NORTHWEST SCIENCE EXPO 2022 VIRTUAL HIGH SCHOOL AWARD CEREMONY

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In memory of Carl Erickson

Donations toward student travel still needed. Please use the Donate Today button at nwse.org

THANK YOU SYSTEM SPONSORS

Northwest Science Expo System Sponsors

- Gold Sponsor: Genentech
- Bronze Sponsor: Optimist Club of Hillsboro
- Supporter: Micro Systems Engineering, Inc
- Investor: AbSci Jeanne Beacham
- Friend: Neal Cox

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

CATEGORY AWARDS

1st, 2nd and 3rd receive medals, honorable mention receives a ribbon 1st place project also receives \$50 provided by the Category Sponsor

ANIMAL SCIENCES

• sponsored by: Columbia-Willamette Chapter of Sigma Xi

HM: Winston Bermudez, Owen King: Bend Science Station

3rd : Maeve Lamb, Hafsa Erfan : Oregon Episcopal School

2nd: Alan Ma: Jesuit High School

1st: Madison Carson: Oregon Episcopal School

BEHAVIORAL AND SOCIAL SCIENCE

- sponsored by: Portland Alcohol Research Center at OHSU & VAMC
 - HM: Yuankai Gao: Oregon Episcopal School
 - HM : Ayushi Mallick : West Linn High School
 - 3rd : Summer Tan, Julia Hernandez : West Linn High School
 - 2nd: Jaiyoun Choi: Westview High School
 - 1st: Alex Lim, Irene Lim: International School of Beaverton

BIOCHEMISTRY

- sponsored by: Catalyst Education and Career Pathways
 - HM: Shravya Vellanki: Mountainside High School
 - 3rd: Fadel Barhum, Mohamed Mohamed: Oregon Islamic Academy
 - 2nd: Kaitlyn FitzHenry: Trinity Lutheran School
 - 1st: Devin Hayden: Mountainside High School

CELLULAR AND MOLECULAR BIOLOGY

- sponsored by: Columbia-Willamette Chapter of Sigma Xi
 - HM: Darsh Mandera: Jesuit High School
 - 3rd: Matthew Chan: Oregon Episcopal School
 - 2nd: Vatsal Parikh, Ekansh Mittal: Sunset High School
 - 1st: Rishab Jain: Westview High School

CHEMISTRY

- sponsored by: The Bilow Group
 - 3rd : Oaklyn Hill : Wilsonville High School
 - 2nd: Autri Das: Sunset High School
 - 1st: Sydney Slusher: Oregon Episcopal School

COMPUTER SCIENCE AND ROBOTICS

- sponsored by: bytemains
 - · HM: Lauren Gault: West Linn High School
 - 3rd : Roshan Ramakrishnan : FLEX Online School
 - 2nd: Peter Ye: Catlin Gabel School
 - 1st: Samyak Shrimali: Jesuit High School

ENERGY AND ENVIRONMENTAL ENGINEERING

- sponsored by: NorthWest Engineering Service, Inc.
 - HM: Deeksha Easwar: Beaverton Academy of Science and Engineering
 - 3rd : Teaghan Knox : Bend Science Station
 - 2nd: Grace Sato: West Linn High School
 - 1st: Yasmin Iyer: Oregon Episcopal School

ENGINEERING: BIOENGINEERING AND MATERIALS

- sponsored by: Absci
 - · HM: Alana Ryan: West Linn High School
 - HM: Eden Pepos: Wilsonville High School
 - 3rd: Vedant Pawar: International School of Beaverton
 - 2nd: Pratik Vangal: Sunset High School
 - 1st: Vladimir Mamchik: Jesuit High School

ENGINEERING: ELECTRICAL AND MECHANICAL

- sponsored by: Ralph M Cohen Consultancy
 - HM: Akash Pai: Sunset High School
 - 3rd: Shreya Suresh: Sunset High School
 - 2nd: Ishan Ahluwalia: Jesuit High School
 - 1st: Aditi Bhaskar: Wilsonville High School

ENVIRONMENTAL AND EARTH SCIENCES

- sponsored by: Oregon Forest Resources Institute
 - HM: Mihir Joshi: South Salem High School
 - 3rd: Sydney Taylor: West Linn High School
 - 2nd : Simone Alexander : Bend Science Station
 - 1st: Mithra Karamchedu: Jesuit High School

MATHEMATICAL SCIENCES

- sponsored by: Stephen & Esther Portnoy
 - HM: Zane Othman-Gomez: Liberty High School
 - 3rd: Shawn Nakayama: Oregon Episcopal School
 - 2nd: Sanay Sehgal: Beaverton Academy of Science and Engineering
 - 1st: Ram Goel: Krishna Homeschool

