

2021 Special Awards Master Script

American Entomological Society - Calvert Award

is awarded to outstanding accomplishments in insect-related study, preferably relating to local species. All winners receive a monetary award, certificate, 1 year membership in AES, and an invitation to an AES meeting in the spring.

First place \$100 - Marissa Almonte

1st Runner Up \$50 - Kaitlyn Culbert

2nd Runner Up \$25 - Ilyas Kose

Honorable Mention \$25 - Bradley Evans

AES Special Award - Carolyn Almonte

This year, in addition to the Calvert Awards, The American Entomological Society is making a special award to Carolyn Almonte in recognition of her outstanding insect-related project on Luna Moths.

Because Carolyn received the Calvert Award in 2019 as a sophomore and repeat recipients of the Calvert Award are not permitted, The American Entomological Society will honor Carolyn with a book in special recognition for her continued excellence in the study of insects. The book will be sent at a later date.

American Meteorological Society

is awarding Certificates of Outstanding Achievement to winning projects for creative scientific endeavor in the areas of atmospheric and related oceanic and hydrologic sciences.

Matthew Timofeev

Oscar Gerber

Jen Parsons

Luke Olmstead

Aayati Patel

Scarlett DiPaolo

Summer Sakowicz

Chloe Wnek

American Psychological Association

is pleased to award certificates to outstanding research projects in psychological science.

Daniel Wang

Irene Abraham

Katherine Elmer

Saanvi Chigurupati

American Society for Microbiology - Eastern PA

is honoring outstanding projects related to the field of microbiology.

Grand prize \$100 and certificate - Lana Van Note

Honorable Mention certificate - Eric Mass

American Society of Civil Engineers - Philadelphia Section

presents these civil engineering awards to projects with evidence of technical competence that promote the advancement of the profession.

First place - \$100, plaque, and invitation to the virtual Spring Social

HS First Place – Sunskriti Gupta

MS First Place – Ka Yin Wendy Lam

Second place - \$75, plaque, and invitation to the virtual Spring Social

HS Second Place – Annabel Bornebusch

MS Second Place – Leon Huang

American Society of Highway Engineers - Delaware Valley Section

is awarding these prizes to outstanding highway-related projects.

First Place \$300 and framed certificate - Raj Kansara

Honorable Mention certificate – Sunskriti Gupta

Honorable Mention certificate – John Du

American Statistical Association, Philadelphia Chapter

is awarding a \$150 prize to science fair projects demonstrating the best use of statistics.

Irene Biju

Srilekha Mamidala

Sohum Bandyopadhyay

ASM International Philadelphia Liberty Bell Chapter

awards \$200 and an ASM medallion to the best materials engineering project based on use of material-related concepts, a demonstration of some aspect of the materials paradigm, and a quality presentation.

\$200 and ASM medallion

Cameron Schmidt

Kehbama Nukuna

Jabe Cox

Broadcom MASTERS

Every 1st, 2nd, and 3rd place winner in the Middle School individual categories and the first place Team members are eligible to enter the Broadcom MASTERS competition. This is often called the "ISEF of Middle School." Students receive an entry packet that they must complete to register themselves for the Broadcom MASTERS competition.

Emil Alexandrowicz

Nanayaa Baa

Sohum Bandyopadhyay

Brandon Cai

Rowan Chetty

Tejaswi Chundru

Vivienne Cowie Profy

Chirayu Daniel

Sierra Dean

Emily Eayre

Ligon Fisher

Andrew Ganopolskiy

Katherine Gilchrist

Evan Holovachuk

Arya Honawar

Ansh Jaggi

Sriram Joshi

Aryan Kapoor

Neil Kaushik

Forrest Klinger

Sonia Leo

Jack McGrath

Tushar Mehta

Pooja Menon

Sadie Michaels

Dana Nathanson

Anish Pallod

Maggie Petren

Sadie Purcell

Ranjit Rajapakse

Caroline Rawlings

Siyahni Rivera

Samiht Rohatgi

Lauren Schaffer

Johanna Schlecht

Anand Shah

Tariq Shahid

Kai Unwin-Wisnosky

Kasey Walker

Lily Wilden

Hailey Wood

Chris Zheng

Varoon Joshi and Daniel Miller

Chromatography Forum of Delaware Valley

is honored to recognize the accomplishments of talented young men and women whose research projects utilized principles and techniques of chromatography and separation science.

Three prizes are awarded to both HS and MS.

