



**NORTHWEST SCIENCE EXPO
2021 VIRTUAL HIGH SCHOOL
AWARD CEREMONY**

THANK YOU NWSE SPONSORS

- **Gold Sponsor**

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- **Gold Sponsor:** Genentech
- **Bronze Sponsor:** Optimist Club of Hillsboro
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- **Friend:** Neal Cox

We had many individuals at other levels or who chose to remain anonymous.

CATEGORY AWARDS

All First place projects receive \$50 from the category sponsor, 1st-3rd receive medals and Honorable Mention receive ribbons.

ANIMAL SCIENCES

- **sponsored by Columbia-Willamette Chapter of Sigma Xi**
 - **HM : Emma Clark, Catlin Gabel School**
 - **3rd : Ziad El-Moursy, International School of Beaverton**
 - **2nd : Nate Strothkamp, Oregon Episcopal School**
 - **1st : Madison Carson, Oregon Episcopal School**

BEHAVIORAL AND SOCIAL SCIENCE

- **sponsored by Portland Alcohol Research Center at OHSU & VAMC**
 - **HM : Masha Galtseva, West Linn High School**
 - **HM : Summer Tan, Jeffrey Fang, West Linn High School**
 - **3rd : Audrey Liang, International School of Beaverton**
 - **2nd : Jaiyoun Choi, Westview High School**
 - **1st : Pranav Thammana, Oregon Episcopal School**

BIOCHEMISTRY

- **sponsored by Catalyst Education and Career Pathways**
 - **3rd : Hafsa Erfan, Oregon Episcopal School**
 - **2nd : Natalie Sande, Mountainside High School**
 - **1st : Jenna Cook, Mountainside High School**

CELLULAR AND MOLECULAR BIOLOGY

- **sponsored by Columbia-Willamette Chapter of Sigma Xi**
 - **HM : Aashvi Busa, Sunset High School**
 - **3rd : Koharu Sakiyama, West Linn High School**
 - **2nd : Emily Song, International School of Beaverton**
 - **1st : Sanika Deosthali, Westview High School**

CHEMISTRY

- **sponsored by The Bilow Group**
 - **HM : Jade Mees, Catlin Gabel School**
 - **3rd : Nayan Murthy, Catlin Gabel School**
 - **2nd : Aditi Bhaskar, Wilsonville High School**
 - **1st : Vedanth Iyer, Sunset High School**

COMPUTER SCIENCE AND ROBOTICS

- **sponsored by bytemains**
 - **HM : Jakob Conner, West Linn High School**
 - **HM : Grace Chen, Catlin Gabel School**
 - **3rd : Wenjun Hou, Jesuit High School**
 - **2nd : Darsh Mandera, Jesuit High School**
 - **1st : Zhiyin Lin, Oregon Episcopal School**

ENERGY AND ENVIRONMENTAL ENGINEERING

- **sponsored by NorthWest Engineering Service Inc**
 - **HM : Alex Shaffer, Bend Science Station**
 - **3rd : Nathan Muszynski, Liberty High School**
 - **2nd : Grace Sato, West Linn High School**
 - **1st : Teaghan Knox, Bend Science Station**

ENGINEERING: BIOENGINEERING AND MATERIALS

- **sponsored by AbSci**
 - **HM : Kara Gaiser, Oregon Episcopal School**
 - **HM : Linnea Collett, Jadyn Sherry, Wilsonville High School**
 - **3rd : Pratik Vangal, Sunset High School**
 - **2nd : Alexander Plekhanov, Beaverton Academy of Science and Engineering**
 - **1st : Vladimir Mamchik, Jesuit High School**

ENGINEERING: ELECTRICAL AND MECHANICAL

- **sponsored by Ralph M Cohen Consultancy**
 - **HM : Tim Solberg, Pranav Sehgal, Beaverton Academy of Science and Engineering**
 - **3rd : Shreya Suresh, Sunset High School**
 - **3rd : John Madland, South Salem High School**
 - **2nd : Samyak Shrimali, Jesuit High School**
 - **1st : Ishan Ahluwalia, Jesuit High School**