MEDICINE AND HEALTH SCIENCES

- sponsored by: Oregon Health & Sciences University
 - HM : Tharusha Seagoe : Mountainside High School
 - 3rd: Edward Brezina: Oregon Episcopal School
 - 2nd: Aashvi Busa: Sunset High School
 - 1st: Ronald Lin: International School of Beaverton

MICROBIOLOGY

- sponsored by: Dr. Larry Sherman
 - 3rd: Madeleine Raymond: Oregon Episcopal School
 - 2nd: Isabella Scalise: Wilsonville High School
 - 1st: Rushil Srirambhatla: Westview High School

PHYSICS AND ASTRONOMY

- sponsored by: Eclipse Technologies
 - HM : Maxwell Tsai : Oregon Episcopal School
 - HM: John Madland: South Salem High School
 - 3rd : Ishaan Agrawal, Luke Meier, Aron Wang : Beaverton Academy of Science and Engineering
 - · 2nd : Leon Garcia : Corvallis High School
 - 1st: Alexander Plekhanov: Beaverton Academy of Science and Engineering

PLANT SCIENCES

- sponsored by: Oregon Forest Resources Institute
 - HM: Casey Hermanson: Bend Science Station
 - 3rd : Alorah Rencher : Mountainside High School
 - 2nd: Caden Zamastil: Catlin Gabel School
 - 1st: Rachel Warner: Oregon City 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
 - Pun Siripun, Oregon Episcopal School
 - Richard Deng, Lincoln High School

OUTSTANDING GEOSCIENCE PROJECT

- sponsored by: Association Of Women Geoscientists, certificate
 - Clara McAuley, Oregon Episcopal School

OUTSTANDING AQUATIC RELATED ENVIRONMENTAL SCIENCE PROJECT

- sponsored by: Lake Oswego Corporation, certificate & \$75
 - Sydney Taylor, West Linn High School
 - Sabine Dickerson, International School of Beaverton
 - Isabella Buzzelli, West Linn High School

NASA EARTH SYSTEM SCIENCE AWARD

- sponsored by: NASA, certificate
 - Zoe Heino, Mountainside High School

CULTIVATING EMPATHY FOR THE EARTH AWARD

- sponsored by: National Geographic Society, certificate & \$100
 - Dev-Rishi Udata, Jesuit High School

NOAA'S TAKING THE PULSE OF THE PLANET

- sponsored by: National Oceanic and Atmospheric Administration, certificate
 - Simone Alexander, Bend Science Station
 - Dev-Rishi Udata, Jesuit High School

AWARD FOR EXCELLENCE IN SCIENTIFIC RESEARCH IN ENVIRONMENTAL HEALTH

- sponsored by: Oregon Environmental Health Association, certificate & \$150
 - Alan Ma, Jesuit High School

OUTSTANDING NATURAL RESOURCES SCIENCE PROJECT

- sponsored by: Pacific NW Research Station, USDA Forest Service, plaque
 - Mithra Karamchedu, Jesuit High School

SUSTAINABLE DEVELOPMENT AWARD

- sponsored by: Ricoh Corporation, certificate
 - Aditi Bhaskar, Wilsonville High School

SATELLITES AND EDUCATION CONFERENCE AWARD

- sponsored by: Satellite Educators Association, invitation to present at virtual conference this summer
 - Leon Garcia, Corvallis High School
 - Ishaan Agrawal, Luke Meier, Aron Wang, Beaverton Academy of Science and Engineering
 - Mithra Karamchedu, Jesuit High School

OUTSTANDING PROJECT IN IN VITRO BIOLOGY

- sponsored by: Society for in Vitro Biology, certificate
 - Lucien Dao, Oregon Episcopal School

PACIFIC NORTHWEST SCIENTIST AWARD

- sponsored by: The Pacific Northwest Local Section of AIHA, certificate
 - Ronald Lin, International School of Beaverton
 - Edward Brezina, Oregon Episcopal School
 - Aida Fakhry, Sunset High School

SCIENCE CHAMPION AWARD

- sponsored by: U.S. Agency for International Development, certificate & social media kit
 - Richard Deng, Lincoln High School

U.S. REGIONAL STOCKHOLM JUNIOR WATER PRIZE

- sponsored by: Water Environment Federation, certificate
 - Mihir Joshi, South Salem High School
 - Avni Sharma, Jesuit High School