HS First Place \$100 - Samit Mohapatra

MS First Place \$100 - Nanayaa Baa

HS Second Place \$75 - Elizabeth Zuerblis

MS Second Place \$75 - Asha Chakrabarti

HS Third Place \$50 - Amanda Le

MS Third Place \$50 - Siyahni Rivera

Broadcom Coding with Commitment Award

recognizes a middle school project that combines STEM knowledge and computation/coding in the project's research, design, or development that expresses passion for helping or improving one's community. The winner receives \$250 and a Raspberry Pi kit.

Emily Eayre

Department of Defense STEM Leadership Prize

is presented to a middle school project that excels in STEM knowledge and technical skills, demonstrates problem-solving skills and determination to overcome challenges throughout their research project, and exemplifies leadership qualities through excellent communication skills and creative thinking. The winner will receive \$100.

Anish Pallod

DVSF Director's Award

This award goes to a student that has participated in DVSF all through middle school and high school. First, we want to recognize Carolyn Almonte and Giovanna Onofrietti for their long-time participation at DVSF. They have done well and received numerous awards. However, there is one student who has participated for many years without winning big awards, but her perseverance and commitment to STEM research should be acknowledged. So, this year's \$500 and trophy for the 2021 Director's Award goes to *Addison Liu from Unionville High School*.

DOW Chemical Award

is presented to projects that demonstrate a good understanding of the subject being tested and thorough analysis of the experimental results. The first place winners will receive \$300 and the second place winners will receive \$200.

HS First Place \$300 - Shawn Wang

MS First Place \$300 - Siyahni Rivera

HS Second Place \$200 - Victoria Yakes

MS Second Place \$200 - Pooja Menon

Drexel University - Dept. of Biodiversity, Earth, and Environmental Science

is proud to honor sophomores and juniors with exceptional projects in the Environmental Sciences or Zoology categories.

1st Place \$100 and full scholarship to a Drexel Environmental Science Leadership Academy this summer - Haotian Yang

2nd Place \$100 – Calli Dunn

3rd Place \$100 - Ilyas Kose

Honorable Mention certificates - Emily Marshall and Sarah Santos

DuPont Excellence in Teaching Award

The DuPont Excellence in Teaching Award salutes teachers for many years of dedication and service to the Delaware Valley Science Fairs and support of STEM education in their communities. The winning teachers receive \$500, a plaque, and an all-expenses paid trip to the International Science and Engineering Fair.

Valerie Denny from French International School

Michele Thomas from Sussex Technical High School

Engineers' Club of Philadelphia

honors future leaders in the engineering field to ensure excellence in engineering continues for generations to come. Each winner will receive \$200 and a personalized plaque.

Carter Gassler

Vrishti Yadav

Brandon Cai

Institute of Electrical and Electronics Engineers

is pleased to present these awards for excellence and outstanding effort in the development and construction of projects in the IEEE fields of interest.

First Place \$300 and plaque – Vrishti Yadav

Second Place \$200 and plaque – Victor Cai

Third Place \$100 and plaque - Carter Gassler

Honorable Mention \$50 and certificate - Emma Engle

Jack Mixit Award

This award is in memory of Jack Mixit, a director of the science fairs. He worked at the Franklin Institute during the 1960s and 1970s when the science fairs were held there. He was very creative, loved to demonstrate science, and strongly believed in science fairs. Each winner will receive \$100 and a certificate.

Saanvi Chigurupati

Molly Curtis

Sierra Dean

Katherine Gilchrist

Veer Pahwa

Tariq Shahid

Abbigail Turco

Kasey Walker

Janssen Biotechnology Research

recognizes excellence in biotechnology or pharmaceutical science.

1st Place \$250 – Zihan Yang

2nd Place \$200 – Michell Lin

3rd Place \$150 – Purva Gupta

Honorable Mention \$100 - Kathleen Antonakakis, Jason Wang, Vishruth Hanumaihgari, Katherine Fang, Ram Gudimetla

Janssen Cardiovascular and Metabolic Research

recognizes science projects that demonstrate excellence in cardiovascular and metabolic research.

1st Place \$250 – Jiya Patel

2nd Place \$200 – Akshay Anand

3rd Place \$150 – Alexander Dube

Honorable Mention \$100 - Ashlynn Daniel, Nanditha Patil, Meggan Shvartsberg

The Lemelson Foundation partnered with Society for Science

to award The Lemelson Early Inventor Prize to the top inventor, for exemplifying the ideals of inventive thinking by addressing a challenge seen in the community and creating a solution that will improve the lives of others. The winner receives \$100 and a certificate.

