



The STARS Summer Research Program gives science teachers and students an opportunity to work in a research environment. During the summer of 2011, 16 secondary science teachers from around the state of Texas, 35 high school juniors from Dallas-Fort Worth, and one Eastfield College student participated in an eight-week summer internship working in research laboratories on the UT Southwestern campus and affiliated institutions. Under the guidance of a faculty host, participants completed a research project and presented their findings.

2011 STARS Teacher Alumni

Name	School	Host	Project Title
Bryan Bolster	Bryan Adams High School	Nancy Monson, PhD, Neurology	Antibody genetics of myelin basic protein reactive B cells
Mary Lou Brieger	Central Junior High School	Peter Michaely, PhD, Cell Biology	Uptake of LDL/VLDL in HuH7 Compared to Fibroblasts
Fanta Fridia	Permenter Middle School	Jeffrey Elliott, MD, Neurology	Mitochondrial Defects of Mutant 93SOD1 Transgenic Mice
Godlove Fumbu	Samuell High School	Wen-Hong Li, PhD, Cell Biology	Analysis and Purification of Oligonucleotides and their Conjugates by PAGE
Kristina Garner	Emmet J. Conrad High School	Jin Ye, PhD, Molecular Genetics	Adriamycin Prevents Cell Division through Induction of Transcription Factor CREB3L1
Jason Hogan	Sunset High School	Rob Rawson, PhD, Molecular Genetics	Altered SREPB expression and activation during starvation
Maya Jackson	Samuell High School	Janine Prange-Kiel, PhD, Cell Biology	Validating tissue specific primers for detection of aromatase mRNA by qRT-PCR
John Long	Woodrow Wilson High School	Michelle Gill, MD, PhD, Pediatrics	IgE cross linking and pDC's
David McLoda	Lewisville High School	Padmakar Kulkarni, PhD, Radiology	TSQ dye indicates aried zinc concentration in human orthotopic glioblastoma mouse model

Name	School	Host	Project Title
Pius Nwaizu	Sunset High School	Sandra Hofmann, MD, PhD, Internal Medicine	Initial characterization of the DHHC5 Knockdown Mouse
Jenny Proffitt	Coppell Middle School East	Joachim Herz, MD, & Gang Yu, PhD, Molecular Genetics/Neuroscience	ALS Pathology in hFUS Transgenic Mice
Gina Roberts	North Dallas High School	Beverly Rothermel, PhD, Internal Medicine	RCAN1 and Adipocyte Differentiation
Soniris Rosas-Padilla	North Dallas High School	Todd Soesbe, PhD, Advanced Imaging Research Center	Localized In vivo Proton (¹ H) Magnetic Resonance Spectroscopy in a mouse model of liver cancer
Sam Schaefer	Pinkston High School	Hao Huang, PhD, Advanced Imaging Research Center	Diffusion MRI Technologies
Beth Short	Townview Magnet Center	Anil Agarwal, PhD, Internal Medicine	Lipodystrophy and the localization of AGPAT2 in CHO cells
Amie Torres	South Garland High School	Nicolai van Oers, PhD, Immunology	Engineering Effective Mycobacterial Shuttle Vectors for Tuberculosis Studies