<table>
<thead>
<tr>
<th>Name</th>
<th>School</th>
<th>Host</th>
<th>Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dagem Adera</td>
<td>Harmony Science Academy</td>
<td>Denise Marciano, M.D., Ph.D.</td>
<td>Role of p120 Catenin in Regulating Glis2 Function</td>
</tr>
<tr>
<td>Ivette Alvarez</td>
<td>Peak Preparatory High School</td>
<td>Rana Gupta, Ph.D.</td>
<td>Molecular Determinants of Brown and White Adipocyte Development</td>
</tr>
<tr>
<td>Olatunde Badejo</td>
<td>North Garland High School</td>
<td>Michael Shiloh, M.D., Ph.D.</td>
<td>Discovering Peptide Sequences for Use in a Mimotope Vaccine</td>
</tr>
<tr>
<td>Emily Barnes</td>
<td>Episcopal School of Dallas</td>
<td>Dean Smith, M.D., Ph.D.</td>
<td>Abnormal Courtship Behavior in Male Fruit Flies Lacking Odorant Receptors Or65abc</td>
</tr>
<tr>
<td>Yesenia Barrios</td>
<td>Saginaw High School</td>
<td>Zhi-Ping Liu, Ph.D.</td>
<td>The Histone Demethylase JMJD2B is Required for Proliferation and Anchorage-Independent Growth of Prostate Cancer</td>
</tr>
<tr>
<td>Andrew Bazley</td>
<td>Booker T. Washington HSPVA</td>
<td>Jenny Hsieh, Ph.D.</td>
<td>Purinergic Signaling in Isoxazole Driven Neurogenesis</td>
</tr>
<tr>
<td>Susy Briones</td>
<td>Williams Preparatory</td>
<td>Ivan D’Orso, Ph.D.</td>
<td>Cancer-Related Mutations in PPM1G Lead to Loss of Phosphatase Function</td>
</tr>
<tr>
<td>Kevin Chow</td>
<td>Coppell High School</td>
<td>Ezra Burnstein, M.D.</td>
<td>Generation of Antibody Against Deubiquitinase USP21</td>
</tr>
<tr>
<td>Emanuel Cortes</td>
<td>School for the Talented and Gifted at Yvonne A. Ewell Townview Center</td>
<td>Shawn Burgess, Ph.D.</td>
<td>Inducing Oxidative Stress in Nicotinamide Nucleotide Transhydrogenase-Enzymatic Deficient C57BL/6 Mice</td>
</tr>
</tbody>
</table>
2013
STARS Summer Research Program for Students

James Ding
Flower Mound High School
Host: Jennifer Kohler, Ph.D.
Optimization of the Expression and Purification of Recombinant CTxB

Felonie Doss
Trinidad Garza Early College High School
Host: Ann Stowe, Ph.D.
Detraining Minimizes the Protective Influence of Exercise on the Adaptive Immune Mechanisms

Julian Escamilla
Desoto High School
Host: Sandeep Burma, Ph.D.
CDK Inhibition Increases Sensitivity to PARP Inhibitor in BRCA1-Deficient Cancer Cells

Cecilia Esquivel
School for the Talented and Gifted at Yvonne A. Ewell Townview Center
Host: Helmut Kramer, Ph.D.
A Genetic Screen for Dominant Suppressors of Drosophila Acinus

Juan Galindo
Summit International Preparatory
Host: Xiaoying Bai, M.D., Ph.D.
A Chemical Screen to Study TIF1gamma Function in Zebrafish Hematopoiesis

Joseph Giroux
Bryan Adams High School
Host: Fan Gao, Ph.D.
Development of a Computer-Controlled Motorized Device

Samya Isa
Plano East High School
Host: Lind Baker, M.D.
A Novel Familial Prune Belly Syndrome FLNA Mutation Results in Enhanced β-integrin Binding

Jorge Jaimes
W.H. Adamson High School
Host: Joel Goodman, Ph.D.
How Deletion Mutants of Seipin Affect its Localization and Phenotype
**2013 STARS Summer Research Program for Students**

**Sofia Joison**
J.J. Pearce High School  
Host: Ian Corbin, Ph.D.  
Albumin Secretion in Primary Hepatocytes and Liver Cell Lines

