



Andy Benagh
Townview Magnet High School

Host: Rob Rawson, Ph.D.
Biophysics & Molecular Genetics

Replacement of the Defective
CyO Wing Allele with a
Functional CyO Wing Allele



Brandon Harston
Texas Torah Institute

Host: Hiromi Yanagisawa, M.D., Ph.D.
Molecular Biology

Difference in Protein Expression
in Rat & Mice Aortic Smooth
Muscle Cells Using Western
Blot and Immunostaining
Fluorescence Imaging



Amie Bonelli-Torres
South Garland High School

Host: Nicolai van Oers,
Ph.D. Immunology

Engineering Green Fluorescence
Protein Expression in
Mycobacterium smegmatis



Rudy Hikel
Little Elm High School

Host: Andrew Pieper, M.D., Ph.D.
Psychiatry

Rapid Discovery of Small
Molecules for Drug
Development in Model of OCD



Mary Byas
Peak Preparatory School

Host: Helmut Kramer, Ph.D.
Neuroscience

The Analysis of Glycosingolipids
in *Drosophila melanogaster*



Israel Iyoke
Skyline High School

Host: Beverly Rothermel, Ph.D.
Internal Medicine

Influence of RCAN1 on
Adipocyte Differentiation



Lisa
OW Holmes Middle School

Host: Adrian Rothenfluh, Ph.D.
Psychiatry

Comparison of Taste Intensity
at Threshold of 3 Well
Known Bitter Compounds to
Genotypical Variation of T2R
Family Genes in a Population



Adam Jacobson
Wylie High School

Host: Olatunji Williams, M.D.
Pediatrics

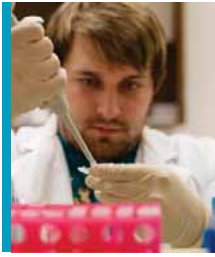
The Role of ATP-Binding
Cassette A3 in Alveolar
Development



Kamilah Crouch
Skyline High School

Host: James Amatruda, M.D., Ph.D.
Pediatrics

Examining the Fate of Ectopic
Primordial Germ Cells in
Zebrafish



Benjamin Jones
Seagoville High School

Host: Janine Prange-Kiel, Ph.D.
Cell Biology

The Evaluation of H19-7 Cell Line as a Model for Research Involving Aromatase Regulation in Hippocampal Neurons



Bibiana Mendez
W.H. Adamson High School

Host: Ralph Mason, Ph.D.
Radiology

Optimizing Tumor Detection; Evaluation of Diverse Instruments



Joseph Kaski
Crockett Middle School

Host: Shuxin Li, M.D., Ph.D.
Neurology

Novel Inhibitor of PTP-Family Protein Promotes Neurite Growth in the CNS



Lynee O'Connor
Kimball High School

Host: Dawen Zhao, M.D., Ph.D.
Radiology

Bioluminescence Imaging of Brain Cancer Metastasis and Response to Radiation Treatment



David Lee
Roosevelt Middle School

Host: Qiu-Xing Jiang, Ph.D.
Cell Biology

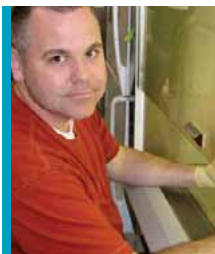
Bacteriophage Binding to a Voltage Gated Potassium Channel: Exploring the Binding Location by Using Different Lipids



Vickie Reed
Lincoln High School

Host: Frederick Grinnell, Ph.D.
Cell Biology

Cell Migration in Human and Mouse Cells in the Presence of PDGF $\alpha\alpha$ in Comparison to PDGF $\beta\beta$ for Wound Healing



John Long
Woodrow Wilson High School

Host: J. David Farrar, Ph.D.
Immunology

Type I Interferon Regulates IL-9 Secretion from Human Th9 Cells



Carlene Winkles
Azle High School

Host: Uttam Tambar, Ph.D.
Biochemistry

Synthesis of Chemical Inhibitors of Pyruvate Dehydrogenase Kinase (PDK)