadir Ijaz

FRET Analysis of Myosin VIIa Regulation

Duke University

Hometown: Falls Church, VA

Dr. James Sellers,

Dr. Verl Siththanandan, Preceptors

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313. Sarah I Jawed

FOS as a Marker of Atherosclerosis

George Washington University

Hometown: Columbia, MD

Dr. Paul M. Hwang,

Dr. Ju-Gyeong Kang, Preceptors

Translational Medicine Branch

314. John Kane

Odds Ratio Bias in Case-Control Studies Using Robust Genetic Models

Xavier University

Hometown: Washington, DC

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Office of Biostatistics Research

315. Andrew J Kim

Dissecting the Role of Megf8 in Cardiovascular Development

Duke University

Hometown: Cupertino, CA

Dr. Zhen Zhang,

Dr. Cecilia Lo, Preceptors

Laboratory of Development Biology

316. Lauren M Kunz

'Til Death (From Any Cause) Do Us Part?

University of Oslo

Hometown: Madelia, MN

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317. Jeff Liu

pml Inhibits adipogenesis through Sirt1 in 3T3L1 cell line

Duke University
Hometown: Springfield, VA
Dr. Shutong Yang,
Dr. Jay Chung, Preceptors
Laboratory of Biochemical Genetics

318. Siqing Liu

Protein Expression in MYH9 Related Diseases
Montgomery Blair High School
Hometown: Germantown, MD
Dr. Robert Adelstein, Preceptor
Laboratory of Molecular Cardiology

319. Kelli M Luginbuhl

SILAC Based Quantitative Nuclear Proteomics in Cultured Collecting Duct Cells
Colorado State University
Hometown: Colorado Springs, CO
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320. Katherine Ni

Identification of Proliferating Cells with Ki-67 in the Prostate of hGC-1 Knock Out Mouse Model
Richard Montgomery High School
Hometown: North Potomac, MD
Dr. Griffin Rodgers,
Dr. Hongzhen Li, Preceptors
Hematology Branch

321. David Osei-Hwedieh

The effect of high density lipoproteins on the proliferation of hepatocellular and prostate cancer cell lines
Rutgers University - New Brunswick
Hometown: Princeton, NJ
Dr. Alan Remaley, Preceptor
Pulmonary and Vascular Medicine Branch

322. Brian T Palmisano

A Systems Biology Approach to the Hepatic Response to Dietary Fat
University of Rochester
Hometown: Quakertown, PA
Dr. Alan Remaley, Preceptor
Pulmonary and Vascular Medicine Branch

323. Monica I Pate

Coarse-Grained Simulations of Polyethylene Oxide on Adsorbing and Nonadsorbing Surfaces
Bethesda-Chevy Chase High School
Hometown: Bethesda, MD
Dr. Richard Pastor, Preceptor

Laboratory of Computational Biology

324. Rachel M Reeves

Analysis of miRNA and Gene Expression in Blood Cells

Brown University

Hometown: Kensington, MD

Dr. Nalini Raghavachari, Preceptor

Gene Expression Core

325. Sara G Sadiq-Ali

Effect of Labeling Sup35p with GFP on the curing of [Psi+] Prion by Hsp104 in Yeast

University of Virginia

Hometown: Reston, VA

Dr. Lois Greene, Preceptor

Laboratory of Cell Biology

326. Michelle Shen

The role of DSCR on the mouse neuroendocrine system

Montgomery Blair High School

Hometown: North Potomac, MD

Dr. Yubin Du, Preceptor

Genetics and Development Biology Center

327. Jonathan M Slack

Flow Analysis and Quantification of Animal Models of Disease using Phase Contrast MRI

Landon School

Hometown: McLean, VA

Dr. Kanishka Ratnayaka, Preceptor

Laboratory of Cardiac Energetics

328. Andrew B Udofa

Characterization of the Interaction between Zonula Occludens-2 and Sorting Nexin 27 in Kidney Epithelial Cells

Baton Rouge Magnet High School

Hometown: Baton Rouge, LA

Dr. Martin P. Playford, Preceptor

Laboratory of Kidney and Electrolyte Metabolism

329. Nida Waheed

Effects of Derivatives of Blebbistatin on Isoforms of Nonmuscle Myosin II

University of North Carolina at Chapel Hill

Hometown: Goldsboro, NC

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Laboratory of Molecular Physiology

330. Evan B Wang

Comparison of additive and polarizable force fields for alkanes and ethers

University of Richmond

Hometown: Rockville, MD

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331. Kainan Wang

Induction of NMHCIIIB Isoform, B1 and Its Effect on Cell Morphology
Thomas Jefferson High School for Science and Technology
Hometown: Clifton, VA
Dr. Kee Kwang Kim, Preceptor
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332. Wensheng Wei

Characterization Of Transcription Regulators Involved in Endothelial-Mesenchymal Transition
Thomas S. Wootton High School
Hometown: North Potomac, MD
Dr. Manfred Boehm, Preceptor
Translational Medicine Branch

333. Elizabeth Wong

Effect of Interleukin 21 on Gene Expression of Dendritic Cells
Stanford University
Hometown: Modesto, CA
Dr. Warren J. Leonard, Preceptor
Laboratory of Molecular Immunology

334. Allen Xiao

Activation Characteristics of Photoactivatable Fluorescent Proteins
Mission San Jose High
Hometown: Fremont, CA
Dr. Jay Knutson, Preceptor
Laboratory of Molecular Biophysics

335. Stephanie S Zhang

Joint modeling of the childhood systolic and diastolic blood pressure in the NGHS study
Harvard University
Hometown: East Brunswick, NJ
Dr. Xin Tian, Preceptor
Office of Biostatistics Research

National Human Genome Research Institute (NHGRI)

336. Dana Alsaadi

Assessing DNA motifs in sequences that silence gene expression
Georgetown University
Hometown: Fairfax, VA
Dr. Laura Elnitski,
Ms. Hanna Petrykowska, Preceptors
Genome Technology Branch

337. Ejike I Anyanwu

African Americans' Explanations for Lung Cancer Disparities

Bell Multicultural High School

Hometown: Washington, DC

Dr. Della White,

Dr. Colleen McBride, Preceptors

Social and Behavioral Research Branch

338. Kaylyn R Bancroft

The effects of DNA demethylation on the acute myeloid leukemia cell line, ME-1

Georgetown Day School

Hometown: Hyattsville, MD

Dr. Paul Liu, Preceptor

Genetics and Molecular Biology Branch

339. Heather R Bemmels

"Don't think of it as a defect": Reducing the stigma surrounding craniofacial differences

University of Minnesota

Hometown: Minneapolis, MN

Ms. Barbara Biesecker, Preceptor

Social and Behavioral Research Branch

340. Sean Bhalla

The benefits of high throughput sequencing for cancer therapeutics

Wayne State University

Hometown: Detroit, MI

Dr. Yardena Samuels, Preceptor

Cancer Genetics Branch

341. Samira Brooks

Identification of cis-acting regulatory sites by DNase 1 analysis of the A-Spectrin locus

Bowie High School

Hometown: Bowie, MD

Dr. David Bodine, Preceptor

Genetics and Molecular Biology Branch

342. Hannah E Carlson-Donohoe

The Distal Breakpoint of a 175 Kb Duplication Interrupts IKBKAP, the Gene for Familial Dysautonomia, and Segregates with an Autosomal Dominant Form of Storage Pool Deficiency

Macalester College

Hometown: Bethesda, MD

Dr. Thomas C. Markello,

Dr. William A. Gahl, Preceptors

Medical Genetics Branch

343. Catherine Y Cheng

Mutational Analysis of the Melanoma Genome

Wellesley College

Hometown: Cheshire, CT
Dr. Yardena Samuels,
Dr. Kristin E. Yates, Preceptors
Cancer Genetics Branch

344. Taylor R Davis

Defining the Local Upper Limit of Linkage Disequilibrium Lengths for a Commercial 1.2 Million SNP Genotyping Array across the Entire Human Genome on 47 Controls and 47 Patients Enrolled in the Undiagnosed Diseases Program

Potomac School

Hometown: Bethesda, MD
Dr. Thomas C. Markello,
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Medical Genetics Branch

345. Hillary C Devlin

Broadening-and-Building: The Role of Optimism in Enhancing Communication of Genetic Risk within Families with Lynch Syndrome

College of New Jersey

Hometown: Pennington, NJ
Dr. Laura M. Koehly,
Mr. Donald W. Hadley, Preceptors
Social and Behavioral Research Branch

346. Keolu O Fox

Pharmacogenomics meets clinical practice: Are treatments in sync with theoretical models?

University of Maryland

Hometown: Greenbelt, MD
Dr. Charles N. Rotimi,
Dr. Edward Ramos, Preceptors
Inherited Disease Research Branch

347. Tiffany A Green

Genome-wide linkage study of highly-aggregated lung cancer families yields novel evidence of susceptibility loci on 6p and 8q

University of Georgia

Hometown: Baltimore, MD
Dr. Joan E. Bailey-Wilson, Preceptor
Inherited Disease Research Branch

348. Kirti Johal

The Role of Autophagic Activity in Gaucher Disease

Duke University

Hometown: Fairfax, VA
Dr. Ozlem Goker-Alpan, Preceptor
Medical Genetics Branch

349. Wafa K Khadraoui

Exploring the World of Genetics Blogs: Mapping the Networks and Author

Characteristics

Johns Hopkins University
Hometown: Alexandria, VA
Dr. Susan Persky,
Dr. Colleen McBride, Preceptors
Social and Behavioral Research Branch

350. Pin-Joe Ko

Spatial and Temporal Expression of Methionine Cycle Genes in Zebrafish Development
Montgomery Blair High School
Hometown: Rockville, MD
Mr. Steve Finckbeiner,
Dr. Paul Liu, Preceptors
Genetics and Molecular Biology Branch

351. Kevin M Levine

Developing a new Cell Survival Assay
Washington University in St. Louis
Hometown: Potomac, MD
Dr. Kyungjae Myung, Preceptor
Genetics and Molecular Biology Branch

352. Maggie J Lin

Kidney and Muscle Phenotypes in a Mouse Model of Hereditary Inclusion Body Myopathy
University of Maryland School of Medicine
Hometown: Bethesda, MD
Dr. Marjan Huizing, Preceptor
Medical Genetics Branch

353. Jared Lucas

Informing Policy: The Role of Genetic Variation in Understanding Race, Ethnicity, Health and Disease
Harvard College
Hometown: Bethesda, MD
Mr. Vence Bonham, Preceptor
Social and Behavioral Research Branch

354. Elijah H Martin, Nicholas D Cardillo

Screening Patients with Platelet Storage Pool Deficiencies for Mutations in Rab 32 and 38
Thomas S. Wootton High School
Vassar College
Hometown: Rockville, MD
Honeoye Falls, NY
Dr. Richard Hess, Preceptor
Medical Genetics Branch

355. Sabrina A Mathenia

A Virtual Reality Buffet to Study Parent Feeding Practices Related to Childhood Obesity

Saint Louis University
Hometown: Saint Louis, MO
Dr. Susan Persky,
Dr. Colleen McBride, Preceptors
Social and Behavioral Research Branch

356. Christopher I McHugh

Identification of Compounds that inhibit mTOR signaling as a potential treatment for Lymphangioliomyomatosis
University of Michigan
Hometown: Washington, DC
Dr. Menghang Xia, Preceptor
NIH Chemical Genomics Center

357. Ravi D Nath

Identifying Non-Coding Disease Mutations Using Comparative Genomics
Virginia Polytechnic Institute and State University
Hometown: Centreville, VA
Dr. Tim Hefferon,
Dr. Eric Green, Preceptors
Genome Technology Branch

358. Vann R Newkirk II

Physicians and genetics: The relationship between perceived and actual knowledge
Morehouse College
Hometown: Rocky Mount, NC
Mr. Vence Bonham, Preceptor
Social and Behavioral Research Branch

359. Jennifer Nguyen

Characterizing the Role of Sox17 in Hematopoiesis Using Mutant Zebrafish
George Washington University
Hometown: Clarksburg, MD
Dr. Raman Sood,
Dr. Paul Liu, Preceptors
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360. Valerie A Praggastis

Development of a Novel Assay for the Detection of Barrier Elements in Erythroid Leukemia Cells.
Colby College
Hometown: Sun Valley, ID
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361. Nur M Shahir

Glucocerebrosidase Mutations in Parkinson's Patients
Massachusetts Institute of Technology
Hometown: Woodstock, MD
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Dr. Nahid Tayebi, Preceptors
Medical Genetics Branch

362. Suhas Shekar

Induced T-Regulatory Cell Characterization in Wiskott-Aldrich protein (Wasp) Deficient Mice

Monta Vista High School
Hometown: Cupertino, CA
Dr. Fabio Candotti,
Dr. Marsilio Adriani, Preceptors
Genetics and Molecular Biology Branch

363. Rebecca M Slotkin

Melanoblast Development and Expression in Mouse Models with Neural Crest Diseases

Washington University in St. Louis
Hometown: Washington, DC
Dr. Dawn E. Watkins-Chow,
Dr. Stacie Loftus, Preceptors
Genetic Disease Research Branch

364. Jalia K Tucker

Recruiting African-Americans for Clinical Trials: A Methods and Strategies Analysis

Drexel University
Hometown: Philadelphia, PA
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Social and Behavioral Research Branch

365. Shannon L Wagner

Prosaposin: A Modifier Gene in Gaucher Disease

University of Michigan
Hometown: Novi, MI
Dr. Ellen Sidransky,
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Medical Genetics Branch

366. Kirkland A Wilson

Identification of Novel Mutations in the Human Chediak-Higashi Gene

North Carolina Central University
Hometown: Mechanicsville, VA
Dr. Wendy Westbroek, Preceptor
Medical Genetics Branch

367. Kelly J Wu

Def1's role in mutagenesis

Winston Churchill High School
Hometown: Potomac, MD
Dr. Kyungjae Myung,
Dr. Danielle Dae, Preceptors
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368. Conway Xu

Genomic Analysis of Metabolic Pathways Involved in Cobalamin Assimilation and Branched Chain Amino Acid Oxidation

Montgomery Blair High School

Hometown: Potomac, MD

Dr. Charles P. Venditti,

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369. Laura J Yockey

Interactions of Skin Microbes with Each Other and the Host

Washington University in St. Louis

Hometown: Bethesda, MD

Dr. Lilia Mijares,

Dr. Betsy Grice, Preceptors

Genetics and Molecular Biology Branch

National Institute of Allergy and Infectious Diseases (NIAID)

370. Genevieve Allen

Role of Novel H1N1 and Seasonal Influenza Genes in Viral Replication and Pathogenesis

University of Texas at Austin

Hometown: Washington, DC

Dr. Jeffery Taubenberger,

Dr. Rebecca Dunfee, Preceptors

Laboratory of Infectious Diseases

371. Andrew H Avery

Cloning and Expression of Mouse and Human Lin28 for Binding and Structural Studies

