



Aaron Anderson

Alex W. Spence Middle School

Host: Chalermchai Khemtong, PhD

The Effect of Exogenous Lactate Pool Size on Myocardial Metabolism of Pyruvate: A ¹³C NMR Isotopomer Study



Patricia Dailey

Sunset High School

Host: Rashmin C. Savani, MD

IL1-beta and Hyaluronan as Biomarkers of Bronchopulmonary Dysplasia in Preterm Infants



Bryan Bolster

Bryan Adams High School

Host: Nancy Monson, PhD

Antibody genetics of myelin basic protein reactive B cells



Nina Mai

H. Grady Spruce High School

Host: Padmakar Kulkarni, PhD

¹⁸F-Labeled Hydroxyquinoline: An Imaging Agent for Alzheimer's Plaques



Elliot Charles

Sunset High School

Host: Orhan K. Oz, MD, PhD

Development of a PET Imaging Probe for Noninvasive Assessment of β -Cell Mass Change



Marissa Church

Young Women's Leadership Academy

Host: Peter Michaely, PhD

LDL and VLDL Uptake in Fibroblast Cells



Lisa O'Connor
**Birdville Center of Technology
& Advanced Learning**

Host: Weichun Lin, PhD

Mammalian PEN-2 expression
in the central nervous system



Brian Torres
South Garland High School

Host: Xiankai Sun, PhD

Enhancing the β -cell Mass
Imaging Signal Readout by
Multivalent Probe Design



Charise Romeo
L.G. Pinkston High School

Host: Kathryn Davis, PhD

The Role of Adipocyte Size in
Facial Aging



Brook Varner
Woodrow Wilson High School

Host: Kent Hamra, PhD

FLPO- Conditional Mutant
Recombinase Gene



Lorene Sandifer
Seagoville High School

Host: Michelle Gill, MD, PhD

IgE Cross-Linking Induces
IL-1 β and IL-23 Secretion in
Human Monocytes



Scott Sharp
Bishop High School

Host: Nicolai van Oers, PhD

The development of mycobacte-
rial strains expressing high levels
of *M. tuberculosis*-encoded
efflux pumps