ENVIRONMENTAL AND EARTH SCIENCES

- **sponsored by AvMedSafe**
 - **HM : Kian Shayegh, Mountainside High School**
 - **3rd : Marie Papathanasopoulos, Oregon Episcopal School**
 - **2nd : Lila Schweinfurth, Oregon Episcopal School**
 - **2nd : Dev-Rishi Udata, Jesuit High School**
 - **1st : Anna Nielsen, Sophia Nielsen, West Linn High School**

MATHEMATICAL SCIENCES

- **sponsored by Stephen and Esther Portnoy**
 - **HM : Vivek Mittal-Henkle, Oregon Episcopal School**
 - **3rd : Harrison Copp, Oregon Episcopal School**
 - **2nd : Ram Goel, Krishna Homeschool**
 - **1st : Peter Ye, Catlin Gabel School**

MEDICINE AND HEALTH SCIENCES

- **sponsored by Oregon Health and Sciences University**
 - **HM : Annie Chang, Catlin Gabel School**
 - **3rd : Tiffany Toh, Catlin Gabel School**
 - **2nd : Alan Ma, Jesuit High School**
 - **1st : Ronald Lin, International School of Beaverton**

MICROBIOLOGY

- **sponsored by Dr. Larry Sherman**
 - **3rd : Clara McAuley, Oregon Episcopal School**
 - **2nd : Catherine Zhu, Oregon Episcopal School**
 - **1st : Ekansh Mittal, Westview High School**

PHYSICS AND ASTRONOMY

- **sponsored by Eclipse Technologies**
 - **HM : Fiona Ing, Oregon Episcopal School**
 - **3rd : Maxwell Tsai, Oregon Episcopal School**
 - **2nd : Sylvie Bissell, Amelia Ulmer, Oregon Episcopal School**
 - **1st : Leon Garcia, Corvallis High School**

PLANT SCIENCES

- **sponsored by Oregon Forest Resources Institute**
 - **HM : Minhkhhoa Truong, International School of Beaverton**
 - **3rd : Annie Hendrickson, Oregon Episcopal School**
 - **2nd : Mithun Karthikeyan, West Linn High School**
 - **1st : Yaya Kiss, Wilsonville High School**

SPECIAL AWARDS

Special awards are offered by many different local and national organizations.

OUTSTANDING PROJECT IN AN ATMOSPHERIC SCIENCE EXHIBIT

- **sponsored by American Meteorological Society**
- **certificate**
 - **Avni Sharma, Jesuit High School**
 - **Alex Shaffer, Bend Science Station**

OUTSTANDING GEOSCIENCE PROJECT

- **sponsored by Association Of Women Geoscientists**
- **certificate**
 - **Marie Papathanasopoulos, Oregon Episcopal School**

OUTSTANDING AQUATIC RELATED ENVIRONMENTAL SCIENCE PROJECT

- **sponsored by Lake Oswego Corporation**
- **certificate & \$50**
 - **Andrew Nordstrom, Trinity Lutheran School**

NASA EARTH SYSTEM SCIENCE AWARD

- **sponsored by NASA**
- **certificate**
 - **Lila Schweinfurth, Oregon Episcopal School**

NOAA'S TAKING THE PULSE OF THE PLANET

- **sponsored by National Oceanic and Atmospheric Administration**
- **certificate**
 - **Peter Zhong, Oregon Episcopal School**
 - **Lila Schweinfurth, Oregon Episcopal School**

AWARD FOR EXCELLENCE IN SCIENTIFIC RESEARCH IN ENVIRONMENTAL HEALTH

- **sponsored by Oregon Environmental Health Association**
- **certificate & \$150**
 - **Samyak Shrimali, Jesuit High School**

OUTSTANDING NATURAL RESOURCES SCIENCE PROJECT

- **sponsored by Pacific NW Research Station, USDA
Forest Service**
- **plaque**
 - **Nathan Rumsey, West Linn High School**