University of Arkansas

Hometown: Silver Spring, MD

Dr. Stefan Muljo,

Dr. Kannan Natarajan, Preceptors

Laboratory of Immunology

372. Lara M Beers

Determinants of morbidity and mortality in Schistosoma mansoni infection

University of Georgia

Hometown: Bethesda, MD

Dr. Margaret Mentink-Kane,

Dr. Thirumalai Ramalingam, Preceptors

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373. Jack Berry

Peptide-conjugated Posphorodiamidate Morpholino Oligomers as Potential Therapeutics in Gram-Negative Bacteria

Williams College

Hometown: Chevy Chase, MD
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374. Mindy L Chen

Cloning and Expression of the TSR Domain from Plasmodium falciparum MTRAP
Winston Churchill High School
Hometown: Potomac, MD
Dr. Matthew Plassmeyer, Preceptor
Malaria Vaccine Development Branch

375. Kyujoo Choi

Interferon-gamma--induced chemokines in murine disseminated candidiasis
Montgomery Blair High School
Hometown: Bethesda, MD
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376. Anna Cushing

Lipid and Glucose Disturbances in Adolescents and Young Adults with HIV Acquired in Early Childhood: A Longitudinal Perspective
Stanford University
Hometown: Chevy Chase, MD
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377. Kristin P Davis

Revisiting Rotavirus Reassortment: Evolutionary Dynamics Revealed Through Sequencing of Clinical Isolates
College of William and Mary
Hometown: Alexandria, VA
Dr. Sarah McDonald,
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378. Meredith E Davis

Rotavirus Nonstructural Protein NSP1 Interaction with the Innate Immune Response Pathway
University of Missouri
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379. Kyle T Doyle

Biological Database Integration
George Mason University
Hometown: Fairfax, VA
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Laboratory of Immunology

380. Daphne Elivert

Using Computational Intelligence to Discover New Knowledge about Lyme Disease

SUNY Buffalo

Hometown: Washington, DC

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Mr. James DeLeo, Preceptors

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381. Brett Fischer

Potent Suppression of MRSA by Chemokines

Tufts University

Hometown: Rockville, MD

Dr. Phillip M. Murphy, Preceptor

Laboratory of Molecular Immunology

382. Ruth J Geller

Impact of a Subsequent, Uninfected Blood Meal on Development of Leishmania major in Putatively Infected Phlebotomus dubosqi Sand Flies

Charles E. Smith Jewish Day School

Hometown: Olney, MD

Dr. Phillip G. Lawyer, Preceptor

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383. Anna Gitterman

Antibody Production From Purified CgPDR1 Protein in Candida glabrata

University of Maryland, Baltimore County

Hometown: Rockville, MD

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Laboratory of Clinical Infectious Diseases

384. Carlie M Hall

Characterization of Chromobacterium violacium Associations with Leukocytes of Chronic Granulomatous Disease

Colorado State University

Hometown: Fort Collins, CO

Dr. Steven Holland,

Dr. Li Ding, Preceptors

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385. Karen R Hasty

Increased interferon signaling in MDA5 transgenic mice

Davidson College

Hometown: Kennesaw, GA

Dr. Steve Crampton,

Dr. Silvia Bolland, Preceptors

Laboratory of Immunogenetics

386. Carolyn J Henderson

Genetic Analysis of Patients with Defective Toll-like Receptor Signaling
Pomona College
Hometown: Silver Spring, MD
Ms. Amy P. Hsu,
Dr. Steven M. Holland, Preceptors
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387. Jonathan J Knowlton

Characterization of novel chemical inhibitors of MHC class I antigen presentation
Colgate University
Hometown: North Salem, NY
Dr. Jack Bennink,
Dr. Brian Dolen, Preceptors
Laboratory of Viral Diseases

388. Kalyani D Kumar

Expression of MHC-A alleles encoded by three different loci in the Pig-Tailed Macaque genome
Poolesville High School
Hometown: Montgomery Village, MD
Dr. Bernard Lafont, Preceptor
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389. Elizabeth A Lawrence

Evaluation of the antimalarial effect of mefloquine and chloroquine combinations in Plasmodium falciparum in vitro cultures
Susquehanna University
Hometown: Sunbury, PA
Dr. Maria Barragan, Preceptor
Laboratory of Malaria and Vector Research

390. Jessica Li

Construction and Modification of Bacterial Expression Vectors for Protein Crystallography
Emory University
Hometown: Germantown, MD
Dr. Tsan Xiao,
Dr. Tengchuan Jin, Preceptors
Laboratory of Immunology

391. Amy W Liu

Influence of Strain Type on Toxoplasmosis Occurrence in Maryland Uveitis Patients
Rice University
Hometown: North Canton, OH
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392. Grace A Maldarelli

Characterization of the major circulating antigen of Wucheria bancrofti
Johns Hopkins University

Hometown: Gaithersburg, MD
Dr. Sasisekhar Bennuru,
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393. Evan K Maxwell

Identifying Key Genes to Characterize Tuberculosis Drug Sensitivity Using a Biclustering Algorithm

Virginia Polytechnic Institute and State University
Hometown: Vienna, VA
Dr. Timothy G. Myers, Preceptor
Research Technologies Branch

394. Kamilah T Muhammad

Do Voriconazole Blood Levels Predict Toxicity?

Morehouse School of Medicine
Hometown: Atlanta, GA
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395. Erin V Nickel

Immune Activation of T Cells in HIV Infection

Virginia Polytechnic Institute and State University
Hometown: Fairfax, VA
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396. Jan H Pachon

Data Analysis and the Importance of the multiphoton microscope in Imaging

Washington University in St. Louis
Hometown: Melrose Park, IL
Dr. Ronald Germain,
Dr. Jackson Egen, Preceptors
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397. Kristin L Peterson

Variation in Response to IFN-gamma in Heterozygous IFNGR1 Deficiency

St. John's College
Hometown: Annapolis, MD
Dr. Elizabeth Sampaio,
Dr. Steven M. Holland, Preceptors
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398. Vibha S Rao

Elucidation of selected divalent metal requirements for the growth of Bacillus anthracis

Gaithersburg High School
Hometown: Gaithersburg, MD
Dr. Clinton E. Leysath,
Dr. Stephen H. Leppla, Preceptors
Laboratory of Bacterial Diseases

399. Kaileen Rohr

Campylobacter infection in X-linked agammaglobulinemia: An assessment of myeloid cell function

Georgetown University

Hometown: Hyde Park, NY

Dr. Sandip Datta, Preceptor

Laboratory of Clinical Infectious Diseases

400. Kara L Shumansky

Viral "Archaeology": Searching for Ancestral Strains of Contemporary Noroviruses Associated with Acute Gastroenteritis

McGill University

Hometown: Bethesda, MD

Dr. Karin Bok, Preceptor

Laboratory of Infectious Diseases

401. Patrick H Taylor

Examination of Simian immunodeficiency virus infected central nervous system tissues in SIV infected Rhesus macaques and the phenotypic analysis of SIV infected cells

Reed College

Hometown: Washington, DC

Mr. Charles Brown,

Dr. Vanessa Hirsch, Preceptors

Laboratory of Molecular Microbiology

402. Hena Thakur

Cloning Expression and purification of TAT-fusion Nef protein mutants of HIV

Thomas S. Wootton High School

Hometown: North Potomac, MD

Dr. Prabha Chandrasekaran,

Dr. Sundararajan Venkatesan, Preceptors

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403. Michael P Walker

To bead or not to bead: Comparison of theoretical and calculated PSFs by confocal microscopy

Quince Orchard High School

Hometown: Gaithersburg, MD

Dr. Owen Schwartz, Preceptor

Research Technologies Branch

404. Lisa Wiggleton

Detection of transmission of asymptomatic N. gonorrhoeae using nucleic acid amplification tests (NAAT)

Tulane School of Public Health and Tropical Medicine

Hometown: New Orleans, LA

Dr. Rebecca Prevots, Preceptor

Laboratory of Clinical Infectious Diseases

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

405. Heather L Edward

Measuring Plasma Cytokines in GB Virus C and HIV-1 Co-infected Individuals

Cornell University

Hometown: Potomac, MD

Dr. Daniel C. Douek,

Ms. Molly R. Perkins, Preceptors

Human Immunology Section

406. Joshua O Marceau

Increase of CD8 T cell cytotoxicity by heterologous prime and boost in RSV vaccination

Pennsylvania State University

Hometown: Charlo, MT

Dr. Barney S. Graham,

Dr. Jie Liu, Preceptors

Viral Pathogenesis Laboratory

407. Sheridan N Renzi

Production and Application of HIV-1 Envelop Cloaks Recognized by CD4 Binding Site Antibodies

National Cathedral School

Hometown: Potomac, MD

Dr. Gary J. Nabel, Preceptor

Vector Core Laboratory

408. Victoria Tappen

FACE: Flow-based Antibody-dependent Cell Cytotoxicity Assay for Ebola Studies

Brigham Young University

Hometown: Gold Canyon, AZ

Dr. Nancy J. Sullivan, Preceptor

Biodefense Research Section

409. Alexander C Vostal

Detection of Antigen Induced Expression of CD154 on Live CD4+ T cells

University of Rochester

Hometown: Kensington, MD

Dr. Joseph Casazza, Preceptor

Immunology Core Laboratory

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

410. Marco A Arias

Use of LV-181a Clone Plasmid to Reduce the Levels of mir181a in CD4+ T-Cells and Monitor FasR Levels

Howard University College of Medicine
Hometown: Annandale, VA
Dr. Richard M. Siegel,
Dr. Madhu Ramaswamy, Preceptors
Autoimmunity Branch

411. Irene C Cai

Kinases as Mechanosensors: Nanomechanical Properties of Kinase Domains
University of North Texas
Hometown: Cumberland, RI
Dr. Jeffrey G. Forbes,
Dr. Kuan Wang, Preceptors
Laboratory of Muscle Biology

412. Daniel T Choquette

The Role of Mouse Colony Management and Genotyping in Scientific Research
Sherwood High School
Hometown: Brookeville, MD
Dr. Rafael Casellas,
Dr. Zhiyu Li, Preceptors
Molecular Immunology and Inflammation Branch

413. Kamila P Clark

IL-17 Production by T-cell Subsets
Glendale College
Hometown: Glendale, CA
Dr. Kamran Ghoreschi, Preceptor
Molecular Immunology and Inflammation Branch

414. Eduardo J Contijoch

Phosphoflow Analysis of STAT Proteins in Whole Blood
Princeton University
Hometown: Boca Raton, FL
Dr. Massimo Gadina, Preceptor
Office of Science and Technology, Engineering and Instrumentation Unit

415. Morgan E Dawkins

The Pathogenesis of Inflammation in TNF Receptor-Associated Periodic Syndrome (TRAPS)
Baldwin School
Hometown: Wynnewood, PA
Dr. Richard M. Siegel,
Dr. Martin Pelletier, Preceptors
Autoimmunity Branch

416. Adriana Gobbo

IL-18 Regulation in Patients with Autoinflammatory Diseases
University of Pennsylvania
Hometown: Chevy Chase, MD
Dr. Raphaela Goldbach-Mansky, Preceptor

Autoimmunity Branch

417. Drew Harmata

Regulation of Local Immune Response via Manipulation of Matrix Composition

University of Virginia

Hometown: Sandy Hook, CT

Dr. Rocky Tuan,

Dr. Caren Aronin, Preceptors

Cartilage Biology and Orthopaedics Branch

418. Kassondra M Meyer

Investigating the possible interaction of proteins Sirt1 and Notch1 in regulating muscle cell proliferation.

Ripon College

Hometown: Two Rivers, WI

Dr. James Ryall, Preceptor

Laboratory of Muscle Stem Cells and Gene Regulation

419. Brian P Muchmore

Mutants of the Fungal Prion Protein HET-s

University of Maryland

Hometown: Potomac, MD

Mr. Ulrich Baxa, Preceptor

Laboratory of Structural Biology Research

420. Samantha M Peters

Display of HIV-1 Epitopes on HBV Nucleocapsid Particles

Georgetown University

Hometown: Flowery Branch, GA

Dr. Stephen Stahl, Preceptor

Protein Expression Laboratory

421. Noe A Turcios

Homozygosity mapping in a family with three children with Periodic Fever, Aphthous stomatitis, Pharyngitis, and cervical Adenitis (PFAPA)

Rochester Institute of Technology

Hometown: BETHESDA, MD

Dr. Elaine Remmers, Preceptor

Genetics and Genomics Branch

422. John-Michael E Williford

The Microenvironment Regulation of Mesenchymal Stem Cell "Stemness"

University of Akron

Hometown: Youngstown, OH

Dr. Juan M. Taboas, Preceptor

Cartilage Biology and Orthopaedics Branch

423. Steven J Witte

Regulation of the IL-23 Receptor in vivo

Central Michigan University

Hometown: Grand Rapids, MI
Dr. Arian Laurence, Preceptor
Molecular Immunology and Inflammation Branch

424. Katherine Y Wu

The effect of stretch on the differentiation of mesenchymal stem cells into keratinocytes
University of Pennsylvania
Hometown: Cupertino, CA
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National Institute of Biomedical Imaging and Bioengineering (NIBIB)

425. Shannon M Cawley

Synthesis of F-18 Maleimide Derivatives for Protein Labeling
Western Connecticut State University
Hometown: Willimantic, CT
Dr. Dale O. Kiesewetter, Preceptor
Positron Emission Tomography (PET) Radiochemistry Group

426. Allison P Del Giorno

Estimating molecular masses from Atomic Force Microscopy topographs: Effects of sample charge and scanning conditions
Liberty High School
Hometown: Eldersburg, MD
Dr. Emilios Dimitriadis, Preceptor
Laboratory of Bioengineering and Physical Science

427. Alicia E Goertel

Infrared and Visible Spectroscopy of Bacteriorhodopsin Photocycles
Thomas Jefferson High School for Science and Technology
Hometown: Annandale, VA
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428. Rachael A Holmes

Optimizing Injection and Separation Voltage Control for Microchip Electrophoresis
Massachusetts Institute of Technology
Hometown: Roswell, GA
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429. Max E Joffe, April N Hyon

Physical Characterization of Quantum Dot and Colloidal Gold Nanoparticles Using Analytical Ultracentrifugation Sedimentation Velocity
University of Maryland
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Hometown: Ellicott City, MD

Chantilly, VA
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430. Michelle Mellenthin

Optimization of Antibody Labeling for Microchip Electrophoresis
Milwaukee School of Engineering
Hometown: Ripon, WI
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431. Mark W Peters

Analytical Ultracentrifugation of Liposomes as a Tool to Study Protein Interactions at Surfaces
University of Maryland
Hometown: Middletown, MD
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432. Joanna P Rys

