

Greater Capital Region Science and Engineering Fair, Inc.

Awards

March 23, 2019

www.gcrsef.org

Special Awards: The purpose of these awards is to give recognition to specific areas of science research.

Senior Division Regional Awards: These special awards were developed by our Regional Fair and are not offered at the International finals.

1. Albany College of Pharmacy & Health Sciences-Biomedical Sciences Excellence Award

The award is presented to individual(s) demonstrating outstanding achievement in the area of Biomedical Sciences at the GCRSEF. This award, along with an annual \$5,000 tuition scholarship is valued at \$20,000. The tuition scholarship is renewable for four years and requires maintenance of a 3.0 grade point average and fulltime enrollment status. Grades 9-11.

Award(s): Up to three \$20,000 Scholarships.

2. Albany Molecular Research Inc. (AMRI): Passion for Scientific Endeavors Award

This award goes to individual(s) who demonstrate a passion for scientific discovery and excellence as exemplified in the area(s) of chemistry, materials, environmental or medicinal applications

Award: Certificate and \$150.

3. American Society for Microbiology, Eastern New York Branch

This award is given to one project that involves research related to microbiology.

Award: Certificate plus \$100.

4. Brown League Sports Science Award

The award is presented to the project that uses a scientific approach to further an understanding or improve the performance of a sports-related phenomena.

Award: Two 1-year magazine subscriptions from a sport and science magazine group. No teams: One subscription (choices noted in award letter) plus certificate. No teams.

5. Dudley Observatory

The Dudley Observatory offers an award for a project in astronomy or space science.

Award: Certificate plus \$100. No teams.

6. Linda Austin DNA Science and Technology Award

This award is offered for research in DNA science and technology. It is in memory of Linda Austin who brought DNA Science and Technology to many, many schools in the Capital Region.

Award: Certificate plus \$100.

7. Momentive Performance Materials:

This award is for a project that demonstrates innovative use of synthetic chemicals to improve the environment and/or quality of life.

Award: Certificate plus \$100

8. National Association of Biology Teachers

This award is given to one project in that involves research in the Life sciences.

Award: Certificate and \$75.

9. National Grid Award for Energy and the Environment: The award is presented to individual(s) with a research project/exhibit that includes consideration and/or achievement in energy reduction, sustainability or reduced impact to the environment.
Award: Certificate plus \$100.

10. Nuclear Society

This is for one project in that involves research related to energy.
Award: Certificate plus \$100.00

11. Price Chopper's Golub Foundation Award: This award is for a project in nutrition that promotes good health.

Award: Certificate plus \$100.

12. Regeneron: Awarded to the project that demonstrates the most creativity in improving or identifying health issues in an individual.

Award: Certificate plus \$250.

13. R.P.I. Scholarship

Given to outstanding project for grades 9-11. The Planning committee for the Fair reserves the right whether or not to offer this award.

Award: \$40,000 (\$10,000 per academic year)

14. SI Group Smart Chemistry Award: This award will be presented to a project that demonstrates ingenuity in utilizing chemistry to promote environmental sustainability.

Award: Certificate plus an Apple iPad mini (no teams).

15. STANYS: Eleanor Miller Reed Science Research Award

This award is given to a project that "captures the spirit of science research."

Award: Certificate and \$100 Team projects will share the monetary award.

16 Walter Eppenstein Physics /Astronomy Award: This award is for an outstanding physics or astronomy project.

Award: Certificate plus \$75.

Intel ISEF Awards: These awards are also offered at the International finals.

1. American Meteorological Society

Up to two awards for individual or team project. Projects must be in atmospheric and related oceanic and hydrologic sciences.

Award: Certificate.

2. American Psychological Association (APA)

This award recognizes outstanding research in psychology (junior or senior division) under the category of behavioral and social sciences or any category related to psychology (e.g., animal sciences, biochemistry, computer science, environmental science, mathematical science, medicine and health).

Award: Certificate of Recognition

3. ASM Materials Education Foundation

This award is for the best materials engineering project. The award will be a certificate and medallion. This is a single award (no teams) in the Junior or senior division. The student will be presented with a preliminary certificate.

Award: Certificate and Ribbon: The formal certificate and Ribbon will be mailed in July or August.

