

**Georgia BioGENEius Winners**

**2021**

Winner: Priya Soneji, Milton High School: *"Autonomously Tracking Organisms in Three Axes at Microscopic Resolution"*

Runner-Up: Asmi Kumar, Milton High School: *"FollowMe: AI to Revolutionize Cortical Visual Impairment Therapy"*

**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.*