Atomic Force Microscopy and Force Spectroscopy of a Leading Malaria Vaccine Candidate
University of Minnesota
Hometown: Manhattan, KS
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433. Anh M Tran

Malaria Vaccine Development and a Role for Atomic Force Microscopy
Old Mill Senior High School
Hometown: Odenton, MD
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434. Joshua Chou

Analysis of the Signaling Pathway of the Transcription Factor, Epiprofin, in Tooth Development
Wheaton College
Hometown: Rockville, MD
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435. Sophia Y Deng

Characterization of IA-2 and IA-2 beta in Mouse Taste Buds
Montgomery Blair High School

Hometown: North Potomac, MD
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Oral Infection and Immunity Branch

436. Nina M Farivari

Basic Fibroblast Growth Factor Adenoviral Propagation and its Role in Radioprotection of Salivary Glands

University of Notre Dame
Hometown: Bethesda, MD
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Molecular Physiology and Therapeutics Branch

437. Susan Jin

Mechanisms Involved in Calcium-dependent Endothelial Cell Migration

University of Maryland
Hometown: North Potomac, MD
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438. Caitlin M Klimavicz

Identification of New Autoantigens in Sjögren's Syndrome

Millikin University
Hometown: Bethesda, MD
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439. Billy B Laun II

TGF-Beta Pathway in HNSCC

University of Nebraska Medical Center College of Dentistry
Hometown: Lincoln, NE
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440. Kathleen Maloney

Investigating the Biological Role of Mucin-type O-glycosylation During Drosophila Development

University of Rochester
Hometown: Syracuse, NY
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441. Sudhir Manickavel

Altered microRNA expression profiles during cytokine and hormone stimulation of an in vitro model of Sjogren's Syndrome

Poolesville High School
Hometown: Boyds, MD
Dr. Gabor Illei,
Dr. Ilias Alevizos, Preceptors

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442. Oluwaseyi Motajo

Immunolocalization of TRPC1 and TRPC3 channels in Rat Brain

University of Maryland

Hometown: Hyattsville, MD

Dr. Timothy Lockwich,

Dr. Bill Swaim, Preceptors

Gene Therapy and Therapeutics Branch

443. Julia F Navarro, Matthew E Lopez

Assessment of long-term impact of peripheral RTX on behavior/immunohistochemistry changes

Gaithersburg High School

Hayfield Secondary

Hometown: Montgomery Village, MD

Lorton, VA

Dr. Michael J. Iadarola, Preceptor

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444. Emily L Pinnow

Genotyping TGF-beta R1 knockout mice; the role of TGF-beta in the differentiation of T-cell subsets

University of Puget Sound

Hometown: Cazadero, CA

Dr. Wanjun Chen, Preceptor

Oral Infection and Immunity Branch

445. Lindsey Scholl, Nicholas Madian

Assessment of Long-term Impact of Peripheral RTX on MCP-1 Changes in DRG and SC

Oberlin College

University of Pennsylvania

Hometown: Batavia, IL

Fairfax, VA

Dr. Michael J. Iadarola, Preceptor

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446. Shauna R Woody

Activation of a novel p38-MK2 network controlling mRNA stability by ras in cancer

University of California, San Francisco

Hometown: San Francisco, CA

Dr. J S. Gutkind,

Dr. Kantima Leelahavanichkul, Preceptors

Oral and Pharyngeal Cancer Branch

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

447. Nana-Aishatu U Adamu

The Effect of Epo on Osteoclasts differentiated from monocytes

Xavier University of Louisiana

Hometown: Pine Bluff, AR

Ms. Heather Rogers,

Dr. Constance Noguchi, Preceptors

Molecular Medicine Branch

448. Spencer H Bachow

The GLUT4 Hub: New evidence of a transition site at the plasma membrane involved in GLUT4 recycling.

University of Florida College of Medicine

Hometown: Bethesda, MD

Dr. Samuel Cushman, Preceptor

Diabetes Branch

449. Kelly N Bitsilly

An Analysis of Metabolic Characteristics in Youth Who Develop Type 2 Diabetes Compared with Matched Controls

Hawai'i Pacific University

Hometown: Tohatchi, NM

Dr. Clinton Mason, Preceptor

Phoenix Epidemiology and Clinical Research Branch

450. Adam J Breiner

The effect of Erythropoietin on the proliferation of 3T3-L1 Cells

Gaithersburg High School

Hometown: Gaithersburg, MD

Dr. Ruifeng Teng, Preceptor

Molecular Medicine Branch

451. Bernard A Britton

Search for Proteins that help Hsp104 Chaperone Eliminate Prions

Tuskegee University

Hometown: Nashville, TN

Dr. Daniel Masison, Preceptor

Genetics and Biochemistry Branch

452. Darleen C Castillo

Normalizing a Unique Database of Food Images for a Study of Neural Pathways

University of Puerto Rico, Rio Piedras Campus

Hometown: Rockville, MD

Dr. Kevin D. Hall,

Dr. William K. Simmons, Preceptors

Laboratory of Biological Modeling

453. Diane Cheng

Quantitation of HCV Gene Expression in HCV Transgenic Mice by RT-PCR

Cornell University

Hometown: North Potomac, MD

Dr. Zhensheng Zhang, Preceptor
Liver Diseases Branch

454. Tony J Crank

*Responses of Energy Expenditure and Body Temperature to Variations in
Macronutrients*

University of Alaska Anchorage

Hometown: Phoenix, AZ

Dr. Jonathan Krakoff,

Dr. Marie S. Thearle, Preceptors

Phoenix Epidemiology and Clinical Research Branch

455. Dahvid Davda

NMR Experiments of Soluble Active Mutants of HIV-1 Integrase

University of Connecticut

Hometown: Silver Spring, DC

Dr. Ad Bax, Preceptor

Laboratory of Chemical Physics

456. Brynn B Duncan

*Personality's Role in the Discrepancy between Self-Report and Clinician Diagnosis of
Binge Eating Disorder*

Gettysburg College

Hometown: Bethesda, MD

Dr. Samantha G. Smith, Preceptor

Clinical Endocrinology Branch

457. Megan P Dwyer

Mutational Analysis of the Yeast Separase

Walt Whitman High School

Hometown: Bethesda, MD

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Laboratory of Molecular and Cellular Biology

458. Hillary F Goldman

Guardian of the Genome: DNA Mismatch Repair

Bethesda-Chevy Chase High School

Hometown: Bethesda, MD

Dr. Peggy Hsieh, Preceptor

Laboratory of Molecular Biology

459. Anne E Goodling

*The Effect of Leptin Replacement Therapy on Heights and Weights of Pediatric Patients
with Lipodystrophy*

Messiah College

Hometown: Montgomery Village, MD

Ms. Elaine K. Cochran,

Dr. Phillip Gorden, Preceptors

Diabetes Branch

460. Chenyu Gui

Study of Contact Sites Between the M3 Muscarinic Acetylcholine Receptor and G alpha q

Thomas S. Wootton High School

Hometown: Gaithersburg, MD

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Dr. Jurgen Wess, Preceptors

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461. Harding Hall

Determination of Insulator Behavior in the Epo Receptor gene using Firefly Luciferase

University of Maryland

Hometown: Rockville, MD

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Molecular Medicine Branch

462. Grace R Hsu

The relationship between PPAR-gamma and EpoR in erythroid progenitor cells.

Walter Johnson High School

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Ms. Heather Rogers,

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Molecular Medicine Branch

463. Victor Hsu

Can Serum Cystatin C Outperform Serum Creatinine, a Standard Biomarker for Kidney Function that Underestimates Injury in Sepsis?

Thomas Jefferson High School for Science and Technology

Hometown: Fairfax, VA

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Kidney Diseases Branch

464. Larrica D Hubbard

Effects of Dioxin on Cultured Podocytes

Howard University

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Dr. Shashi Shrivastav, Preceptors

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465. Renee A Hudson

Modulating Scavenger Receptor (SR-B1/SR-BII) Function and NOD Mouse Autoimmune Diabetes Incidence

University of Michigan

Hometown: Detroit, MI

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466. Jacob N Hyde

Overview of Trans-Cranial Direct Stimulation on DLPFC in Subjects Participating in

Weight Loss Study
Southern Utah University
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467. Jonathan E Iadarola

Analysis and Purification of Ligands of Purine and Pyrimidine Receptors by High Performance Liquid Chromatography
Maret School
Hometown: Washington, DC
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468. Kennedy C Iheanacho

The Development of an Accurate and Precise Oxygen Isotope Ratio Mass Spectrometry Method for Limited Sample Sizes
Xavier University of Louisiana
Hometown: Greensboro, NC
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469. Samuel Kim

Functional Analysis of E. coli Small Proteins
Carnegie Mellon University
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Dr. Harris Bernstein,
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Genetics and Biochemistry Branch

470. Daniel B Loriaux

Novel Anti-Beta Cell Autoantibody Testing via Luciferase Immunoprecipitation Detection System (LIPS)
University of Virginia
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471. Natalie Ramsey

Relationship between Innate Immune Response Factors and the Cell Type in Which Their Signaling Occurs in Septic Mice with Acute Kidney Injury
Howard University
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472. Anup B Reddy

Role of TGF- β 1/Smad3 in Hepatic Insulin Resistance
University of Illinois at Chicago
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473. Dana J Reynolds

The Role of Amylin Receptors on Mouse Islets
George Washington University
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Mouse Metabolism Core Laboratory

474. Jeffrey A Siegel

Binding Affinity of Novel Nucleoside Derivatives as Adenosine Receptor Agonists
Johns Hopkins University
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475. Poorva Singal

Do Pathogen Attacks Drive Host Signaling Complexity?
Franklin W. Olin College of Engineering
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476. Alok Swaroop

Comparison of early stages of rod and cone generation in mouse retina using Nrl and TRb2 expression markers
University of Michigan
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477. Hayato L Unno

MG132 and Cyclosporin A modified transduction efficiency with HIV1-based vectors in human hematopoietic cells
University of Maryland
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478. Rachel Wallwork

Deathmatch WT vs. KO: Survival of the Fittest
Swarthmore College
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479. Geoffrey T Wang

1. True Glomerular Filtration Rate in Humans 2. Locomotor Activity and Anxiety in A1AR

and CD73 Knockout Mice
Winston Churchill High School
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480. Abigail D Wank

Pharmacologic ascorbic acid: a pro-drug for hydrogen peroxide-mediated killing of bacteria

Jericho High School
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481. Di, Lisa Yan

Characterization of the Role of Innate Immune Genes in the HCV Life Cycle

Temple University School of Medicine
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Liver Diseases Branch

482. Zijie Yan

Reverse Engineering of Gene Networks

Richard Montgomery High School
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483. Amy S Yang

In Vivo and In Vitro Survival of Helicobacter pylori is SpoT Dependent

Thomas Jefferson High School for Science and Technology
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484. Colette C Young

GFP Knock-in of TORC1 and TORC2 Subunits and their Localization during Dictyostelium Chemotaxis

Bryn Mawr College
Hometown: Bethesda, MD
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Dr. Xin-hua Liao, Preceptors
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485. Marielle C Young

Knock-out and TAP Knock-in of AKT Preferential Substrates PHAPS and SHAPS in Dictyostelium

Columbia University
Hometown: Bethesda, MD
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Laboratory of Molecular and Cellular Biology

National Institute of Environmental Health Sciences (NIEHS)

486. Lingfeng Li

Biomarkers of Juvenile Dermatomyositis (JDM) Aid in Assessing Disease Activity Over Enzymes Alone

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487. Christopher J Addis

Quantitative Analysis of Corpus Callosum in Patients with Klinefelter's Syndrome (XXY)

Bethesda-Chevy Chase High School

Hometown: Kensington, MD

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488. Mariam T Alaka

Meta Analysis of Gene Expression Profile from Traumatic Brain Injury, Ischemia, and Spinal Cord Injury to Reveal Common Pathways for Neuronal Protection

Illinois Math and Science Academy

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489. Timothy Allen

Implicit emotional face processing in youth with bipolar disorder, severe mood dysregulation, and controls

Colgate University

Hometown: Tonawanda, NY

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Mood and Anxiety Disorder Research Program

490. Leila J Ameli-Grillon

In Vivo Measures of Mood Fluctuation and Motor Activity

College of Charleston

Hometown: Kensington, MD
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491. Alexander S Bae

Driven Equilibrium Single Pulse Observation of T1 (DESPOT) at 3 Tesla
Montgomery Blair High School
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492. Wilma Bainbridge

Differential Effects of Muscarinic M1 and M2 Receptor Subtypes on Visual Recognition Memory in Monkeys
Yale University
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493. Robiat A Balogun

Virtual Spatial Navigation under Threat Of Shock
Towson University
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494. Monique Barrios

Generalization of conditioned fear-potentiated startle in humans: Retention of Generalized Fear
Duke University
Hometown: Washington DC, DC
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495. Richard J Braxton

TNF-alpha Signaling Through the Type 2 Receptor in Chromaffin Cells: Expression Profile Analysis
Marist High School
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496. Mohammad O Bukhari

Positron Emission Tomography and Bipolar Disorder: Imaging for the Detection of the Protein Kinase C
University of Maryland, Baltimore County

Hometown: Germantown, MD
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Molecular Imaging Branch

497. Julia Chartove

Quantitative Analysis of Corpus Callosum in Autistic Adolescents
Richard Montgomery High School
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498. Rinal M Choksi

White Matter Hyperintensities and Depression
University of Virginia
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499. Jontel M Dansby

Delta Opioid Receptor Agonist: Possible Treatment for AMDD
Howard University College of Medicine
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500. Ann M Decker

Intrasubject Variability in Response Time to Emotional Faces in Youth with Attention Deficit Hyperactivity Disorder, Bipolar Disorder, and Severe Mood Dysregulation
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501. Nikki Duong

Olfactory Sensitivity in People with Mood Disorders
University of Maryland
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502. Vy T Duong

Sex Differences in Migraine
Rockville High School
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503. Bilqis Fassassi

A Historical and Neurobiological Perspective of Adolescence

Duke University
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504. Michael Feldman

The Differential Antidepressant Effects of the Cholinergic Muscarinic Blocker Scopolamine on Clinical Subtypes of Mood Disorders

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505. Nicholas J Huang

Differentiating Motor Control Directionality with Magnetoencephalography

University of Rochester
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506. Alexis Kington

The Effects of Stimulus Familiarity on Plasticity of Face Perception

University of Pennsylvania
Hometown: Wake Forest, NC
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507. Basheer J Kokaja Zada

SREB2 Polymorphisms Influence on Medial Temporal Lobe Structure and Function in a Group of Normal Volunteers

Virginia Polytechnic Institute and State University
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508. Krishna V Kunche

A Data Warehouse for Storage and Genome-wide Analysis of Childhood-onset Schizophrenia