4. Intel Excellence in Computer Science Award

Winners of the Intel Excellence in Computer Science Award will receive an Intel Certificate, \$200 and an Intel memento. This award may be given to an individual or a team.

Award: Certificate and \$200 to be sent to student(s) after the student(s) completes the required paperwork.

5. Mu Alpha Theta

This is the National High School and Two-Year College Mathematics Club. It is intended that this recognition be awarded to a senior division individual or group project demonstrating the most challenging, thorough, creative investigation of a problem involving mathematics.

Award: Certificate

6. NASA Earth System Science Award

This is for a project exhibiting a clear and focused purpose on Earth System Science that is testable using the science process. Founded in 1958 by President Dwight D. Eisenhower, NASA's mission is to pioneer the future in space exploration, scientific discovery and aeronautics research, answering basic questions like: What's out there in space? How do we get there? What will we find?

Award: Certificate

7. National Oceanic and Atmospheric Administration (NOAA) "Taking the Pulse of the Planet" Award: This award goes to research that emphasizes NOAA's mission of science, service and stewardship in climate, weather, ocean and coastal sciences.

Award: Certificate, letter and medallion.

8. Regional Ricoh Sustainable Development Award

This award recognizes projects that demonstrate outstanding efforts in addressing issues of environmental responsibility and sustainable development.

Award: Certificate

9. Scientific American Subscription: Scientific American recognizes outstanding student research. This award goes to the six grand prize awardees.

Award: Certificate and 1 year subscription to Scientific American

10. Society for In Vitro Biology: To be awarded to most outstanding **11th grade student** exhibiting in the areas of plant or animal in vitro biology or tissue. If there are no 11th graders available for award can be offered in other senior division grades.

Award: Certificate

11. Stockholm Junior Water Prize (SJWP): This is for the best projects related to water quality, water resource management, water protection, water treatment or wastewater treatment. Up to two awards may be given.

Award: Certificate. Up to **three** awardees may register to compete in the State, competition by April 15th. Ten finalists at the Intel International Fair will receive an all expense trip to Stockholm, Sweden where they will represent the United States to compete in the International Stockholm Junior Water Prize competition. Each winner must complete the online form to compete at the higher level.

12. U.S. Metric Association

This is for a student whose project involves a significant amount of quantitative measurement and which best uses the SI metric system for those measurements.

Award: Certificate

13. U.S. Air Force (given by representatives of the air force)

Award: Certificate, and other awards to be announced

14. U.S. Navy and Marine Corps

Five awards are available. Two junior and three senior awards (individual and team).

Award: Certificate and other awards

15. Yale Science and Engineering Association Inc.

This award is given to the most outstanding **11th grade** student exhibiting in the areas of Computer Science, Engineering, Physics or Chemistry (team or individual).

Award: Certificate and pewter medallion sent to winner after Fair Director mails winner's form. A preliminary certificate will be provided recipient at the Fair



Junior Division Regional Awards: These special awards were developed by our Regional Fair and are not offered at the International finals.

1. Albany Molecular Research Inc. (AMRI): Passion for Scientific Endeavors Award

This award goes to individual(s) who demonstrate a passion for scientific discovery and excellence as exemplified in the area(s) of chemistry, materials, environmental or medicinal applications

Award: Certificate and \$100.

2. American Society for Microbiology, Eastern New York Branch

This award is given to one project that involves research related to microbiology.

Award: Certificate and \$50.

3. Cullen Blake and Deena Mousa Excellence in Science Award

This award is given to a student who demonstrates both a love of science and the skill for doing science.

Award: Certificate plus \$100

4. Dudley Observatory

The Dudley Observatory offers an award at the senior and junior level for a project in astronomy or space science.

Award: Certificate plus \$50. No teams.

5. Momentive Performance Materials:

This award is for a project that demonstrates innovative use of synthetic chemicals to improve the environment and/or quality of life.

Award: Certificate plus \$50

6. National Association of Biology Teachers

This award is given to one project in the senior division and one project in the junior division that involves research in the Life sciences.

Award: Certificate plus \$50

7. National Grid Award for Energy and the Environment

The award is presented to individual(s) with a research project/exhibit that includes consideration and/or achievement in energy reduction, sustainability or reduced impact to the environment.