**Erik Lamas**
W. T. White High School  
Host: Michael Buszczak, Ph.D.  
Screening of Ovaries in Female Drosophila Melanogaster with Gene Insertions

**Lucy Lin**
Lamar High School  
Host: Matthew Lewis, Ph.D.  
Initial Experiences with the Verasonics Ultrasound Research Platform

**Christy Purnadi**
R.L. Turner High School  
Host: Ming-Chang Hu, M.D., Ph.D.  
Characterization of Dox Nephrotoxicity in Mice

**Wesley Runnels**
School of Science and Engineering Magnet  
Host: Genevieve Konopka, Ph.D.  
Transcriptional Networks Regulated by FOXP1

**Cecilia Serrano**
John A. Dubiski Career High School  
Host: Vitaly Margulis, M.D.  
Methylation-Sensitive High Resolution Melt in the Study of the E-Cadherin Promoter

**Carolynn Van Zandt**
Waxahachie High School  
Host: Benjamin Chen, Ph.D.  
Characteristics of DNA Repair Function in a Variety of Mouse Embryonic Fibroblasts

**Rachana Vemireddy**
Plano East High School  
Host: David Boothman, Ph.D.  
Tumor-specific Targeting of the NAD+ Biosynthetic Pathway by Combining β-Lapachone with NamPT inhibitors
2013
STARS Summer Research Program for Students

STARS Associates

Sarah Ahmed
Plano East Senior High School
Host: Thomas Carroll, Ph.D.

Debunking the Myths Behind WNT Signaling: Universal Beta Catenin Target Does Not Exist

Dylan Altschuler
St. Mark’s School of Texas
Host: Robin Hiesinger, Ph.D.

The “Lattice Shift Model” of Neural Superposition in the Drosophila Eye

Mason Amelotte
Jesuit College Preparatory School of Dallas
Host: Deborah Clegg, Ph.D.

Novel Findings Implicate Inverse Relationship Between MT-3 and ERα

Mary Clare Beytagh
The Hockaday School
Host: Kathryn O’Donnell, Ph.D.

A “Sleeping Beauty” Mutagenesis Screen to Identify and Validate Novel Genes and Pathways Driving Lymphomagenesis

Aarohan Burma
St. Mark’s School of Texas
Host: Robert Bachoo, M.D., Ph.D.

Analysis of Temozolomide Resistance in Glioblastoma

Jonah Donnenfield
Highland Park High School
Host: Joseph Takahashi, Ph.D.

Phenotypic Characterization of Mice Heterozygous for a Novel ENU-Induced Mutation in Melanocortin-4 Receptor

Patrick Arraj
Jesuit College Preparatory School of Dallas
Host: Jin Jiang, Ph.D.

A Kinome-Wide RNAi Screen for Regulators of Intestinal Stem Cell Proliferation and Regeneration
2013
STARS Summer Research Program for Students

STARS Associates

**Angela Hillsman**  
Greenhill School  
Host: Doris Lambracht-Washington, Ph.D.  
Establishment of an Assay to Test for the Cytotoxicity of Amyloid Beta Peptides and the Potential Neuroprotective Effects of Aβ Antibodies

**Trevor Johnson**  
Jesuit College Preparatory School of Dallas  
Host: Dwight German, Ph.D.  
Do Pediatric Infant Vaccines Affect Brain Structure?

**Alexis Jones**  
The Hockaday School  
Host: Yuh Min Chook, Ph.D.  
Deciphering the Hexapeptide Mutations of hnRNPAbs in ALS

**Traian Pop**  
School for the Talented and Gifted at Yvonne A. Ewell Townview Center  
Host: Rolf Brokken, Ph.D.  
Generation of PS-Negative Tumor-Derived Exosomes

**John Rivera**  
Greenhill School  
Host: Christopher Derderian, M.D.  
Adipose Derived Stromal Vascular Cells Delay the Onset of Radiation-Induced Skin Injury

**Amy Tao**  
The Hockaday School  
Host: Kim Orth, Ph.D.  
Vibrio Parahaemolyticus’s VopQ Interacts with the Host Lysosomal Membrane, Disturbing Cellular Homeostasis