University of Minnesota
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509. Daniel P Lakin

Neuroanatomic Correlates of Becoming Depressed in Children

Kenyon College
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510. Gabrielle M Lalonde

Morphometric Analysis of Midline Callosal Area in Childhood Onset Schizophrenia

Poolesville High School

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511. Alison E Lenet

Streptococcal Titers and Symptom Severity in the Characterization of Childhood OCD

Weill Cornell Medical College

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Dr. Paul Grant, Preceptor

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512. Jay Levin

Environmental Enrichment Confers Resiliency in Animals Exposed to Stress: Functional Examination of Forebrain Circuitry

Warren Alpert Medical School of Brown University

Hometown: Olney, MD

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513. Laura Li

Comparison of Retroviral Infection of Terminally Differentiated Cells

University of Maryland

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514. Kaitlin E Lockhart

Increasing Sensitivity to Change in Clinical Trials Evaluating Rapid Onset Depression Response

Northern Virginia Community College

Hometown: Purcellville, VA

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515. Jessica Mavadia

MR Visualization of Connections of the Primate Pulvinar using Manganese as an Anatomical Tracer

New Jersey Institute of Technology

Hometown: Edison, NJ

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516. Andrea B Moderi

Comparing in-house acute marker methodologies for assessing inflammation in rhesus macaques (Macaca mulatta)

Tufts Cummings School of Veterinary Medicine
Hometown: Needham, MA
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Dr. James M. Raber, Preceptors
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517. Parisa Moghaddam-Taaheri

Positional Effects on the Retention of an Epitope Tag in a Multi-Membrane Spanning Protein

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518. Jasmine M Morgan, Sonia Cardenas

Development of an inducible mouse model of q22 syndrome, a neurodevelopmental disorder

University of Virginia
Springbrook High School
Hometown: Vienna, VA
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Transgenic Core Facility

519. Matthew C Morris

Isolation of a microRNA from the Testicular Spliceoform of the Mouse Vasopressin (AVP) Gene

Concord University
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520. Katherine G Nabel

Brain-Derived Neurotrophic Factor (BDNF) Genotype and Individual Variation in Human Brain Function and Personality

National Cathedral School
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521. Dhruv N Patel

Effect of Uncertainty on the Startle Reflex in Children

Charles Herbert Flowers
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522. Cynthia S Peng

Scene Categorization and Discrimination in Human Extrastriate Cortex
Carnegie Mellon University
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523. Mora V Puertolas

Abnormal Hippocampal Theta Activity During Spatial Navigation In Bipolar Depression: A Magnetoencephalography Study
New York University
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524. Rachael L Rogers

The influence of dysbindin, a schizophrenic risk gene, in the development of dendritic spines.
Elizabeth Seton High School
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525. Sebastian T Rowland, Kimberly G Yuang, David E Deutsch

Ubiquitin As an Aid in the Diagnosis of Neurodegenerative Diseases
University of Pennsylvania
Winston Churchill High School
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526. Nora L Sandler

Delineation of Target mRNAs of Brain-specific MircoRNA-338 in Sympathetic Neurons
Richard Montgomery High School
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527. Qu Tian

The acute effects of exercise on fMRI signal changes associated with brain activation task and resting state
University of Wisconsin - Milwaukee
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528. Annie Toulmin

Neural Correlates of Parametric Modulation of Working Memory

University of Virginia
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529. Brian Weisinger

The Effects of Clozapine and Olanzapine on Cortical Thickness in Childhood-Onset Schizophrenia

University of Houston
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530. Drake W Williams

Examination of Dopaminergic Axon Density, Morphology, and Distribution in Arc and COMT Knockout Mice

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531. Lindsay E Wood

The Role of Contextual Bias on Facial and Scene Processing in the Human Visual Cortex

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532. Paula Wu

fMRI responses to breathing challenges and the Valsalva Maneuver

University of California, Los Angeles
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533. Jessica X Yuan

Prospective Links between Diet and Migraine

Walter Johnson High School
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534. Shiwei Zhou

Sleep Disturbances in the General Population

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535. John V Abraham

Dopaminergic Influence on the Recruitment Curve of Patients with Parkinson's Disease

Florida State University

Hometown: Davie, FL

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536. Joshua M Aizen

Changes in the posterior parietal cortex – primary motor cortex pathway induced by motor training

University of Maryland

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537. Alexandra M Bandeian

Single cell cloning from human neural progenitor cells

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538. Bina B Bansinath

Neural Substrates of Optimal Procedural Learning: A Behavioral, VBM, and DTI study

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Human Cortical Physiology Section

539. Nicholas M Bashour

Progesterone Increases Gonadotropin Hormone Releasing Hormone-1 (GnRH-1) Neuronal Activity

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540. Nathalie R Bearden

Determination of Cyclooxygenase-1,2 enzymatic activities in the brain of spontaneously hypertensive rats

Missouri State University

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541. Maria Bellumori

Assessment of Neuromuscular Function in Patients with Primary Lateral Sclerosis

University of Delaware

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542. Daniel S Birnbaum

Immunoglobulin Reactivity to Normal and Oxidized Human Myelin in Patients with Multiple Sclerosis

Kansas City University of Medicine and Biosciences

Hometown: Kansas City, KS

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543. Rishitha Bollam, Giancarlo Suffredini

Studies of the Pathophysiology of Syringomyelia

Thomas Jefferson High School for Science and Technology

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544. Lauren E Brandes

Changes in left and right motor cortex excitability after transcranial direct current stimulation

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Human Cortical Physiology Section

545. Christina Chen

Detecting cortical lesions in post-mortem patients with multiple sclerosis using 3 Tesla and 7 Tesla Magnetic Resonance Imaging

Duke University

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Neuroimmunology Branch

546. Masako Z Chen

Proteomic Profile of Fibroblasts from Patients with Gaucher Disease

Georgetown University

Hometown: Madison, CT

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547. Nina Chen

An investigation into the correlation between MRI findings and clinical presentation in patients with amyotrophic lateral sclerosis
University of Virginia School of Medicine
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548. Tony T Chen

The role of PARP-1 in an in vitro model of ischemia
Duke University
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549. Linda Chiang

Erythropoietin Receptor Pathway Activation in VHL Tumors
Thomas Jefferson High School for Science and Technology
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550. Morgan B Clinton

Subtyping Corticobasal Syndrome Patients via Star Glyph Representation
University of South Carolina
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551. Caitlin Collins

Biofeedback-Controlled Treadmill and Virtual Reality System for Analysis of Gait Freezing Behavior in Parkinson's Subjects
Yale University
Hometown: Bethesda, MD
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Medical Neurology Branch

552. Tasha L Cornish

Genetic Regulation of Cell Proliferation During Eye Development
Cedar Crest College
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553. Manori De Alwis

Multiple Sclerosis Lesion Portrayal in 7T Magnetic Resonance Imaging
Walter Johnson High School

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554. Faye Fong

Development of an induced pluripotent stem cell (iPS) line from a Multiple Sclerosis patient

Dartmouth College
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555. Anastasia A Ford

Voxel-Based Morphometry and Diffusion-Weighted Measures in Benign Essential Blepharospasm

University of Florida
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556. Nelson Fu

Respiratory Rhythm and the Pacemaker Neuron

Woodbridge Senior High School
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557. Edwin Fung

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

Johns Hopkins University
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558. Darya A Gakh

Movement and Dopamine: Mechanisms of Drug-induced Rotation in the Parkinsonian Rat

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559. Alexander P Gilbert

CSF Suppressed Quantitative T2 Mapping of the Brain at 1.5T and 3.T

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560. Phillip M Grant

Power and Same Size Estimation Resource
Gannon University
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561. Liat Gutin

The lateralized effect of transcranial direct current stimulation on intracortical networks
University of Maryland
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562. Jailan Hanafy

The Relation Between Inflammation and Neurodegeneration During Therapy With Interferon In Patients With Multiple Sclerosis
University of Illinois at Chicago
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563. Sean E Heaton

Robotic Arm Therapy in Performance of 3 Dimensional Tasks in Chronic Stroke Patients
Skidmore College
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564. Laura A Hickey

Early Markers of Active Lesions Predictive of Worse Lesions Evolution in Multiple Sclerosis: A Retrospective Study On Up to 144 Magnetic Resonance Imaging
McGill University
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565. Daniel R Holohan

Effects of Early Embryonic Transcription Factors on the Adult Gastrointestinal Tract
Thomas Jefferson High School for Science and Technology
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566. Daniel Kalowitz

Correlation between Clinical Rating and Computerized Analysis of Essential Tremor Spirography

University of Maryland

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Medical Neurology Branch

567. Kara A Kaufman

Interactions of the SMN Protein in Nerve and Muscle

Brown University

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568. Linda Kelahan

Effects of Reversible Naris Occlusion on the Olfactory System

George Washington University School of Medicine

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569. Lucy Boyce Kennedy

Daclizumab therapy induces differentiation of human lymphoid tissue inducer (LTi)-like cells into CD56bright NK cells

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570. Kristen M Klepac

Detecting Reward Signals in the Motor Cortex using TMS

Dartmouth College

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571. Adam J McDaniel

Determination of near neighbors in the post synaptic density using cross-linking strategies

Brigham Young University Idaho

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572. Mitra L Miri

Colony assay for hematopoietic progenitor cells toward B lymphocyte production

Yale University

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573. Brent Morel

Functional Localization of Brain Regions Associated with Suppression of Natural Urges Using Real-time fMRI

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574. Felacita L Nez

Manipulation of Spi-B Expression in Cells of Various Susceptibilities to JC Virus Infection

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575. Melinda G Paul

Neural Correlates of Moral Beliefs

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576. Sarah J Pulaski

Neural Correlates of Trust Using a VBM Approach

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577. Justin Scharf

Analysis of Neuromagnetic Signals in Traumatic Brain Injury: A BCI Case Report

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578. Aaron J Shapiro

Voxel-Based Morphometry in Motor Neuron Disease

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579. John E Shen

Inhibition of serine/threonine phosphatase PP2A enhances cancer chemotherapy

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580. Michael J Shen

Characterization of FRET Efficiency Using 3-cubed FRET

Johns Hopkins University

Hometown: Baltimore, MD

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581. Lauren M Sigman

Using the Mirror Neuron System to Explore Implicit and Explicit Learning

Mount Holyoke College

Hometown: Austin, TX

Dr. Aviva Ellenstein,

Dr. Mark Hallett, Preceptors

Medical Neurology Branch

582. Amita Srivastava

Neural Correlates of Decision Making in Medical Ethics

University of Maryland

Hometown: Potomac, MD

Dr. Aron K. Barbey, Preceptor

Cognitive Neuroscience Section

583. Sreya Talasila

Does Motor Disability Correlate with Functional Independence and Quality of Life in Parkinson's Disease?

George Washington University

Hometown: Washington, DC

Dr. David Benninger, Preceptor

Medical Neurology Branch

584. Kimberly A Varvel

Evaluation of HIV-1 Clade-Specific Tat Protein on JC Virus Infection in vitro

University of Montana

Hometown: Fuquay Varina, NC

Dr. Eugene O. Major, Preceptor

Laboratory of Molecular Medicine and Neuroscience

585. Gaurav G Venkataraman

Neural Substrates Involved in Real Time fMRI-Based Neurofeedback during Finger Tapping and Imagery Tasks

Reed College
Hometown: Bloomfield Hills, MI
Dr. Brian D. Berman, Preceptor
Medical Neurology Branch

586. Max J Vinograd

Guided Cell Motility Using Magnetic Fluorescent Microparticles
Catawba College
Hometown: Bethesda, MD
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587. Pragun Vohra

CD57 (HNK-1) Identifies a Population of Intermediate Neural Progenitor Cells Which are the Primary Source of Cortical Neurons
University of Maryland
Hometown: Potomac, MD
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588. Jessica M Walthall

Intention without action: an EEG study of the sense of agency
Duke University
Hometown: Olney, MD
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Dr. Cecile Gallea, Preceptors
Medical Neurology Branch

589. Veronica R Watters

Sensory Sensitivity in Tourette Syndrome
Princeton University
Hometown: Princeton, NJ
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Medical Neurology Branch

590. Jessica Zhang

Analysis of MMSE and MOCA Data in Parkinson's Patients
Brandeis University
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591. Jiren Zheng

Regulation of Neurofilament-M/H Phosphorylation By Peptidyl Prolyl Isomerase 1 (Pin1). Implications in Neurodegenerative Disorders
University of Maryland
Hometown: Germantown, MD
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National Institute of Nursing Research (NINR)

592. Senait D Ankerso

The association of sleep, interleukin-6, and cortisol in healthy adults
University of Maryland Eastern Shore
Hometown: Princess Anne, MD
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593. Sarma R Klimanis

AKAP7: A Novel Candidate for Blood Brain Barrier Disruption
Florida State University
Hometown: Silver Spring, MD
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594. Allison Koutsandreas

Reduced Reactivity to Trauma Reminders Following Hydrocortisone in PTSD
University of Pittsburg
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595. Caroline Morris

The effect of nucleoside analog therapy on symptoms in patients with chronic hepatitis B virus.
West Virginia University
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596. Marlon G Saria

A Comparison of Proinflammatory NF-kB-Dependent Cytokines in Oral Fluids and Plasma from Adults with Oral Chronic Graft-versus-Host Disease
University of California, Los Angeles
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597. Adefunke T Adeyeye

Mapping the Region that PARP Binds to OGG1

University of Houston

Hometown: Humble, TX

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598. Marie D Anderson

Targeting Estrogen-Related Receptors Alpha and Gamma with Tamoxifen Derivatives

Spelman College

Hometown: Fort Washington, MD

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599. Omozusi E Andrews

Evolutionary Conservation of RAG1/RAG2 Recombinase Activity

University of Maryland Eastern Shore

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600. Ndang N Azang-Njaah

The Effect of the Duration of Ultrasound Treatment on Chondrocyte Metabolism

University of Maryland

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601. Jakita Baldwin

Base Excision Repair Proteins' Function and Intracellular Localization Dynamics

Hampton University

Hometown: Chicago, IL

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602. Andrea Bankoski

Sedentary Behavior and Metabolic Risk in Older Adults

George Mason University

Hometown: Springfield, VA

Dr. Tamara Harris,

Dr. Annemarie Koster, Preceptors

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603. Grace A Blair

DNA Methylation Patterns in Mouse Aging

Towson High School

Hometown: Lutherville, MD

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Laboratory of Genetics

604. Robert H Bonow

Effects of COX-1 genetic deletion on neuroinflammation-induced changes in blood brain barrier tight junction proteins