Award: Certificate plus \$50.

8. Nuclear Society

This is for one project in the junior division & one project in the senior division that involves research related to energy.

Award: Certificate plus \$50

9. Price Chopper's Golub Foundation Award for a Project on Nutrition that promotes good health.

Award: Certificate plus \$50

10. Regeneron Award: Awarded to a project that demonstrates the most creativity in improving or identifying health issues in an individual.

Award: Certificate plus \$175.

11. SI Group Smart Chemistry Award: This award will be presented to a project that demonstrates ingenuity in utilizing chemistry to promote environmental sustainability.

Award: Certificate plus \$100 (individual or team).

12. STANYS: Eleanor Miller Reed Science Research Award

This award is given to one project in the senior division and one project in the junior division that "captures the spirit of science research."

Award: Certificate and \$50.

Intel ISEF Awards: These awards are also offered at the International finals.

1. American Meteorological Society

Up to two awards for individual or team project (junior or senior division). Projects must be in atmospheric and related oceanic and hydrologic sciences.

Award: Certificate of Recognition

2. Association for Women Geoscientists

This award is offered to **female students**. Teams with at least one female are also eligible. These projects should exemplify high standards of innovativeness and scientific excellence in the geosciences. Special consideration will be given to projects that increase the public awareness of geosciences, illustrate the interdisciplinary nature of the geosciences, or promote the sensitivity to Earth as a global system. This may be given to the junior or senior division, team or individual.

Award: Certificate.

3. Broadcom Masters – Middle School Competition

Up to nine nominees are chosen to enter the competition by completing an application explaining their science project and demonstrating their use of STEM principles - science, technology, engineering and math - in the development and presentation of their project. From among entrants nationally, 300 semifinalists are selected, including 30 finalists. The nominees are the top four grand prize awardees.

Award: Certificate and invitation to the National Broadcom competition.

4. U.S. Air Force: (given by representatives of the air force up to four awards; junior and/or senior division.

Award: Certificate, and other awards to be announced

5. U.S. Metric Association

This is for a student whose project involves a significant amount of quantitative measurement and which best uses the SI metric system for those measurements.

Award: Certificate

6. U.S. Navy and Marine Corps

Five awards are available. Two junior and three senior awards (individual and team).

Award: Certificate

GRAND PRIZES

1. Senior Division

- 1st Place

Award: Certificate, gold medal, invitation to the *Intel ISEF*, \$500 from RPI School of Science; teams split the prize money.

- 2nd Place

Award: Certificate, silver medal, invitation to *Intel ISEF*, \$300 from RPI School of Science; teams split the prize money.

- 3rd Place

Award: Certificate, bronze medal, invitation to *Intel ISEF*, \$200 from RPI School of Science ; teams split the prize money.

- 1st Honorable Mention:

Award: Certificate, ribbon, invitation to *STANYS State Science Congress*, \$100 from RPI School of Science; teams split the prize money.

- 2nd Honorable Mention

Award: Certificate, ribbon, invitation to *STANYS State Science Congress*, \$75; teams split the prize money.

- 3rd Honorable Mention:

Award: Certificate, ribbon, invitation to *STANYS State Science Congress*, \$50.00.

2. Junior Division

- 1st place:

Award: Certificate, gold medal, \$300 from RPI School of Science; teams split the prize money, invitation to *STANYS State Science Congress*. Invitation to SSP National Broadcom Masters Program.

- 2nd Place:

Award: Certificate, silver medal, \$200 from RPI School of Science; teams split the prize money, invitation to *STANYS State Science Congress*. Invitation to SSP National Broadcom Masters Program.

- 3rd Place:

Award: Certificate, bronze medal, \$100 from RPI School of Science; teams split the prize money, invitation to *STANYS State Science Congress*. Invitation to SSP National Broadcom Masters Program.

- 1st Honorable Mention:

Award: Certificate, ribbon, \$75; teams split the prize money. Invitation to SSP National Broadcom Masters.

- 2nd Honorable Mention:

Award: Certificate, ribbon, \$60; teams split the prize money. Invitation to SSP National Broadcom Masters.

- 3rd Honorable Mention:

Award: Certificate, ribbon, \$30; teams split the prize money. Invitation to SSP National Broadcom Masters.