

Georgia BioGENEius Winners

2020

Winner: Shreya Ramesh, Milton High School: *"Identification of Auditory Biomarkers for Neurological Disorders"*

*Shreya advanced to win the top prize at the International BioGENEius competition.

Runner-Up: Krish Wadhvani, Denmark High School: *"Broadening the Scope of Synthetic Antibody Mimics: Dementia Target-Based Novelty Solution System"*

2019

Winner: Ananya Ganesh, The Westminster Schools: *"A Novel Approach to Assessment and Classification of Pulmonary Function in Early Onset Scoliosis"*

*Ananya advanced to win the GenePool Competition at International BioGENEius.

Runner-Up: Nicole Frey, Paulding County High School: *"Cloning of Serratia marcescens chiA gene as a Biocontrol Alternative for Plants Targeted by Pathogenic Fungi"*

2018

Suraj Modi, Mountain View High School: *"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 CTerminal 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 Brahmabhatt, 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

Winners:

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.