Tufts University

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605. Meghan Brown

Changes in Synaptic Proteins in Aging and Alzheimer's Disease

University of Southern California

Hometown: Oakton, VA

Dr. Uri Ashery, Preceptor

Laboratory of Neurosciences

606. Christopher Chen

Discovering the Link Between Knee X-Rays and Gait Using Computer Image Analysis

Cornell University

Hometown: Ellicott City, MD

Dr. Ilya Goldberg,

Dr. Lior Shamir, Preceptors

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607. Sean Chester

Microarray Analysis of the Genes Affected by the Histamine H4 Receptor in the 1321N1 Astrocytoma Cell Line

New Mexico Institute of Mining and Technology

Hometown: Albuquerque, NM

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608. Samuel E Clamons

Automated quantification of mitochondrial morphology in DJ-1 deficient cells

Thomas Jefferson High School for Science and Technology

Hometown: Clifton, VA

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609. Natalie Commins

Bone Density, Hormone Levels and Spinal Abnormalities in Vascular Ehlers-Danlos Syndrome and Marfan Syndrome Patients

Denison University

Hometown: Fairfax Station, VA

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610. Dana Lee Daley

The Role of Membrane-Bound Nitrite-Reacted Hemoglobin in the Release of Nitric Oxide

Oakwood University
Hometown: Baltimore, MD
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Molecular Dynamics Section

611. Alcinda Flowers

Comparative Study of Epidermal Stem Cell Markers in Hair Follicles and Sweat Glands
Indiana University School of Medicine
Hometown: Indianapolis, IN
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Dr. Chang-Yi Cui, Preceptors
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612. Kriti D Gandhi

A Comparison of the Effects of Running and Environmental Enrichment on Neurogenesis and Behavior
McGill University
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613. Donna W Gilchrist

Characterization of a Novel Transgenic Mouse Model that Overexpresses the PD Related LRRK2 and the Microtubule Associated Tau
University of North Carolina at Pembroke
Hometown: Marietta, NC
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614. Miranda R Gordon-Zigel

Production and Activity Testing of RNA-Binding Chemokines from Pichia pastoris
Bryn Mawr College
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Laboratory of Immunology

615. Erin L Gunter

The Effects of Variable Ghrelin Expression on Melanoma Cell Motility and Signaling
American University
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616. Louis N Gutin

Chromatin Remodeling During Neuronal Precursor Cell Formation
Community College of Baltimore County
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617. Timothy J Hohman

Subjective Cognitive Complaints and Changes in Regional Brain Volume
American University
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618. Akihiro C Ko

The Quantitative Analysis of the Effect of Methionine Restriction on Claudin mRNA in Rat
Dulaney High School
Hometown: Cockeysville, MD
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619. Shauna T Linn

Persistent Racial/ethnic Disparities in Influenza Vaccination Coverage among Adults over Age 50
Johns Hopkins University
Hometown: Baltimore, MD
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620. Jason A Loiland

Biochemical characterization of FANCD1 helicase mutations that cause Fanconi Anemia and Breast Cancer
University of Maryland, Baltimore County
Hometown: Bel Air, MD
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621. Albert T Lwin

Calcium at the heart of matching contraction and respiratory drive in cardiomyocytes
Johns Hopkins University
Hometown: Columbia, MO
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Dr. Yael Yaniv, Preceptors
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622. Rhonda L McClure

Effects of Multiple B-cell Stimulators on Class Switch Recombination and AID expression
University of North Carolina at Pembroke
Hometown: New Brighton, PA
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623. Dervla N McDonnell

Microtomography and 3-D Reconstruction of Murine Vascular Pathology

St. Paul's School for Girls

Hometown: Timonium, MD

Dr. Mark Talan, Preceptor

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624. Vinod Nimmagadda

Using a Computer Vision approach to determine the phenotypic variance in a whole-genome gene-knockdown screen

River Hill High School

Hometown: Baltimore, MD

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Dr. David M. Eckley, Preceptors

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625. Rahul N Patel

MFG:E8 Good or Bad?

University of Maryland, Baltimore County

Hometown: Germantown, MD

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626. Timothy S Pillsbury

Promoter Regulation of Placenta Specific Gene, PLAC1

Archbishop Curley High School

Hometown: Linthicum, MD

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627. Shweta Shukla

Can inhibition of the degradation of intracellular cAMP rescue the old tired heart's pacemaker?

Dulaney High School

Hometown: Cockeysville, MD

Dr. Jie Liu,

Dr. Edward G. Lakatta, Preceptors

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628. Avi B Silber

Two Stress, Three Stress, ROS Stress, Heat Stress... Are Cellular Responses to Heat and Oxidative Stress Integrated or Insulated?

Washington University in St. Louis

Hometown: Silver Spring, MD

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Laboratory of Neurosciences

629. Shakima St.Clair

Measurement for oxidative-base lesions in mice during aging.

Barry University

Hometown: Washington, DC

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Mr. David Rhee, Preceptors

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630. Jennifer Timothee-Oliveras

Induction of NRF2 in vitro by a novel sirtuin activator

Ponce School of Medicine

Hometown: San Juan, PR

Dr. Rafael deCabo, Preceptor

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631. Bhavana S Vangara

Green with RAGE: Using split GFP to monitor RAGE oligomerization in living cells

University of Florida

Hometown: Palm Harbor, FL

Dr. Li Lin,

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632. Peter J Weng

The Effect of Nectarine on the Life Span of Drosophila melanogaster

Centennial High School

Hometown: Ellicott City, MD

Dr. Sige Zou,

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633. Christina S Wu

Telomerase and Human T Cell Function

Centennial High School

Hometown: Baltimore, MD

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Laboratory of Immunology

634. Joe X Xie

Biosynthesis of Marinobufagenin: Are There Any Similarities Between Higher and Lower Vertebrates?

University of Toledo

Hometown: Saline, MI

Dr. Alexei Bagrov,

Dr. Olga Fedorova, Preceptors

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635. Daniel B Yaeger

The heart's pacemaker cells in the "glove of the fox"

Willamette University

Hometown: Portland, OR

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636. Peter H Yang

Benefits of Electroconvulsive Shock Therapy on an Alzheimer's Disease Model
Johns Hopkins University
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637. Hanci Zhang

Surgical Complications in Patients with Vascular Ehlers-Danlos Syndrome
Washington University in St. Louis
Hometown: Cockeysville, MD
Dr. Nazli McDonnell, Preceptor
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638. Sean M Zohorsky

Role of p70S6K1 in Mitochondrial Respiration
University of Dallas
Hometown: Ellicott City, MD
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National Institute on Alcohol Abuse and Alcoholism (NIAAA)

639. Kyle R Biesecker

Genome Wide H3K36 Profiling in Neural Precursor Cells
St. Olaf
Hometown: Bethesda, MD
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640. Yue R Gao

Mechanism of the cell death induced by AZT in cardiomyocytes
Thomas S. Wootton High School
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Laboratory of Physiologic Studies

641. Yupeng Gao

Hepatic STAT3 plays a hepatoprotective role in carbon tetrachloride-induced chronic liver injury
Centennial High School
Hometown: Ellicott City, MD
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642. Duk Y Hyun

High-throughput Analysis of Umbilical cord Serum Fatty acid by Robotic Transesterification and Fast Gas Chromatography: Community samples from Avon Longitudinal Study of Parents and Children (ALSPAC)

University of Maryland

Hometown: Ellicott City, MD

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643. Bitu Joobbani

Altered Gene Expression Profiles in Mouse Cortical Stem Cells after Ethanol Exposure

University of Maryland

Hometown: North Potomac, MD

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644. Hayley A Kuhn

Developmental Characterization of a Potentially Novel Population of Interneurons in GAD65-eGFP Mouse Cerebellum

University of Massachusetts Amherst

Hometown: Gaithersburg, MD

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645. Nathan J Lyman

Optical Isomer Resolution of 1,3-Butanediol using Derivatization and Supercritical Fluid Separation

University of Maryland

Hometown: Rockville, MD

Mr. Michael T. King, Preceptor

Laboratory of Metabolic Control

646. Naikhoba C Munabi

Is altered Retinoic Acid Receptor DNA binding in neuronal stem cells involved in the development of craniofacial defects associated with Fetal Alcohol Syndrome?

Stanford University

Hometown: Wynnewood, PA

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647. Bianca A Noronha

Effects of Prefrontal Cortex Inactivation on Fear and Extinction in Mice

Academy of the Holy Cross

Hometown: Rockville, MD

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648. Vivek R Patel

Role of cannabinoid 2 (CB2) receptor in cisplatin-induced nephrotoxicity

George Washington University

Hometown: Rockville, MD
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649. Matthew W Pease

Striatal mediation of discrimination learning and cognitive flexibility in mice
Duke University
Hometown: Springfield, VA
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650. Anita M Rao

Identifying Differential Gene Expression Patterns in Fetal Alcohol Syndrome Children
College of New Jersey
Hometown: Harpers Ferry, WV
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651. Jihan Ryu

Effects of Alcohol Treatment on the Sense and Antisense Transcriptomes of Neural Stem Cells
Dartmouth College
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652. Charlotte M Schwarz

CSA and CSB Interactions: A Molecular Modeling Approach
Duke University
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653. Alyssa Todaro

Effects of D-Serine on Ethanol Intoxication in Mice
Pennsylvania State University
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654. Karina J Yu

Modeling Changes in the Omega-3 and Omega-6 Fatty Acid Composition of US Military Foods
Troy High School
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National Institute on Deafness and Other Communication Disorders (NIDCD)

655. Laize F Barcelos Corse

Audiologic Phenotype in Individuals with Neurofibromatosis Type 1

Towson University

Hometown: Towson, MD

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656. Matthew D Chang

Gene Expression of Eph-Ephrin Complexes in the Inner Ear

Cornell University

Hometown: Rockville, MD

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657. Jeechee Chen

Bioinformatics analysis of target genes regulated by Nuclear Factor-kappa B and p53 family members

Montgomery Blair High School

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Head and Neck Surgery Branch

658. Julie Chen

Visualizing neuronal connections in the mouse cochlear nucleus

Oberlin College

Hometown: Sunnyvale, CA

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Section on Synaptic Transmission

659. Theodore M Chen

A Large-Scale Neural Model of Auditory Processing: Simulating fMRI and MEG Data

Georgia Institute of Technology

Hometown: Atlanta, GA

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Voice, Speech and Language Branch

660. Alyssa R Huebner

Sobp regulates cellular patterning in the mammalian cochlea

Florida Southern College

Hometown: Largo, FL

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661. Sucheta S Ravindran, Deborah J Mueffelman

What's in a narrative: persistent patterns of discourse deficiencies in well-recovered

aphasia
Boston University
Appalachian State University
Hometown: Hanover, MD
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662. Aaron C Abajian

Diffusion MRI registration and its application to analyzing the white matter integrity of cocaine addicts
University of California, Irvine
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663. Maggie A Allen

Therapeutic Strategies for Smoking Cessation
Ohio Northern University
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664. Jennifer Bai

Epigenetic Regulation of Histones by Methamphetamine in the Striatum
Dulaney High School
Hometown: Baltimore, MD
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665. Kiara Benson

Role of food type in preference for palatable food in rats
Union County Magnet High School
Hometown: Roselle, NJ
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666. Ross W Bittman

Pharmacological Evaluation of Novel Opioid Mu Receptor Inverse Agonists
Johns Hopkins University
Hometown: Baltimore, MD
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Chemical Research Biology Branch

667. Sharell Bryant, Jessica Brannock

Detection of histone modifications in the nucleus accumbens after methamphetamine administration

Germantown Friends School
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Hometown: Baltimore, MD
Baltimore, MD
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668. Emily C Dabe

The Role of CB Receptors in Place Conditioning Effects of Delta(9)-tetrahydrocannabinol

University of Illinois at Urbana-Champaign
Hometown: Baltimore, MD
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669. Abhinav Datti

The Role of the Dopamine, Serotonin and Norepinephrine Transporters in the Aversive Effects of Cocaine

Palm Beach Gardens High School
Hometown: Palm Beach Gardens, FL
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670. Matthew L Davis

Identification of Novel Allosteric Modulators of the Dopamine Transporter. II.

Montana State University
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671. Rachel A Flygare

Changes in Cardiovascular Response to Acute Methamphetamine Challenge During Abstinence After Long-Term Drug Exposure in Non-Human Primates

Brigham Young University
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672. Emily Gerry

Identification of Novel Allosteric Modulators of the Dopamine Transporter I

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673. Deionna Hill

Studies on Nicotine Conditioned Place Preference

Baldwin School

Hometown: Darby, PA

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674. Ekaterina B Ivanova

"Potential role of neuronal pentraxin-1 in nigrostriatal dopaminergic system degeneration"

University of Maryland

Hometown: Rockville, MD

Dr. Toni Shippenberg,

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675. Angie Kao

Methamphetamine (METH)-induced delayed Regulation of the Expression of transcription factors in the Rat Cortex

University of Illinois at Urbana-Champaign

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676. Brian R Katz

The Effect of Nicotine on Locomotor Activity in Rats

Atholton High School

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Behavioral Neuroscience Branch

677. Anna Kharaz

Behavioral sensitization after a single administration of cocaine

Brandeis University

Hometown: Monroe, CT

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678. Rebecca H Lange

Breath Carbon Monoxide and Cotinine as Biomarkers to Distinguish Smokers From Nonsmokers

Bates College

Hometown: New York, NY

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Clinical Pharmacology and Therapeutics Research Branch

679. Benjamin A Levy

Design and synthesis of novel dopamine D3 receptor-selective ligands
Pomona College
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680. Tom Liang

Dopamine clearance in rats receiving high dose methamphetamine
Johns Hopkins University
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681. Michael J Loo

The Effects of Mesencephalic Astrocyte-Derived Neurotrophic Factor (MANF) on Methamphetamine Induced Toxicity
Temescal Canyon High School
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682. Sean S Mansoory

The Role of Neuronal Pentraxin I in Parkinson's Disease
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Dr. Toni Shippenberg, Preceptor
Behavioral Neuroscience Branch

683. Yolanda C Martin

Self-Reported Triggers Involved in Drug Use and Craving: Ecological Momentary Assessment (EMA) among Methadone-Maintained Outpatients
Graduate Center, City University of New York
Hometown: New York, NY
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Dr. Jean L. Cadet, Preceptors
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684. Madeleine-Joy M Mateo

Context Specific Regulation of Haloperidol Induced Fos in Rat Brains
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685. Samara A Morris Bobzean

Effects of Rimcazole on Nucleus Accumbens Shell Dopamine Transmission
University of Texas at Arlington
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686. Rehan U Muhammad

Utilizing Functional MRI in Conscious Rats: Developing Behavioral Habituation and Head-Body Restraint Procedures

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687. Isabela Negrin

Comparison of AAV serotypes for transduction after intracisternal injection

University of Pittsburgh

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688. Sarah C Ney

A comparison of benzotropine analogs with drugs used in treatment of ADHD: a study of impulsivity in rats

University of Mary Washington

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689. Rebecca Nichols

The effects of bone morphogenetic protein-7 on cortical neuron morphology in vitro

University of Maryland

Hometown: Annapolis, MD

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690. Urennaya Okoro

Glutamatergic Neurons in the Lateral subdivisions of the Ventral Tegmental Area

Colony High School

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691. Asha A Poles

Involvement of the Amino Acid Transporter Gene V73 in Food Consumption as Assessed with V73 Knockout Mice

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Hometown: Willow Grove, PA

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692. Helen T Queenan

Effects of Chronic Ethanol Exposure on Glutamate Concentration in Prefrontal Cortex and Hippocampus Measured by Magnetic Resonance Spectroscopy (MRS) in Rats

Dedham Country Day School
Hometown: Wellesley, MA
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693. Nicolette A Riley

Identifying the Striatal Projection Coming from the Orofacial Motor cortex by ERK phosphorylation

Germantown Friends School
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694. Peter J Riley

The Impact of Methadone Maintenance on Body Mass Index (BMI) and Lipid Profile in a Cocaine and Heroin Using Population

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695. Anthony L Rooks, Scott L Johnson

Methamphetamine preconditioning: Differential effects on signal transduction genes in the striatum and SN/VTA areas of the rat brain.

