



NEW YORK STATE SENATOR

Charles J. Fuschillo Jr.

## Senator Fuschillo Congratulates Farmingdale High School Science Student on Being Named National Semi-Finalist in Intel Science Talent Search

CHARLES J. FUSCHILLO JR. February 26, 2013



Senator Charles J. Fuschillo, Jr. (R-Merrick) recently congratulated Farmingdale High School Senior Nakul Gupta on being chosen as a national semi-finalist in the 2013 Intel Science Talent Search.

“This is an extraordinary accomplishment and Nakul should be very proud to have earned a place among the nation’s top young scientists. Nakul’s tireless efforts and many hours of hard work and research have advanced him into an elite group of young men and women. This incredibly bright, hard-working young man will no doubt accomplish great things as he enters his collegiate years,” said Senator Fuschillo.

Participants from all across the country, Puerto Rico, and the Virgin Islands compete in the talent search, considered the nation’s most prestigious pre-college science competition. Nakul is one of only 300 semifinalists chosen from entries nationwide. Nakul’s research project can potentially help find practical

solutions to cardiac problems involving Long QT Syndrome and cardiac arrhythmia.

Senator Fuschillo presented Nakul with a copy of a legislative resolution which was recently passed by the Senate in honor of his accomplishment. With the passage of this resolution, sponsored by Senator Fuschillo, Nakul's name and achievement will forever be part of the New York State Senate's official record.

Senator Fuschillo (right center) is pictured as he congratulates Nakul Gupta (left center) on being named semi-finalist in the 2013 Intel Science Talent Search. They are joined by Farmingdale High School Principal Glen Zakian (left) and Nakul's science teacher, Peter Macchia (right).

*Text of the Legislative Resolution:*

Senate Resolution No. 286

**BY:** Senator FUSCHILLO

**CONGRATULATING** Nakul Gupta of Farmingdale High

School upon the occasion of being named a  
semifinalist in the 2013 Intel Science Talent Search

**WHEREAS,** It is the sense of this Legislative Body to commend and pay tribute to those who, by achieving outstanding success in their educational and scientific endeavors, have inspired and brought pride to our majestic Empire State; and

**WHEREAS,** It is also the custom of this Legislative Body to recognize the dedication and commitment of our young people who distinguish themselves through excellence in science competition; and

**WHEREAS,** Attendant to such concern, and in full accord with its long-standing traditions, this Legislative Body is justly proud to congratulate Nakul Gupta of Farmingdale High School upon the occasion of

being named a semifinalist in the 2013 Intel Science Talent Search; and

**WHEREAS,** Once known as the Westinghouse competition, the Intel Science Talent Search is the oldest of its type in the nation, and is the country's most prestigious science scholarship competition; and

**WHEREAS,** For more than 60 years, the Intel Science Talent Search has recognized and rewarded the country's top young science students; and

**WHEREAS,** Over the years, this competition has gained broad acclaim in the academic and scientific communities; educators, scientists, engineers and journalists throughout the United States have enthusiastically supported this annual event; and

**WHEREAS,** Six former Intel Science Talent Search competitors have gone on to win the prestigious Nobel Prize; and

**WHEREAS,** The Intel Science Talent Search was created to encourage high school seniors who demonstrate exceptional ability in science, math and engineering through individual research projects; and

**WHEREAS,** Colleges and universities regard the Intel Science Talent Search semifinalist award to be evidence of exceptional scientific promise; and

**WHEREAS,** Nakul Gupta, a senior at Farmingdale High School in Farmingdale, New York, was recently named a semifinalist in the annual

Intel Science Talent Search which awards scholarships to recognize the outstanding science research of high school seniors; and

**WHEREAS,** Nakul Gupta's 2013 Intel Science Talent Search project was entitled, "Employing siRNA to Recruit KCNQ1 through microRNA Pathways: implications for Long QT Syndrome"; and

**WHEREAS,** For his project, Nakul Gupta focused on RNA silencing, KCNQ1 protein pathways, and cardiac disease; with the patch clamp apparatus, he measured the currents of potassium channels and analyzed the quantitative data; and

**WHEREAS,** Nakul Gupta's results indicated that this silencing RNA strand increased the amount of outward potassium current; this research can potentially lead to improved methods to study Long QT Syndrome and cardiac arrhythmia; and

**WHEREAS,** It is appropriate to celebrate and applaud the individual accomplishments of remarkable students in this great Empire State; and

**WHEREAS,** This Legislative Body is justly proud to congratulate Nakul Gupta of Farmingdale High School upon the occasion of his designation as a semifinalist in the 2013 Intel Science Talent Search, and for his noteworthy educational and scientific endeavors and achievements; his outstanding performance has clearly made a contribution to the spirit of excellence which is a tradition of his school and community; now,

therefore, be it

**RESOLVED,** That this Legislative Body pause in its deliberations to congratulate Nakul Gupta of Farmingdale High School upon the occasion of being named a semifinalist in the 2013 Intel Science Talent Search; and be it further

**RESOLVED,** That a copy of this Resolution, suitably engrossed, be transmitted to Nakul Gupta.