



Chandon Adger
W.T. White High School

Host: Matthew Lewis, PhD

Bioluminescence Imaging of Purinergic Signaling and Cerenkov Luminescence



Sheridan Cavalier
Booker T. Washington High School for the Performing and Visual Arts

Host: Dwight German, PhD

Ethylmercury Hg⁺⁺ inhibits dorsal-hippocampal neurogenesis in primates



Jacqueline Ayala-Ibarra

Williams Preparatory

Host: Aktar Ali, PhD

Studies on various metabolic and biochemical assay



Hirsh Elhence
Greenhill School

Host: Yonas Getachew, MD

Fetal Bovine Serum effect on 3T3 and HEP3B cell replication



Daryl Barth

Booker T. Washington High School for the Performing and Visual Arts

Host: Gomika Udugamasooriya, PhD

Development of unique multimeric versions of phosphatidylserine binding cancer cell lytic peptoid.



Rachael Essman
Thomas Jefferson High School

Host: Yu-An Zhang, PhD

DNA Methylation level of Secretin between lung tumor and normal



Sarah Baxter

J. J. Pearce High School

Host: Vitaly Margulis, MD

Interaction between RGD, integrins, and TGF in the development of EMT.



Edem Fagbolagun
Trinity High School

Host: Dean Smith, MD, PhD

Generating Mutants of OS-E and OS-F using Gamma Irradiation



Rebekah Bell
School for the Talented and Gifted

Host: Christian Forst, PhD

Response network analysis of interferon regulation and mRNA translocation in response to influenza protein NS1



Zainab Fatima
School of Health Professions

Host: Chandra Mohan, MD, PhD

Validation study of leukotriene B4 as a potential marker of lupus in a longitudinal cohort



John La
School of Science and Engineering Magnet

Host: Chuo Chen, PhD

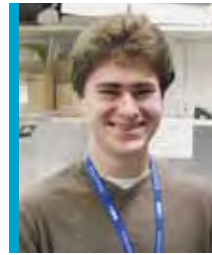
Synthesis of the Wnt Pathway Inhibitor



Mike Garcia
School of Government, Law, & Law Enforcement

Host: Tawanda Gumbo, MD

Thioridazine— an antibiotic for mycobacterial disease



David Larson
Richland College

Host: Orson Moe, MD

The effect of uric acid on blood pressure



Pardis Ghamasae
North Hills Preparatory

Host: Ganesh Raj, MD, PhD

Effect of MDV3100, T6, and D2 on Proliferation and DHT-induced Transcriptional Activity in Castration-Resistant Prostate Cancer



Daniel Larson
Richland College

Host: Nikhil Munshi, MD, PhD

Screening for Pathways Involved in Atrioventricular Node Development with Small Molecules



Andres Hernandez
Peak Preparatory

Host: Beverly Rothermel, PhD

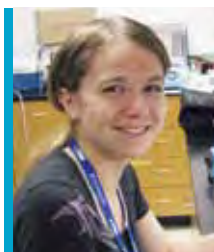
Can RCAN1 influence innate immunity?



Caroline McLeod
Cambridge School of Dallas

Host: Amal Dutta, MD, PhD

Role of TMEM16A Chloride channel in liver cell volume regulation



Rachel Hodge
Plano Senior High School

Host: Andrew Pieper, MD, PhD

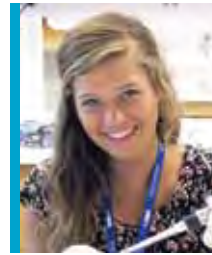
The influence of Glutamertergic Signaling in Obesity Animal Models



Katherine Mejia
Thomas Jefferson High School

Host: Michi Umetani, PhD

Effects of 27-hydroxycholesterol, an Endogenous SERM, on Reproductive Function



Sydney Pedigo
Hillcrest High School

Host: Benjamin F. Chong, MD

Gene expression in UVB-Irradiated MRL-lpr mice



Lisa Michaels
Shepton High School

Host: Joe Takahashi, PhD

Identification of Phenotypes and Genetic Loci: Regulating Cocaine Response and Circadian Rhythms in Mice