Gilman
Gilman
Hometown: Baltimore, MD
Baltimore, MD
Mr. Michael T. McCoy,
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696. Jared M Seifter

Amphetamine Administration into the Medial Olfactory Tubercle Causes an Increase in Actions that Are Reinforced by Unconditional Visual Cues

Centennial High School
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697. Julian L Spearman

Cocaine Induced Fos In Mice Sensitized In a Novel Environment

Whitney Young High School
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698. Trisha St-Fleur, Munanchu Poudel

Methamphetamine preconditioning: effects on the expression of antioxidant and stress response transcripts in the cortex

Lake Worth Community High School

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Hometown: Lake Worth, FL

Baltimore, MD

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699. Peter Trinh

Promoters of human smoking cessation success genes: functional enrichment analyses

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Methamphetamine preconditioning: protective effects on monoaminergic systems in the brain

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Design and Synthesis of Novel Dopamine Transport Inhibitors

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Glutamatergic Neurons in the Medial Subdivisions of the Ventral Tegmental Area

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The Effects of Low-dose Amphetamine on Neuronal Plasticity Markers in Post-Stroke Rat Brain

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National Library of Medicine (NLM-NCBI)

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Optimization of Species Selection for Genome-Wide Application of the Mirrortree Method

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Studying Codon Usage in Plasmodium

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Study of impact of codon usage and sequence polymorphism on protein function. Case study ADAMTS13 gene, FVIII gene and the VWF

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Why Volunteer at the National Institutes of Health Clinical Center?

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Adult Dysautonomias: A Nursing Perspective

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A General Purpose 2-D Graphics Package for Plotting Biomedical Data

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Your Patient: You Decide; Development of a Board Game to Enhance Critical Thinking Skills in Nurses

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Multiple Sclerosis: A Primer for Nurses

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Barcode Technology in Specimen Collection: The Next Generation

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The Use of Animal Assisted Therapy in Oncology Patients

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Automated Detection of the Enteric Vasculature on CT Colonography

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Comparison of Leukemia Cell Line K562 with CD34+ Hematopoietic Stem Cells from Healthy Subjects

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The Effects of CYP 3A5 Polymorphisms on Sirolimus Induced Dyslipidemia

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Evaluation of the Implementation of a Suggestion Box Icon to Obtain Electronic Feedback from End Users of a Clinical Information System at the Point of Use

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Pyogenic arthritis, pyoderma gangrenosum and acne (PAPA syndrome)

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Utilizing Social Media in Patient Recruitment

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720. Vishal Desai

Creation of Ground Truth Database for Abdominal Segmentation and Modeling

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721. Jesalyn M Dunlap

Improving serial testing outcomes: Reviewing the evidence on the role of the nurse in peripheral intravenous management to decrease hemolysis

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A Longitudinal Study of the Speech, Language, and Swallowing Function of Niemann-Pick Disease, Type C

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Effect of Plasma Proteins on von Willebrand Factor Specific Activity

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Sequence analysis of msg variants in Pneumocystis jirovecii

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Radioactive Flourine-18 Liquid Distributor

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Glutamate and Anxiety

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Developing a Predictive Model of Quadriceps Muscle Volume

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FISH analysis of the 1p36 chromosomal deletion in B-cell lymphoma cell lines

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Adults Living with Cystic Fibrosis
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NF Kappa B Staining in Lymphoma Cell Lines
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Effects of Ionizing Radiation on Human Pluripotent Embryonic Stem Cells
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Evidence based methods for encouraging adherence to lifestyle modifications in patients with Type 2 Diabetes Mellitus
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The Role of P-Selectin expression in a Sickle Cell Anemia Mouse Model
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Improving image quality for fMRI: FSE vs T2 echo planar image acquisition*
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Comparison and Assessment of Nursing Psychosocial Screening Tools

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Neurokinin-1 Receptor Internalization Monitored with Fluorescently Labeled Substance P

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Using Interactive Parallel Coordinates to Discover Knowledge in Medical Data

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738. Alexis N Hedrick

The Characteristics of Turner Syndrome and Their Relationship to Social Roles: A Synthesis of Issues in Women's Health

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Graft versus host Disease after hematopoietic stem cell transplant for aplastic anemia patients

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Nurse Retention Strategies Implemented by the 1NW Inpatient Unit

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741. Rebecca J Imran

Tracking the Radiation Dose to Patients Undergoing PET/CT Examinations

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New Techniques for Measurement of Lymphedema

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Differences in B Cell Function in NOS1 Deficient Mice Contribute to Increased Mortality in a Lippopolysaccharide Model of Sepsis

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Impaired thermoregulation and pain perception in PPT-1 deficient mice

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Effective Treatment of Sickle Cell Disease: What Patients Wish Their Providers and the Public Knew

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Expression of Human and Mouse Pneumocystis Major Surface Glycoprotein Gene Variants

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Bringing "Light" To a New Assay: Making Fluorescent Bacteria for Antibiotic Susceptibility Testing and Virulence Studies

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748. Samuel H Miller

The Fetal-To-Adult Transition in Human Erythropoiesis is Associated with Increased Expression of Several Let-7 MicroRNA.

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Kinematic comparison of cycling, stepping, treadmill and over-ground walking

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NF1: An Initial Overview of the Speech and Language Phenotype

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The Effects Of A Novel Foot Orthosis On In-Shoe Plantar Pressures In Cycling

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Descriptive Epidemiology of an Outbreak of Vancomycin-Resistant Enterococci at the NIH Clinical Center

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Validating Nursing Workload: Examining Admission, Discharge, and Transfer Activities across the Inpatient Units of the Clinical Center

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Effective Use of Carbohydrate Counting for the Therapy of Glucocorticoid-Induced Diabetes Mellitus

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Research Internships: A looking Glass Into Global Health Disparities

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Determination of Luciferase Freeze-Thaw Stability

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Examination of the clinical indications for and safety of probiotic consumption and supplementation in oncology patients

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Assessment of Knowledge in Schizophrenic Patients Related to the Modafinil Protocol

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Kinematic and Electromyographic Analysis of Hemidystonia

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*Sensory processing in children with Smith-Magenis syndrome and children with autism:
A comparison of the Short Sensory Profile*
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Relationship of Quadriceps Muscle Size to Maximal Force Generation
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Analysis of leukemia cells expressing CD34 antigen
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*Aortic Distensibility in Type 1 Diabetics from the Epidemiology of Diabetes Interventions
and Complications [EDIC] Study*
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*Descriptive Epidemiology of MRSA Infections in an Immunocompromised Patient
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Influence of Echinacea purpurea and Panax ginseng on Cytochrome P450 (CYP)3A, and P-glycoprotein Activity in Healthy Volunteers

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Tracking Tumors with Image Morphing

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A Multiple Regression Model for Predicting Laboratory Errors in Automated Instruments

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Scoliosis in relation to Osteogenesis Imperfecta Types III and IV

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Detection of somatic mutation in FAS by Peptide Nucleic Acid (PNA) mediated PCR clamping

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Assessment of Communicating Hydrocephalus through Automated Serial Analysis of Brain MRI

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Adrenal Function in a Sedated and Ventilated Model of Septic Shock

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Incarcerated PICC Lines: Four Case Reports and Review of the Literature

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RT-PCR Array Identify the Inflammatory Gene in Rats Challenged with Intratracheal E. coli

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Advanced 3D Bone Modeling of Cerebral Palsy Femoral Shape

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Relationship of Pulmonary Artery Size to Spleen Status in ALPS Patients

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Index of Participants

Aaron C Abajian	662	Bryan Bassig	252
Brent S Abel	18	Allison M Batties	91
Olatunji Abimbola	80	Nathalie R Bearden	540
John V Abraham	535	Lara M Beers	372
Omar O Abudayyeh	81	Mikhael Bekkerman	296
Rachel Acuna	82	Kevin O Belgrave	92
Nana-Aishatu U Adamu	447	Maria Bellumori	541
Christopher J Addis	487	Heather R Bemmels	339
Adefunke T Adeyeye	597	Kiara Benson	665
Brittany O Aicher	294	Tiasha Bera	93
Joshua M Aizen	536	Katherine E Berger	94
Monica Ajinkya	19	Rebecca S Berger	710
Omair Akhtar	83	Jack Berry	373
Alex E Akman	250	Sean Bhalla	340
Mariam T Alaka	488	Rohini K Bhatia	253
Elfaalem Y Alemu	84	Kyle R Biesecker	639
Genevieve Allen	370	Daniel S Birnbaum	542
Maggie A Allen	663	Kelly N Bitsilly	449
Robyn S Allen	295	Ross W Bittman	666
Timothy Allen	489	Grace A Blair	603
Redab O Alnifaidy	20	Madeleine M Blank	254
Dana Alsaadi	336	Susanna Blauch	95
Mallory E Amaya	707	Richard Blissett	704
Sumedh Ambardar	1	Rishitha Bollam	543
Leila J Ameli-Grillon	490	Robert H Bonow	604
Ryan J Amundsen	85	David L Boone	297
Marie D Anderson	598	Diego Borges-Rivera	96
Mary A Anderson	251	Ethan R Bornstein	23
Nichelle Anderson	718	Lauren E Brandes	544
Frances C Andrada	708	Jessica Brannock	667
Omozusi E Andrews	599	Richard J Braxton	495
Senait D Ankerso	592	Adam J Breiner	450
Ejike I Anyanwu	337	Torrian L Brent	97
Allison L Arai	21	Bernard A Britton	451
Marco A Arias	410	Samira Brooks	341
Crystal N Asamoah-Nkansah	86	Meghan Brown	605
Afua F Asante	87	Sharell Bryant	667
Zarah Ashktorab	709	Anna M Budde	298
Andrew H Avery	371	Mohammad O Bukhari	496
Taara A Avery	88	Nicholas M Burton	15
Mariam N Awad	89	Evan Busch	255
Ndang N Azang-Njaah	600	Erin C Butler	299
Spencer H Bachow	448	Elisheba N Butts	98
Alexander S Bae	491	Irene C Cai	411
Jennifer Bai	664	Jessica G Caidor	711
Wilma Bainbridge	492	Maria C Camargo	256
Jakita Baldwin	601	Sonia Cardenas	518
Robiat A Balogun	493	Nicholas D Cardillo	354
Kaylyn R Bancroft	338	Hannah E Carlson-Donohoe	342
Alexandra M Bandeian	537	Andrea V Carnie	99
Deirdre K Banel	22	Shannon Carroll	712
Andrea Bankoski	602	Alyssa Cartledge	713
Bina B Bansinath	538	Megan S Casady	279
Laize F Barcelos Corse	655	Richard Casady	300
Monique Barrios	494	Darleen C Castillo	452
Nicholas M Bashour	539	Aaron D Catlin	24
Bryce A Basques	90	Shannon M Cawley	425

Kristi R Chakrabarti	100	Greggory R Davis	304
Amanda H Chan	25	Kristin P Davis	377
Calvin C Chan	101	Matthew L Davis	670
Lucas M Chang	102	Meredith E Davis	378
Matthew D Chang	656	Ricklie A Davis	107
Sarah M Chang	714	Taylor R Davis	344
Julia Chartove	497	Morgan E Dawkins	415
Christina Chen	545	Manori De Alwis	553
Christopher Chen	606	Ann M Decker	500
Haoxing Chen	280	Allison P Del Giorno	426
Jeechee Chen	657	Lauren A Demers	29
Julie Chen	658	Sophia Y Deng	435
Kevin T Chen	103	Vishal Desai	720
Masako Z Chen	546	Divya Dethier	108
Meng-Yang Chen	26	David E Deutsch	525
Mindy L Chen	374	Hillary C Devlin	345
Nina Chen	547	Shannon E Dier	109
Theodore M Chen	659	Christina M DiFabio	110
Tony T Chen	548	Stefania Dobre	111
Wenjing Chen	715	Leticia C Dominguez	755
Alan Cheng	104	Jason B Douglas	257
Catherine Y Cheng	343	Kyle T Doyle	379
Diane Cheng	453	Brynn B Duncan	456
Sean Chester	607	Jesalyn M Dunlap	721
Crystal S Chiang	27	Nikki Duong	501
Emily Chiang	716	Vy T Duong	502
Linda Chiang	549	Megan P Dwyer	457
Jason H Choi	301	Heather L Edward	405
Kyujoo Choi	375	Sarah Edwards	305
Rinal M Choksi	498	Tracy Einstein	306
Daniel T Choquette	412	Osama M Elbuluk	112
Joshua Chou	434	Daphne Elivert	380
Rohini Choudhuri	105	Kevin J Eng	63
Samuel E Clamons	608	Kathleen Engeln	31
Kamila P Clark	413	Ernesto L Enrique	113
Morgan B Clinton	550	Candice S Espinoza	114
Kelly Cochran	717	Nina M Farivari	436
Kimberly M Coffey	718	Bilqis Fassassi	503
Ari B Cohen	302	Morgan E Fay	722
Caitlin Collins	551	Michael Feldman	504
Natalie Commins	609	Marina Feric	307
Eduardo J Contijoch	414	Elena V Fernandez	723
Tasha L Cornish	552	Jordan M Ficca	115
Tony J Crank	454	Alexander H Fischer	258
Suanur M Cureoglu	106	Brett Fischer	381
Michael J Curry	28	Michael Flock	32
Anna Cushing	376	Alcinda Flowers	611
Emily C Dabe	668	Rachel A Flygare	671
Dana Lee Daley	610	Kelly M Folkers	116
Christina Danko	29	Faye Fong	554
Jontel M Dansby	499	Anastasia A Ford	555
Pasha Darvishi	303	Keolu O Fox	346
Abhinav Datti	669	Naomi E Frank	724
Meredith Dattoli	719	David W Friedland	117
Angel d Davalos	30	Nelson Fu	556
Dahvid Davda	455	Song Fu	118