SUSTAINABLE DEVELOPMENT AWARD

- **sponsored by Ricoh Corporation**
- **certificate**
 - **Teaghan Knox, Bend Science Station**

OUTSTANDING PROJECT IN IN VITRO BIOLOGY

- **sponsored by Society for in Vitro Biology**
- **certificate**
 - **Catherine Zhu, Oregon Episcopal School**

OUTSTANDING AIR QUALITY PROJECT

- **sponsored by Southwest Clean Air Agency**
- **plaque**
 - **Timothy Rush, Liberty High School**

PACIFIC NORTHWEST SCIENTIST AWARD

- **sponsored by The Pacific Northwest Local Section of AIHA**
- **certificate**
 - **Alan Ma, Jesuit High School**
 - **Samyak Shrimali, Jesuit High School**
 - **Alexander Plekhanov, Beaverton Academy of Science and Engineering**

WOMEN IN SCIENCE AWARD

- **sponsored by Women in Industrial Hygiene (WIH - AIHA) Professional Development Committee of AIHA**
- **certificate**
 - **Haley-Ray Newbore, Emmeline Staten, West Linn High School**
 - **Zhiyin Lin, Oregon Episcopal School**

SCIENCE CHAMPION AWARD

- **sponsored by U.S. Agency for International Development**
- **certificate**
 - **Alexander Lim, Daniel Hadi, International School of Beaverton**

U.S. REGIONAL STOCKHOLM JUNIOR WATER PRIZE

- **sponsored by Water Environment Federation**
- **certificate and nomination**
 - **Ruby Sparks, Bend Science Station**
 - **Avni Sharma, Jesuit High School**

OUTSTANDING PROJECT IN MATERIALS SCIENCE

- **sponsored by ASM International Foundation**
- **certificate & medal**
 - **Kara Gaiser, Oregon Episcopal School**

MU ALPHA THETA AWARD

- **sponsored by Mu Alpha Theta**
- **certificate**
 - **Peter Ye, Catlin Gabel School**

OUTSTANDING USE OF THE INTERNATIONAL SYSTEM OF UNITS

- **sponsored by U.S. Metric Association**
- **certificate**
 - **Ziad El-Moursy, International School of Beaverton**
 - **Nicole Chan, Mountainside High School**
 - **Vladimir Mamchik, Jesuit High School**

OUTSTANDING RESEARCH IN PSYCHOLOGY

- **sponsored by American Psychological Association**
- **certificate**
 - **Pranav Thammana, Oregon Episcopal School**
 - **Jaiyoun Choi, Westview High School**

PROJECT UNTANGLED EXCELLENCE IN MENTAL OR BEHAVIORAL HEALTH RESEARCH AWARD

- **sponsored by Project Untangled**
- **certificate & \$100**
 - **Audrey Liang, International School of Beaverton**

U.S. AIR FORCE OUTSTANDING PROJECT

- **sponsored by U.S. Air Force**
- **certificate**
 - **Tim Solberg, Pranav Sehgal, Beaverton Academy of Science and Engineering**
 - **Shreya Suresh, Sunset High School**

NAVAL EXCELLENCE IN SCIENCE AND ENGINEERING AWARD

- **sponsored by Office of Naval Research, US Navy and Marine Corps**
- **certificate, medal & gift card**
 - **Vedanth Iyer, Sunset High School**
 - **Aditya Sood, Westview High School**
 - **Anjun Hou, Oregon Episcopal School**
 - **Logan McClure, International School of Beaverton**

OUTSTANDING PROJECT BY AN 11TH GRADE STUDENT

- **sponsored by Yale University Science and Engineering Association**
- **certificate & medal**
 - **Grace Chen, Catlin Gabel School**

OUTSTANDING CHEMISTRY RELATED PROJECT

- **sponsored by Iota Sigma Pi**
- **certificate and \$50**
 - **Aditi Bhaskar, Wilsonville High School**