Brandon Cai

Dr. Leon Reznik Memorial Award

is presented in memory of Dr. Leon Reznik, a man committed to science fairs that judged the twelfth grade medals for many years. It is given to projects in the medicine and health category. This year each student will receive \$125 and a certificate.

Arjan Kahlon

Jiya Patel

Merck Science Achievement Award

honors excellent projects relating to drug discovery and human health. Each winner will receive \$100 and a certificate.

Okezue Bell

Camille Boyd

Shayl Chetty

Katherine Fang

Ram Gudimetla

Vishruth Hanumaihgari

Saanvi Mehta

Anish Pallod

Anand Shah

Bill Zhang

Mu Alpha Theta Award

Mu Alpha Theta recognizes projects that demonstrate the most challenging, original, thorough, and creative investigation of a problem involving mathematics. Each student will receive a certificate.

Adhiraj Gadre

Minseo Oh

Jason Rackas

Bryan Wu

National Oceanic and Atmospheric Administration

presents the Taking the Pulse of the Planet Award to projects whose research emphasizes its mission to understand and predict changes in climate, weather, oceans, and coasts, to share that knowledge and information with others, and to conserve and manage coastal and marine ecosystems and resources. Each student receives a certificate of achievement.

Rowan Arendt

Calli Dunn

Avery Heathewaite

Nandini Rastogi

Juliet Slota

Office of Naval Research Naval Science Award

The United States Navy and Marine Corps take pleasure in recognizing projects that demonstrate student learning about the chosen subject and scientific process, as well as the ability to discuss the work intelligently.

These students will receive \$75, a medallion, and a certificate:

Annabel Bornebusch

Adam Browning

Victor Cai

Man Cao

Sunskriti Gupta

James Lee

Aarav Patel

Olivia Takla

Arya Tschand

Ashley Zhou

These students will receive a medallion and certificate:

Saiadhityan Babu

Sohum Bandyopadhyay

Kayla Bleier

Joseph Bolger

Aashish Cheruvu

Khadafi Cromwell

Dylan DiMartino

Srijan Govindu

Sydney Haag

Liam Haines

Evan Holovachuk

Haley Hong

Erin Kraus

Hanyang Liu

Christina Roby

Kavish Saini

Hassan Soliman

Andrew Wang

Chris Zheng

PA Society for Biomedical Research

recognizes student research that promotes a better public understanding of the value of animal-based biomedical research and the vital role the responsible use of animals plays in improving the quality of human and animal health. Each winning project will receive \$250 and a certificate. Team members will split the prize money.

Elizabeth Zuerblis

The Pharmacologic Induction of cGAS and STING in Epigenetically Silenced Hepatocellular Carcinoma

Varoon Joshi and Daniel Miller

Assessment of Adults Opinions on the Significance of Concussions in Children

PA Society of Professional Engineers

proudly recognizes projects exhibiting the promise of future engineering excellence.

1st Place \$50 and certificate – Reese Goldberg, Victor Cai, Vrishti Yadav, Jared Gizersky, and Sonia Leo

2nd Place certificate - Raj Kansara, Leo Wylonis, Claire Fader, John Du, and Brandon Cai

Philadelphia Society for Coatings Technology

awards projects that foster a better understanding of the technology required in the manufacture of paints and coatings, and the development of more environmentally safe products.

First Place \$300 - Kehbuma Nukuna

Second Place \$200 - Tariq Shahid

Third Place \$100 – Jonathan Zhang

Regeneron Biomedical Science Award

recognizes a high school project that demonstrates command of and passion for science, exemplifies traits of a driven thinker, demonstrates flexibility and a continuous learner mindset, embodies traits of an inspiring leader, and embodies a drive to use science for good. The winner receives \$500 and a certificate.

Phoebe Vallapureddy

Utilizing Computational Drug Discovery Models to Predict SARS-CoV-2 Protease Inhibitors

Ronald C. Lorenzon Memorial Award

recognizes a student project with a focus on cancer research. The winner receives \$100 and a certificate.

Elizabeth Zuerblis

The Pharmacologic Induction of cGAS and STING in Epigenetically Silenced Hepatocellular Carcinoma

Roy F. Weston Memorial Award

honors the ability and creativity of student research in environmental sciences. Each winner will receive \$500 and a certificate.