Lupita Rios
Bryan Adams High School

Host: Genevieve Konopka, PhD

Neuronal Expression of FOXP4 in Vivo and in Vitro



Simon Mogendi
Summit International Preparatory

Host: Connie Hsia, MD

“Noninvasive assessment of regional lung growth using high resolution computed tomography in a canine pneumonectomy model”



Josee Santiago
Woodrow Wilson High School

Host: Xuewu Zhang, PhD

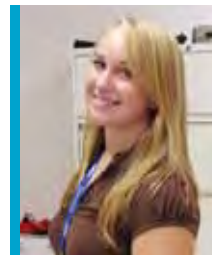
Adaptation of Rap-plexin structure to increase crystallization



Taelor Oppliger
Newman Smith High School

Host: Vishal Patel, MD

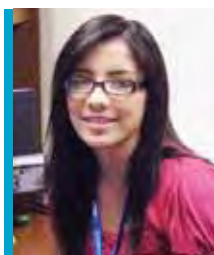
Over-expression of Pkd1 in Renal Epithelial Cells Disrupts Tubulogenesis



Brittany Stewart
Forney High School

Host: Massimo Attanasio, MD

Hedgehog Signaling Participates to Kidney Repair after Ischemia-Reperfusion Injury



Maria Pacheco
North Side High School

Host: Sherwood Brown, MD, PhD

“A comparison of clinician-rated and self-rated cognitive assessments in patients with asthma and rheumatic disorders”

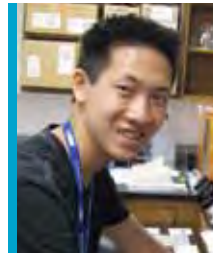


Betty Tong

Fossil Ridge High School

Host: Deborah J. Clegg, PhD

Maternal High Fat Diet Induces Placental Inflammation and Abnormal Fetal Brain Development



Stephen Tung

iSchool High (A Science, Technology, Engineering & Math Academy)

Host: Shusheng Wang, PhD

microRNA Regulation Network in Endothelial Cells



Maria Torres

School for the Talented and Gifted

Host: Michael Buszczak, PhD

Expression Analysis of genes in somatic cells of the *Drosophila* germarium

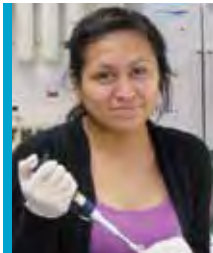


Miguel Velasco

North Dallas High School

Host: Tom Carroll, PhD

Developmental Defect of Reproductive Organs in Beta-Catenin Deleted Mice



Cynthia Torres

Thomas Jefferson High School

Host: Joel Goodman, PhD

Defining the contact site between lipid droplets and peroxisomes

STARS Associates



Nikita Agarwal
The Hockaday School

Host: Yumin Chook, PhD

Effect of ALS-causing FUS mutations on Kap β 2 interaction



Lee Kubicki
Highland Park High School

Host: Nan Yan, PhD

The roles of RNaseH2 in autoimmune disease and HIV infection



Kevin Chen
Jesuit College Preparatory School of Dallas

Host: Benjamin P.C. Chen, PhD

Exploring DNA-PKcs in NHEJ repair



Geoffrey Smith
Bishop Lynch High School

Host: Robin Hiesinger, PhD

Neuronal Rab GTPases as modifiers of v-ATPase-dependant neurodegeneration.



Christine Chen
The Hockaday School

Host: Kathryn O'Donnell, PhD

A Sleeping Beauty mutagenesis screen to identify genes responsible for drug resistance in non-small cell lung cancer



Madeline Smoot
Highland Park High School

Sandeep Burma, PhD

DNA Damage Responses of Ink4a/Ink4b/Arf-Null Astrocytes



Cameron Kerl
Jesuit College Preparatory School of Dallas

Host: Helmut Kramer, PhD

A Genome-Wide Screen for Genes Interacting with *Drosophila* Acinus