INTERNATIONAL BioGENEius CHALLENGE

2010 Winners

First Place, $7,500.00 Raina Jain 11th Grade, Freedom High School, Bethlehem, Penn.
Project Title: *Engineering Glass Bone Implants to Enhance the Adhesion of Precursor Osteoblast Cells*

Second Place, $5,000.00 Sherwin Wu 12th Grade, Detroit Country Day School, Novi, Mich.
Project Title: *Glucosaminyl (N-acetyl) Transferase 2 (GCNT2) Gene Expression Highly Influences Breast Cancer Metastasis and Promotes an Epithelial-Mesenchymal Transition (EMT)*

Third Place $2,500 Anirudh Saraswathula 12th Grade, Thomas Jefferson High School for Science and Technology, Oak Hill, Va.
Project Title: *The Implementation of Functional Pancreatic Endoderm Derived from Human Spermatogonial Stem Cells In Vivo*

Fourth Place $1,000 Stephanie Axelson 12th Grade, Airline High School, Bossier City, La.
Project Title: *Identification of a New Link in Gene Silencing: Acetylation of the Methyl Binding Protein MeCP2.*

Each remaining participant received an honorable mention award and $500. The other finalists are:

- **Frances Harvey** from Shenton College in Mt. Hawthorn, Western Australia, was named a finalist for her project titled, Sustainable Mining Development Using Molecular Systematics of Spiders.
- **Shaina Hasan** from Hamilton High School in Chandler, Ariz., was named a finalist for her project titled, EGFR and mTOR Inhibitors on Cell Proliferation in Glioblastomas.
- **Kevin Jiang** from Monta Vista High School in Cupertino, Calif., was named a finalist for his project titled, Novel Sialyltransferase Psp26ST for the Synthesis of Cancer Vaccines and the Sialyl Tn Antigen.
- **Brian Krug** from John F Ross CVI in Guelph, Ontario, was named a finalist for his project titled, Catechin's anti-angiogenic effects in epithelial ovarian cancer.
- **Jiayu (Angela) Liu** from Liberal Arts and Science Academy in Austin, Texas, was named a finalist for her project titled, Signaling mechanisms of extracellular ATP and ABA in Arabidopsis stomatal guard cells.
- **Prithwis Mukhopadhyay** from Woodbury High School in Woodbury, Minn., was named a finalist for his project titled, Rood Additive or Carcinogen? Carrageenan Inhibits ASB Activity and Induces Cell Invasion Involving RhoA Activation and MMP-9 Secretion.
- **Muna Ol**i from Eastside High School in Gainesville, Fla., was named a finalist for her project titled, A Novel Interdisciplinary Application for Personalized Tumor Treatment Using Nanothermal Radiation.
- **Emily Phillimor**e from Shenton College in North Perth, Western Australia, was named a finalist for her project, Fueling Our Future - unlocking the potential of an ancient oil crop.
- **Rui Song** from Walter Murray Collegiate Institute in Saskatoon, Saskatchewan, was named a finalist for her project titled, Racing to Find a Marker: Development of Molecular Markers for Races of Colletotrichum Truncatum.
- **Alice Tursk**i from Bellaire High School in Houston, Texas, was named a finalist for her project titled, Identification of Transcription Factors Regulating the Mesenchymal Signature.

SIGN UP FOR UPDATES:

To register for updates regarding the Kansas BioGENEius Challenge, please send your name and contact information to info@kansasbio.org with ***Kansas BioGENEius Challenge*** in the subject line.