Edwin Fung	557	Zachary M Harvanek	127
Darya A Gakh	558	Benjamin S Harvey	737
Stephanie P Galarza	119	Reza Hashemipour	281
Sarah E Gamble	120	Farahnaz Hassanshahi	755
Kriti D Gandhi	612	Karen R Hasty	385
Yue R Gao	640	John J Hatch	310
Yupeng Gao	641	Sean E Healton	563
Cyrus N Garmestani	725	Alexis N Hedrick	738
Justine M Garofalo	726	Heidi A Hempel	128
Havilah C Gates	121	Carolyn J Henderson	386
Ruth J Geller	382	Sandy Hernandez	311
Petar V Georgiev	33	Laura A Hickey	564
Henry D Geria	34	Deionna Hill	673
Emily Gerry	672	Jerica S Hill	739
Alexander P Gilbert	559	Courtney Hilts	39
Donna W Gilchrist	613	Avinash H Hiriyanna	282
Vickianna G Gittens	122	Christina M Hitz	129
Anna Gitterman	383	Elizabeth M Hodson	740
Alison Glassman	259	Timothy J Hohman	617
Adriana Gobbo	416	Rachael A Holmes	428
Alicia E Goertel	427	Daniel R Holohan	565
Kimberly M Golden	727	Salini S Hota	130
Hillary F Goldman	458	David Hou	131
Alma C Gonzalez	35	Grace R Hsu	462
Dani O Gonzalez	728	Victor Hsu	463
Yesenia Gonzalez	729	Christina Hu	132
Anne E Goodling	459	Eileen Hu-Wang	40
Jonathan S Gootenberg	123	Nicholas J Huang	505
Miranda R Gordon-Zigel	614	Shan Huang	133
Phillip M Grant	560	Larrica D Hubbard	464
Rashidah M Green	730	Renee A Hudson	465
Tiffany A Green	347	Alyssa R Huebner	660
Remina A Greenfield	731	Meghan S Hughes	134
Lisa L GreenPope	732	Joseph C Huguelet	135
Susan Grossman	13	Jeanne Hunter	136
Irina Gruzinova	124	Lauren M Hurwitz	249
Wenlu Gu	125	Jacob N Hyde	466
Hannah Guan	733	April N Hyon	429
Chenyu Gui	460	Duk Y Hyun	642
Paul D Guillod	308	Jonathan E Iadarola	467
Erin L Gunter	615	Kennedy C Iheanacho	468
Liat Gutin	561	Nadir Ijaz	312
Louis N Gutin	616	Rebecca J Imran	741
Nora S Habboosh	36	Mohib Iqbal	9
Arezu Haghighi	37	Ekaterina B Ivanova	674
Inqu Haile	734	Utkarsh Jain	247
Adrian D Haimovich	309	Megan A Jamiolkowski	137
Carlie M Hall	384	Alex Jankovic	10
Harding Hall	461	Shayma M Jawad	276
Elizabeth M Halmon	735	Sarah I Jawed	313
Michael J Hamilton	705	Vidushani D Jayalal	138
Brian L Han	736	Diana L Jeang	2
Shing Han	126	Shannon M Jenkins	742
Jailan Hanafy	562	Helen Ji	139
Drew Harmata	417	Jingran Ji	140
Alesha N Harris	38	Bowen Jiang	743

Shelley W Jin	41	Daniel P Lakin	509
Susan Jin	437	Gabrielle M Lalonde	510
Max E Joffe	429	Rebecca H Lange	678
Kirti Johal	348	Jennifer Larmore	151
Paul Johnson	42	Michelle R Larsen	152
Scott L Johnson	695	Wing Yee Lau	153
Marjory Jones	283	Billy B Laun II	439
Evan W Jong	4	Elizabeth A Lawrence	389
Bitu Joobbani	643	Alison E Lenet	511
Amritanshu Joshi	3	Ariel A Leonard	45
Oscar Juarez-Ramos	43	Catherine C Lerro	263
Daniel Kalowitz	566	Steven A Leung	154
Waynekid Kam	284	Jay Levin	512
BaiBai Kamara	141	Kevin M Levine	351
John Kane	314	Benjamin A Levy	679
Matthew W Kannan	247	David Li	286
Angie Kao	675	Jessica Li	390
Brian R Katz	676	Laura Li	513
Kara A Kaufman	567	Lingfeng Li	486
Alpana Kaushiva	260	Tom Liang	680
Linda Kelahan	568	Maggie J Lin	352
Lucy Boyce Kennedy	569	Tiffany A Lin	46
Nicholas Kenyon	744	Shauna T Linn	619
Wafa K Khadraoui	349	Brett A Linowes	155
Sameena Khan	142	Amy W Liu	391
Anna Kharaz	677	Chang Liu	156
Kenneth Kho	17	Jeff Liu	317
Alexander J Kiener	143	Jesse Y Liu	157
Andrew J Kim	315	Lance Liu	158
Jinyong Kim	144	Luyang Liu	264
Nayoon Kim	145	Siqing Liu	318
Samuel Kim	469	Marcelo R Llanos	700
Seyoun Kim	146	Kaitlin E Lockhart	514
Alexis Kington	506	Jason A Loiland	620
Peter S Kirk	261	Michael J Loo	681
Kristen M Klepac	570	Matthew E Lopez	443
Sarma R Klimanis	593	Daniel B Loriaux	470
Caitlin M Klimavicz	438	Rosemary Lu	47
Daniel R Knipmeyer	44	Xiaoyu Lu	48
Jonathan J Knowlton	387	Richard T Lucarelli	159
Akihiro C Ko	618	Jared Lucas	353
Pin-Joe Ko	350	Tiffany Lufkin	745
Basheer J Kokaja Zada	507	Kelli M Luginbuhl	319
Allison Koutsandreas	594	Albert T Lwin	621
Matthew S Kreitman	147	Nathan J Lyman	645
Rebecca P Krosnick	148	Robert M MacGregor	49
Hayley A Kuhn	644	Jason D MacManiman	50
Kalyani D Kumar	388	Nicholas Madian	445
Rubbel Kumar	14	Camille C Madsen	265
Krishna V Kunche	508	Grace A Maldarelli	392
Lauren M Kunz	316	Mary E Maldarelli	746
Patty B Kuo	149	Kathleen Maloney	440
Stephanie C Kuo	285	Sudhir Manickavel	441
Clifford J Kwityn	150	Sean S Mansoor	682
Dorothy H Kwok	262	Caleb D Marceau	160
Yewande Ladipo	719	Joshua O Marceau	406

Stephanie R Marcum	161	Nechama Newman	174
Miguel Marino	162	Sarah C Ney	688
Elijah H Martin	354	Felacita L Nez	574
Kathleen A Martin	51	Angeline M Nguyen	54
Yolanda C Martin	683	Jennifer Nguyen	359
Mario F Martinez	163	Tam D Nguyen	55
Mirna D Martinez	164	Katherine Ni	320
Julia E Masur	747	Hazel B Nichols	267
Madeleine-Joy M Mateo	684	Rebecca Nichols	689
Sabrina A Mathenia	355	Erin V Nickel	395
Alex Mattia	165	Vinod Nimmagadda	624
Jessica Mavadia	515	Tracy L Norman	749
Evan K Maxwell	393	Bianca A Noronha	647
Rhonda L McClure	622	Elaine Nsoesie	56
Adam J McDaniel	571	Alexander J Nutman	175
Dervla N McDonnell	623	Phillip E Nwosu	176
Ashley McFarland	52	Urennaya Okoro	690
Christopher I McHugh	356	Uzoamaka Okunji	57
Claire D McWhite	166	Charlotte M Oliver	177
Chelsea Mehra	11	Lyra B Olson	178
Michelle Mellenthin	430	Stephanie E Onuoha	750
Jose R Mercado	167	Natalia Orduz	268
Kassondra M Meyer	418	David Osei-Hwedieh	321
Samuel H Miller	748	Jan H Pachon	396
Jade T Mims	168	Brian T Palmisano	322
Mitra L Miri	572	James Pan	179
Kishan P Mistry	266	Matthew V Panico	180
Andrea B Moderi	516	Neelima Panth	58
Parisa Moghaddam-Taaheri	517	Christopher A Papanicolas	59
Sara Moghaddam-Taaheri	287	Elizabeth Park	277
Sarat Mohammed	169	Swetha Pasala	181
Dominique T Monteil	5	Monica I Pate	323
Brent Morel	573	Dhruv N Patel	521
Jasmine M Morgan	518	Pankit J Patel	60
Tia M Morgan	170	Rahul N Patel	625
Caroline Morris	595	Rushi B Patel	182
Matthew C Morris	519	Vivek R Patel	648
Samara A Morris Bobzean	685	Melinda G Paul	575
Stephen Moster	288	Steven E Pazan	751
Oluwaseyi Motajo	442	Gabriel Peal	61
Rudy A Moures	53	Matthew W Pease	649
Brian P Muchmore	419	Cynthia R Peng	752
Deborah J Mueffelman	661	Cynthia S Peng	522
Kamilah T Muhammad	394	Subha Perni	183
Rehan U Muhammad	686	Sharon V Perrone	62
Anuj Mukherjee	247	Stephanie M Perry	753
Naikhoba C Munabi	646	Mark W Peters	431
Graham J Myers	171	Samantha M Peters	420
Katherine G Nabel	520	Kristin L Peterson	397
Emma K Nalezny	172	Alexis G Pettiford	754
Henna C Nandwani	247	Timothy S Pillsbury	626
Ravi D Nath	357	Marisa D Pinchas	63
Julia F Navarro	443	Emily L Pinnow	444
Isabela Negrin	687	Frinny R Polanco	755
Chris D Neumann	173	Asha A Poles	691
Vann R Newkirk II	358	Rita Poon	184

Munanchu Poudel	698	Charlotte M Schwarz	652
Sergei A Pourmal	64	Callie H Seaman	201
Valerie A Praggastis	360	Luke D Sedney	202
Mora V Puertolas	523	Jared M Seifter	696
Sarah J Pulaski	576	Victoria M Seng	203
Janie Qi	185	Masalie S Sesay	758
Peter L Qiao	186	Charlie Seto	204
Shuo Qiu	187	Anushi Shah	270
Rehan S Quadri	188	Shivam Shah	759
Zakiya Qualls	189	Nur M Shahir	361
Helen T Queenan	692	Andi Shahu	205
Natalie Ramsey	471	Mengge Shan	206
Paul A Randazzo	190	Aaron J Shapiro	578
SatishKumar Ranganathan		Stephanie Shapiro	77
Ganakammal	706	Suhas Shekar	362
Anita M Rao	650	John E Shen	579
Swetha Rao	65	Michael J Shen	580
Vibha S Rao	398	Michelle Shen	326
Matthew J Rapp	289	Karen J Shou	207
Sucheta S Ravindran	661	Shweta Shukla	627
Anup B Reddy	472	Kara L Shumansky	400
Christopher J Redmond	191	Jeffrey A Siegel	474
Rachel M Reeves	324	Lauren M Sigman	581
Richard A Reges	192	Avi B Silber	628
Sheridan N Renzi	407	Anna E Silberman	760
Molly Resnick	756	Sonia D Silinsky Krupnikova	6
Dana J Reynolds	473	Eleanor Simpson	208
Ryan C Riddick	290	Haley M Simpson	209
Nicolette A Riley	693	Poorva Singal	475
Peter J Riley	694	Vineet Singal	210
Jennifer O Robb	193	Simmi S Singh	211
Denise Rockwell	66	Katie L Sinicrope	761
Rachael L Rogers	524	Laura Sirbu	71
Kaileen Rohr	399	Jonathan M Slack	327
Anthony L Rooks	695	Stefanie L Slezak	762
Kristen K Rosano	67	Rebecca M Slotkin	363
Yahaira I Rosario Morales	194	Alexander Small	763
Alex M Rosenberg	195	Erica E Smith	764
Aurielle E Rowe	269	Shelby Smith	212
Sebastian T Rowland	525	Jiyeon Son	213
Caitlin M Royster	757	Neil I Sood	12
Joanna P Rys	432	Benjamin P Sopczynski	214
Jihan Ryu	651	Julian L Spearman	697
Maria A Sacta	196	Aditi Srivastav	275
Shubho J Sadhu	197	Amita Srivastava	582
Sara G Sadiq-Ali	325	Kyle H Srivastava	765
Yolanda R Safford	198	Trisha St-Fleur	698
Anam Salman	199	Shakima St.Clair	629
Jonelle K Samuel	68	James M Stevenson	766
Nora L Sandler	526	Douglas A Stram	271
Melissa Sandoval	69	Nate Strawn	767
Marlon G Saria	596	Christine E Stuart	7
Arnab Sarker	200	Yan Su	768
Justin Scharf	577	Giancarlo Suffredini	543
Karen C Schliep	70	Annie Sullivan	215
Lindsey Scholl	445	Cheng R Sun	72

Jerry C Sun	291	Kainan Wang	331
Alok Swaroop	476	Wenting Wang	273
Emily L Sykes	769	Abigail D Wank	480
Sreya Talasila	583	Kimberly B Washington	230
Shikha Talwar	216	Onica L Washington	700
Annie Tang	73	Veronica R Watters	589
Min Tang	272	Wensheng Wei	332
Victoria Tappen	408	Brian Weisinger	529
Patrick H Taylor	401	Jia Weng	774
Hena Thakur	402	Peter J Weng	632
David G Thomas	74	Narissa E Wharton-Lake	775
Eli R Thompson	75	Morgan K Whetstone	776
Qu Tian	527	Emily E Wible	777
Jennifer Timothee-Oliveras	630	Sara M Wichner	231
Alisa Tiwari	76	Lisa Wiggleton	404
Alyssa Todaro	653	Reid V Wilkening	232
Kathleen Tompkins	217	Abitha William	293
Kevin W Tosh	16	Drake W Williams	530
Annie Toulmin	528	Dwight A Williams	701
Anh M Tran	433	John-Michael E Williford	422
Paul Tran	218	Kirkland A Wilson	366
Peter Trinh	699	Steven J Witte	423
Jerry C Tsao	219	Galesa A Womack	278
Jalia K Tucker	364	Elizabeth Wong	333
Noe A Turcios	421	Lindsay E Wood	531
Molly Turnquist	31	Samuel A Woodle	8
Andrew B Udofa	328	Shauna R Woody	446
Hayato L Unno	477	Christina S Wu	633
Lawrence C Uradu	770	Katherine Y Wu	42
Seshagiri R Vakkalanka	220	Kelly J Wu	367
Julio Valdiviezo	221	Paula Wu	532
Bhavana S Vangara	631	Elisabeth K Wynne	778
Geoffrey A Vargish	771	Xinran (Maria) Xiang	233
Catherine A Varnum	222	Allen Xiao	334
Kimberly A Varvel	584	Joe X Xie	634
Gaurav G Venkataraman	585	Conway Xu	368
Mudit Verma	223	Hanwen Xu	78
Gabriela M Villanueva	772	Jason Ya	274
Max J Vinograd	586	Daniel B Yaeger	635
Maria D Vitery	224	Di, Lisa Yan	481
Pragun Vohra	587	Zijie Yan	482
Dagny E von Ahrens	773	Soumya Yanamandra	234
Jessica A Vossler	225	Amy S Yang	483
Alexander C Vostal	409	Hailiu Yang	235
Nguyen D Vu	227	Peter H Yang	636
Shannon L Wagner	365	Amanda L Yates	236
Nida Waheed	329	Cindy Ye	237
Michael P Walker	403	Laura J Yockey	369
Rachel Wallwork	478	Eric Y You	238
Steven Walston	292	Colette C Young	484
Jessica M Walthall	588	Marielle C Young	485
Eric L Wan	228	Shanitah E Young	239
Christine H Wang	77	Karina J Yu	654
Eric W Wang	229	Scott S Yu	240
Evan B Wang	330	Jessica X Yuan	533
Geoffrey T Wang	479	Kimberly G Yuang	525