OUTSTANDING APPLIED OR PRACTICAL CHEMISTRY PROJECT BY A JUNIOR OR SENIOR

- **sponsored by Portland Industrial Chemists' Association/American Chemical Society**
- **certificate & \$250**
 - **Nayan Murthy, Catlin Gabel School**

OUTSTANDING CHEMISTRY PROJECT

- **sponsored by American Chemical Society, Portland Section**
- **certificate and \$250**
 - **Aditi Bhaskar, Wilsonville High School**

TOM OWEN AWARD FOR EXCELLENCE IN STATISTICS

- **sponsored by Oregon Chapter of the American Statistical Association**
- **certificate and \$100**
 - **Tiffany Toh, Catlin Gabel School**
 - **Annie Chang, Catlin Gabel School**
 - **Avni Sharma, Jesuit High School**

TOM OWEN HONORABLE MENTION

- **sponsored by Oregon Chapter of the American Statistical Association**
- **certificate**
 - **Madison Carson, Oregon Episcopal School**
 - **Jaiyoun Choi, Westview High School**
 - **Darsh Mander, Jesuit High School**
 - **Pratik Vangal, Sunset High School**
 - **Alan Ma, Jesuit High School**
 - **Peyton Devereux, Mountainside High School**
 - **Ekansh Mittal, Westview High School**



SCHOLARSHIPS AND VERY SPECIAL AWARDS

REGENERON BIOMEDICAL SCIENCE AWARD

- **sponsored by Regeneron**
- **certificate and \$500**
 - **Ronald Lin, International School of Beaverton**

LEWIS & CLARK COLLEGE

- Lewis & Clark College will acknowledge outstanding performances at the Northwest Science Expo with scholarship offers to first place category winners. The first place winners in each category at the fair will be offered at minimum a Faculty Scholarship, which is valued at \$25,500 for the 2020-2021 academic year, and is renewable each year based on continued academic excellence. In order to be awarded the scholarship, students must be accepted through our regular admissions process and enroll at the college immediately following high school graduation. Students may qualify for a larger academic merit based scholarship upon admission to the college; if that is the case, the larger scholarship will replace the Faculty Scholarship.

OSU GENERAL SCHOLARSHIP

- **sponsored by Oregon State University**
- **\$5000 nonrenewable scholarship to OSU**
 - **Pratik Vangal, Sunset High School**
 - **Peter Ye, Catlin Gabel School**
 - **Mithun Karthikeyan, West Linn High School**

UNIVERSITY OF OREGON SCHOLARSHIPS

- **sponsored by University of Oregon**
- **\$9000 renewable for up to 4 years at U of O**
 - **Madison Carson, Oregon Episcopal School**
 - **Vladimir Mamchik, Jesuit High School**

REGENERON ISEF FINALIST

- **Competitor at the 2021 Virtual Regeneron ISEF in May, certificate and t-shirt**
 - **Madison Carson, Oregon Episcopal School**
 - **Vladimir Mamchik, Jesuit High School**
 - **Ronald Lin, International School of Beaverton**
 - **Ishan Ahluwalia, Jesuit High School**
 - **Peter Ye, Catlin Gabel School**
 - **Anna Nielsen, Sophia Nielsen, West Linn High School**

BEST OF FAIR-PHYSICAL

- **sponsored by Students of Dr. Bill Lamb**
- **trophy and \$500**
 - **Ishan Ahluwalia, Jesuit High School**

BEST OF FAIR-LIFE

- **sponsored by Students of Dr. Bill Lamb**
- **trophy and \$500**
 - **Ronald Lin, International School of Beaverton**

THANK YOU EVERYONE!

- I hope you enjoyed the virtual fair experience, next year we hope to return to an in person fair. To that end fundraising has begun for 2022. Online donations can be made using our Donate Today button at nwse.org or by mailing a check. If your company would like to be a listed sponsor, please contact me at nwse@pdx.edu
- Stephanie Jones-fair director