Tino Karakousis

Samantha Williams

Society of Environmental Toxicology and Chemistry - Hudson Delaware Chapter

honors high school projects that promote the development of principles and practices for protection, enhancement and management of sustainable environmental quality and ecosystem integrity.

1st Place \$150 - Saranya Anantapantula

2nd Place \$75 - Lakshmi Yannam

3rd Place \$25 - Sarah Santos

Society of Tribologists and Lubrication Engineers - Philadelphia Section

honors student research that relate to lubrication or corrosion prevention. Each student will receive \$100 and a certificate.

Gabriella Gullace

Daniel Porotov

Matthew Sonn

Abbigail Turco

Jonathan Zhang

US Department of Agriculture Eastern Regional Research Center Future Scientist Award

honors students with the Future Scientist Award for having meritorious projects dealing with agricultural research. Each student will receive a certificate.

Kathleen Antonakakis

Katrina Banardi

Sangeetha Bhuyan

Rebecca Boateng

Kieran Chetty

Reva Gandhi

Eliza Gordon

Mary Griffith

Danielle Hughes

Jack Jawork

Ilyas Kose

Jessica Lee

Ruby Lin

Pooja Menon

Amelia Ogawa

Hannah Oh

Giovanna Onofrietti

Partha Panicker

Victoria Puente

Sarah Rojas

Ronak Saramya

Parmesh Sivakumar

Keira Trout

Hannah DeWitt

Ryann Foote

Kelley Malone

Brianne Smith

West Pharmaceutical Services

is proud to recognize science projects that demonstrate creativity and scientific thought in the areas of research and innovation. Each individual project winner will receive \$250. Each team will split \$1000 between its members.

Biochemistry Awards: Zachary Berman, Kieran Chetty, and Siyahni Rivera

Chemistry Awards: Deven Chakrabarti, Michell Lin, and Zachary Pressler

Engineering Awards: Leo Wylonis, Mikail Jaffer, and Srijan Govindu

Medicine and Health Awards: Purva Gupta, Zihan Yang, and Ranjit Rajapakse

HS Team Award: Maria Hromcenco and Cassandra Hung

MS Team Award: Olivia Barnes, Dishita Singh, and Neeka Vojdani

Yale Science and Engineering Association

recognizes the most outstanding 11th grade projects in Chemistry, Computer Science, Engineering and Physics. Each student will receive a certificate and medallion.

Krishnakanth Katakota

Yangyue (Martin) Ma

Arnab Sircar

Leo Wylonis

*** SCHOLARSHIPS ***

Dietrich W. Botstiber Foundation Award

The Botstiber Foundation awards a student with an \$8000 unrestricted scholarship. This is distributed at \$2000 per year for four years pending maintenance of full-time status and a minimum of 3.0 GPA.

Kayla Bleier

The Role of Biomimicry in the Evolution of Modern Aircraft

Drexel University Scholarships

Drexel University is proud to offer partial scholarships to five juniors who understand Drexel's experiential education blended with co-op and are creative, curious, and work well with others. The award is for \$8000 per academic year, renewable for up to five years pending full-time status and maintenance of at least a 3.0 GPA.

All scholarships go into effect upon the recipient's meeting university admissions criteria.

Irene Abraham

Maya Butani

Arnab Sircar

Jason Wang

Leo Wylonis

Harrisburg University of Science and Technology

The Science and Technology Scholar Award is given to all high school seniors and juniors participating in the Delaware Valley Science Fairs. It will cover up to \$15,000 for four (4) Academic Years at Harrisburg University of Science and Technology. This year, the university will offer an additional scholarship of \$1500.00 to be added to any UG Merit Scholarship from HU that a Delaware Valley Science Fair student receives upon applying and being accepted to HU. The university recommends recipients file the Free Application for Federal Student Aid (FAFSA) before the start of the academic year and complete any state grant applications by their deadlines. Once they have received the FAFSA data, they will provide recipients with a complete financial aid package that details their overall aid eligibility, including the scholarship as well as any state and federal grants for which they qualify. These awards are not transferable and nor are they stackable with any other scholarship from Harrisburg University.

University of the Sciences Scholarships

University of the Sciences will award scholarships to first, second, and third place winners of the eleventh grade fair. First place winners receive \$9250 per academic year. The second place winners receive \$7500 per year and the third place winners receive \$6250 each year. These monies can be used for tuition only and are effective upon enrollment in Fall 2022 in an undergraduate or first-professional program offered at the University of the Sciences. It is renewable for up to four years when enrolled as a full-time student in good academic standing.