Emily C Zabor	79	Xuemin (Rosie) Zhang	245
Betsir G Zemen	702	Jiren Zheng	591
Biqi Zhang	241	Diana Zhong	246
Han Zhang	242	Shiwei Zhou	534
Hanci Zhang	637	April P Zhu	703
Jason C Zhang	243	Deanna W Zhu	247
Jessica Zhang	590	Sean M Zohorsky	638
Stephanie S Zhang	335	Alexis M Zukowski	248
Steven E Zhang	244		

Index of Educational Institutions of Participants

Abington Senior High School	691, 700
Academy of the Holy Cross	647
Albertus Magnus High School	686
American University	615, 617, 773
Appalachian State University	661
Archbishop Curley High School	626
Atholton High School	676
Baldwin School	415, 673
Bard College at Simon's Rock	239
Barnard College, Columbia University	264
Barry University	629
Bates College	29, 678
Baton Rouge Magnet High School	328
Bell Multicultural High School	337
Benedictine University	43
Bethesda-Chevy Chase High School	61, 247, 323, 458, 487
Binghamton University	732
Blair High School	733
Boston University	7, 661
Boston University School of Medicine	543
Bowie High School	341
Brandeis University	590, 677
Brigham Young University	265, 408, 671
Brigham Young University Idaho	571
Brown University	134, 290, 324, 567, 730, 755, 772
Bryn Mawr College	484, 614
Bullis School	142, 176, 190
Bunker Hill Community College	153, 217
California State Polytechnic University, Pomona	204
California State Polytechnic University, San Luis Obispo	94
Carleton College	769
Carnegie Mellon University	96, 179, 469, 522
Case Western Reserve University	750
Catawba College	586
Catholic University of America	137, 297, 576, 578, 729, 755
Cedar Crest College	552
Centennial High School	632, 633, 641, 696, 703
Central Michigan University	423
Chantilly High School	207
Charles E. Smith Jewish Day School	117, 382
Charles Herbert Flowers	521
Choate Rosemary Hall	36, 178
Clark Atlanta University	80
Clayton High School	306
Clemson University	726, 761
Colby College	261, 360
Colgate University	387, 489
College of Charleston	490
College of New Jersey	345, 650
College of William and Mary	377
Colony High School	690
Colorado State University	319, 384, 705
Columbia University	243, 309, 485

Community College of Baltimore Country	121, 616
Concord University	519
Concordia College	31
Cornell University	102, 244, 405, 453, 606, 656, 752, 757
Dalton School	132
Dartmouth College	554, 570, 651
Davidson College	385
Dedham Country Day School	692
Denison University	116, 609
DePaul University	29
Dickinson College	62
Drexel University	364, 720, 771
Drexel University College of Medicine	754, 762
Drexel University School of Public Health	39
Duke University	26, 127, 157, 237, 284, 312, 315, 317, 348, 486, 494, 503, 545, 548, 569, 588, 649, 652
Dulaney High School	618, 627, 664
Eastern High School	216
Eleanor Roosevelt High School	201
Elizabeth Seton High School	524
Elon University	163
Emory University	60, 77, 390, 573, 774
Florida Southern College	660
Florida State University	273, 535, 593
Fordham University	719
Franklin W. Olin College of Engineering	475
Gaithersburg High School	5, 138, 398, 443, 450
Gannon University	560
George Mason University	379, 602
George Washington University	66, 277, 303, 313, 359, 473, 583, 648, 719, 751
George Washington University School of Medicine	568
Georgetown Day School	34, 175, 338, 756
Georgetown University	16, 200, 276, 336, 399, 420, 546, 711
Georgia Institute of Technology	659
Germantown Friends School	667, 693
Gettysburg College	456
Gilman	695
Glendale College	413
Glenelg Country School	684
Graduate Center, City University of New York	683
Hagerstown Community College	269
Hampton University	601
Harvard College	103, 242, 353
Harvard Medical School	737
Harvard School of Public Health	22
Harvard University	162, 335
Haverford College	235
Hawai'i Pacific University	449
Hayfield Secondary	443
Holmdel High School	47
Hood College	115, 225
Hoover Middle School	104

Howard University	92, 122, 141, 164, 165, 168, 189, 464, 471
Howard University College of Medicine	410, 499, 727, 728
Illinois Math and Science Academy	488
Indiana State University	745
Indiana University School of Medicine	611
Indiana University-Purdue University Indianapolis	706
Jericho High School	480
John Carroll School	202
John F. Kennedy High School	14
Johns Hopkins Bloomberg School of Public Health	267
Johns Hopkins University	180, 249, 349, 392, 474, 557, 580, 619, 621, 636, 666, 680, 759
Kansas City University of Medicine and Biosciences	542
Kenyon College	509
Lake Worth Community High School	193, 698
Lake-Sumter Community College	151
Landon School	173, 327
Langley High School	1
Lexington High School	154
Liberty High School	426
Linganore High School	236
Loudoun County Public Schools Academy of Science	51
Louisiana State University	304
Lycee Rochambeau French International School	177
Lycoming College	91
Macalester College	342
Maret School	212, 467
Marist High School	495
Marshall University	770
Marymount University	77
Massachusetts Institute of Technology	81, 145, 361, 428
McGill University	400, 564, 612
McLean High School	247
Medical University of South Carolina	700
Meharry Medical College	42
Melvin J. Berman Hebrew Academy	147
Messiah College	459
Michigan State University	214
Middlebury College	108, 215, 747
Millikin University	438
Mills High School	140
Milton Academy	11
Milwaukee School of Engineering	430
Mission San Jose High	334
Missouri State University	540
Monta Vista High School	362
Montana State University	670
Montgomery Blair High School	2, 20, 21, 41, 67, 71, 84, 123, 146, 186, 228, 240, 247, 318, 326, 350, 368, 375, 435, 491, 657, 715
Montgomery College	224, 268
Morehouse College	358
Morehouse School of Medicine	394

Morgan State University	68
Mount Hebron High School	253
Mount Holyoke College	581
Mount Sinai School of Medicine	763
National Cathedral School	407, 520
New Jersey City University	196
New Jersey Institute of Technology	515, 577
New Mexico Institute of Mining and Technology	607
New Mexico State University	82
New York University	220, 523
North Carolina Central University	366
Northern Virginia Community College	514
Northwest High School	72
Oakwood University	610, 718
Oberlin College	99, 445, 658
Ohio Northern University	663
Oklahoma State University	230
Old Mill Senior High School	433
Overland High School	574
Oxon Hill High School	97, 278
Paint Branch High School	57
Palm Beach Gardens High School	669
Patapsco High and Center for the Arts	667
Pennsylvania State University	406, 653, 712, 749
Pomona College	386, 679
Ponce School of Medicine	630
Poolesville High School	148, 247, 388, 441, 510
Portland State University	50, 160
Potomac School	344
Preuss School, University of California, San Diego	218
Princeton High School	74
Princeton University	183, 185, 213, 414, 589
Quince Orchard High School	285, 403
Reed College	171, 401, 585
Rice University	391
Richard Montgomery High School	33, 266, 320, 482, 497, 526
Ridgewood High School	579
Ripon College	418
River Hill High School	624, 672
Rochester Institute of Technology	421
Rockville High School	502, 517
Rutgers University	150, 191
Rutgers University - New Brunswick	321
Saint Anselm's Abbey School	10, 12
Saint Louis University	355
Salisbury University	192
San Diego State University	113, 248
San Juan College	114
Seneca Valley High School	182
Seton Hall Preparatory School	699
Shaw University	170
Sherwood High School	412
Sidwell Friends School	76
Skidmore College	563
Smith College	294
South Lakes High School	89

Southern Methodist University	54
Southern Polytechnic State University	83
Southern Utah University	466
Spelman College	88, 98, 169, 198, 598
Springbrook High School	518
St. Albans School	15, 559
St. John's College	397
St. Mary's College of Maryland	295, 731
St. Olaf	639
St. Paul's School for Girls	623
Stanford University	210, 333, 376, 646
Stanford University School of Medicine	743
Stetson University	744
Stevens Institute of Technology	238
Stuart Country Day School of the Sacred Heart	538
Suncoast Community High School	28
SUNY Buffalo	380
SUNY Stony Brook	311
SUNY, College at Geneseo	722
Susquehanna University	389
Swarthmore College	19, 232, 478
Syracuse University	270
Temescal Canyon High School	681
Temple University School of Medicine	481
Thomas Edison High School of Technology	223
Thomas Jefferson High School for Science and Technology	58, 65, 78, 130, 181, 241, 247, 274, 331, 427, 429, 463, 483, 543, 549, 565, 608
Thomas S. Wootton High School	13, 73, 93, 143, 166, 208, 229, 332, 354, 402, 460, 640, 746
Towson High School	603, 698
Towson University	493, 655, 707, 718, 740, 753, 758
Trinity College (CT)	682
Troy High School	654
Tufts Cummings School of Veterinary Medicine	516
Tufts University	18, 381, 604
Tulane School of Public Health and Tropical Medicine	404
Tuscarora High School	110
Tuskegee University	451
Union County Magnet High School	665
University of Akron	112, 422
University of Alaska Anchorage	454
University of Arizona	124, 221, 305, 742
University of Arkansas	371
University of California, Berkeley	25, 37, 75, 144, 255, 271
University of California, Irvine	662
University of California, Irvine: Program in Nursing Science	721
University of California, Los Angeles	219, 530, 532, 596
University of California, Riverside	63
University of California, San Diego	69
University of California, San Francisco	446
University of Chicago	231
University of Connecticut	455
University of Dallas	638
University of Dayton	32

University of Delaware	541
University of Florida	107, 251, 555, 631
University of Florida College of Medicine	448
University of Georgia	87, 347, 372
University of Houston	529, 597
University of Illinois	17
University of Illinois at Chicago	256, 472, 562
University of Illinois at Urbana-Champaign	44, 668, 675
University of Kentucky	259
University of Mary Washington	101, 688, 723
University of Maryland	4, 24, 35, 59, 111, 118, 120, 126, 128, 129, 139, 158, 184, 188, 203, 206, 227, 245, 246, 258, 272, 280, 281, 282, 286, 287, 288, 293, 307, 346, 419, 429, 431, 437, 442, 461, 477, 501, 513, 536, 561, 566, 582, 587, 591, 600, 642, 643, 645, 674, 689, 694, 709, 724, 725, 767, 768, 776
University of Maryland Eastern Shore	592, 599
University of Maryland School of Medicine	352
University of Maryland School of Nursing	717
University of Maryland School of Pharmacy	716
University of Maryland, Baltimore	708
University of Maryland, Baltimore County	5, 174, 199, 211, 260, 289, 296, 299, 383, 496, 620, 625, 702, 704, 713
University of Massachusetts Amherst	644
University of Miami	90, 741
University of Michigan	23, 85, 155, 233, 254, 356, 365, 465, 476, 534
University of Michigan College of Pharmacy	766
University of Michigan School of Public Health	257
University of Minnesota	79, 106, 298, 339, 432, 508
University of Missouri	378
University of Montana	584
University of Nebraska Medical Center College of Dentistry	439
University of North Carolina at Chapel Hill	53, 209, 329, 558
University of North Carolina at Charlotte	775
University of North Carolina at Pembroke	613, 622
University of North Texas	38, 86, 109, 300, 411
University of Notre Dame	172, 436
University of Oslo	316
University of Pennsylvania	100, 195, 301, 416, 424, 445, 506, 525, 544, 710, 765, 777
University of Pittsburg	594
University of Pittsburgh	687
University of Puerto Rico	167
University of Puerto Rico, Rio Piedras campus	194, 452
University of Puget Sound	444
University of Richmond	330
University of Rochester	322, 409, 440, 504, 505, 531
University of South Carolina	550
University of Southern California	605
University of Tennessee	735, 739

University of Texas at Arlington	685
University of Texas at Austin	370
University of Texas at El Paso	30
University of Texas Southwestern Medical School	159
University of Toledo	634
University of Utah	70
University of Virginia	49, 52, 95, 275, 310, 325, 417, 470, 498, 500, 518, 528, 734, 778
University of Virginia School of Medicine	547
University of Washington	31
University of Wisconsin - Madison	125, 760
University of Wisconsin - Milwaukee	527
Urbana High School	133
Ursinus College	302
Vanderbilt University	63, 292, 308
Vassar College	8, 222, 354, 738
Virginia - Maryland Regional College of Veterinary Medicine	152
Virginia Commonwealth University	701, 764
Virginia Polytechnic Institute and State University	56, 279, 283, 357, 393, 395, 507
Wake Forest University	161
Walt Whitman High School	40, 457
Walter Johnson High School	3, 6, 46, 187, 205, 462, 533, 537, 553
Warren Alpert Medical School of Brown University	512
Washington University in St. Louis	45, 48, 197, 250, 351, 363, 369, 396, 628, 637, 736
Wayne State University	340, 539
Weill Cornell Medical College	511
Wellesley College	156, 343
Wesleyan University	64
West Virginia University	595
Western Carolina University	135
Western Connecticut State University	425
Wheaton College	434
Whitney Young High School	697
Willamette University	635
Williams College	373
Winston Churchill High School	9, 27, 105, 131, 149, 234, 291, 367, 374, 479, 525, 714, 748
Woodbridge Senior High School	119, 556
Wright State University	136
Xavier University	314
Xavier University of Louisiana	447, 468
Yale University	252, 262, 263, 492, 551, 572, 575
Yeshiva of Greater Washington	525