

Georgia BioGENEius Winners

2018

Suraj Modi, Mountain View High School: *Project: A Rapid Prediction Method for Epileptic Seizures Using Machine Learning Algorithms*

2017

Winner: Tejas Athni, Stratford Academy: *A Novel Potential Treatment Option Targeting the Proliferation of Patient-Derived Glioblastoma Multiforme (GBM) Brain Tumor Cells and U-87 MG Cell Line Using Bacopa monnieri.*

Runner-Up: Marissa McDonald, Union Grove High School: *Galectin-4 and Function of N- and C-Terminal Domains in Immunity*

2016

Winner: Simran Modi, Gwinnett School of Math, Science, & Technology: *Novel Machine Learning Algorithms for Early Diagnosis of Melanoma*

Runner-Up: Christine Liu, The Westminster School: *Application of a Machine Learning Logistic Regression Algorithm in a Classification Model to Predict Epileptic Seizures*

2015

Winners:

Molly Niemczyk, Rockdale County High School: *In the Mind's Eye: Comparing Eye Movements and Ocular Patterns*

Agni Kumar, Milton High School: *Evolution of Eukaryotic Ribosomes at Atomic Resolution*

2014

Winner: Kayla Evans, Douglas County High School: *"TIP150: A Possible Microtubule-Actin Linker and Mediator of Breast Cancer Cell Migration"*

Alternate: William Jin, Gwinnett School of Mathematics, Science and Technology: *"Developing Novel Protein Targets for Bordetella Pertussis Antibiotics: Understanding Protein Interfaces and Domain-Domain Interactions"*

2013

Winners:

Aprotim Bhowmik, a junior at Parkview High School, Lilburn, Georgia

Julia Abelsky, a senior at North Springs Charter High School in Sandy Springs, Georgia.

Alternate:

William Jin, a junior at the Gwinnett School of Mathematics, Science, and Technology, Lawrenceville, Georgia

Sonam Brahmhatt, a junior at Rockdale Magnet School, Conyers, Georgia

2012

Winners:

Aprotim Bhowmik, a sophomore at Parkview High School, Lilburn, Georgia

Julia Abelsky, a junior at North Springs Charter High School in Sandy Springs, Georgia.

Alternate:

Raja Selvakumar, a junior at Milton High School, Alpharetta, Georgia

Tushar Mittal, a sophomore at Dutchtown High School, Stockbridge, Georgia

2011

Raja Selvakumar, a sophomore at Milton High School, Milton, Georgia

Jessica Allison, a junior at the Gwinnett School of Mathematics, Science, and Technology in
Lawrenceville, Georgia

Alternate:

Vander Harris, a junior at the Rockdale Magnet School for Science and Technology, Rockdale,
Georgia

Kathleen DiNapoli, a junior at Dunwoody High School, Dunwoody, Georgia

2008-2010

The BioGENEius Challenge was a SE regional competition. Please contact Georgia Bio for a list of SE regional winners from these years.