OUTSTANDING APPLIED OR PRACTICAL CHEMISTRY PROJECT BY A JUNIOR OR SENIOR

- sponsored by: Portland Industrial Chemists'
 Association/American Chemical Society, certificate & \$250
 - Sydney Slusher, Oregon Episcopal School

OUTSTANDING PROJECT IN MATERIALS SCIENCE

- sponsored by: ASM International Foundation, certificate & medal
 - Pratik Vangal, Sunset High School

OUTSTANDING PROJECT BY AN 11TH GRADE STUDENT

- sponsored by: Yale University Science and Engineering Association, certificate & medal
 - Samyak Shrimali, Jesuit High School

OUTSTANDING USE OF THE INTERNATIONAL SYSTEM OF UNITS

- sponsored by: U.S. Metric Association, certificate
 - Alorah Rencher, Mountainside High School
 - Uma Grover, Melinda Lin, West Linn High School
 - Devin Hayden, Mountainside High School

OUTSTANDING RESEARCH IN PSYCHOLOGY

- sponsored by: American Psychological Association, certificate
 - Jaiyoun Choi, Westview High School

PROJECT UNTANGLED EXCELLENCE IN MENTAL OR BEHAVIORAL HEALTH RESEARCH AWARD

- sponsored by: Project Untangled, certificate & \$100
 - Ayushi Mallick, West Linn High School

NAVAL EXCELLENCE IN SCIENCE AND ENGINEERING AWARD

- sponsored by: Office of Naval Research, US Navy and Marine Corps, certificate, medal & gift card
 - Alan Ma, Jesuit High School
 - Grace Sato, West Linn High School
 - John Madland, South Salem High School
 - Dev-Rishi Udata, Jesuit High School

OUTSTANDING CHEMISTRY PROJECT

- sponsored by: American Chemical Society, Portland Section, certificate & \$250
 - Autri Das, Sunset High School

TOM OWEN HONORABLE MENTION

- sponsored by: Oregon Chapter of the American Statistical Association, certificate
 - Madison Carson, Oregon Episcopal School
 - Yuankai Gao, Oregon Episcopal School
 - Christine Zhang, Oregon Episcopal School
 - Jaiyoun Choi, Westview High School
 - Summer Tan, Julia Hernandez, West Linn High School
 - Darsh Mandera, Jesuit High School
 - Tharusha Seagoe, Mountainside High School
 - Aasha Patel, Wilsonville High School
 - Ishaan Agrawal, Luke Meier, Aron Wang, Beaverton Academy of Science and Engineering
 - Rachel Warner, Oregon City High School
 - Mihir Joshi, South Salem High School

TOM OWEN AWARD FOR EXCELLENCE IN STATISTICS

- sponsored by: Oregon Chapter of the American Statistical Association, certificate & \$100
 - Alan Ma, Jesuit High School
 - Matthew Chan, Oregon Episcopal School
 - Teaghan Knox, Bend Science Station

SCHOLARSHIPS AND VERY SPECIAL AWARDS

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 \$29,500 for the 2022-2023 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.

REGENERON BIOMEDICAL SCIENCE AWARD

- sponsored by: Regeneron, certificate & \$500
 - Rishab Jain, Westview High School

PORTLAND STATE UNIVERSITY SCHOLARSHIPS

- sponsored by: Portland State University
- \$5000 nonrenewable scholarship to PSU
 - Matthew Chan, Oregon Episcopal School
 - Mithra Karamchedu, Jesuit High School
 - Rachel Warner, Oregon City High School
 - Alex Chen, Oregon Episcopal School
 - Aashvi Busa, Sunset High School

OSU GENERAL SCHOLARSHIP

- sponsored by: Oregon State University
- \$5000 nonrenewable scholarship to OSU
 - Alan Ma, Jesuit High School
 - Aditi Bhaskar, Wilsonville High School
 - Shreya Suresh, Sunset High School

UNIVERSITY OF OREGON SCHOLARSHIPS

- sponsored by: University of Oregon
- \$9000 renewable scholarship for up to 4 years
 - Ronald Lin, International School of Beaverton
 - Rushil Srirambhatla, Westview High School
 - Christine Zhang, Oregon Episcopal School

REGENERON ISEF FINALIST

- sponsored by: Northwest Science Expo System
- Will compete at the Regeneron ISEF
 - Vladimir Mamchik, Jesuit High School
 - Ram Goel, Krishna Homeschool
 - Ishan Ahluwalia, Jesuit High School
 - Ronald Lin, International School of Beaverton
 - Mithra Karamchedu, Jesuit High School
 - Rishab Jain, Westview High School

BEST OF FAIR-PHYSICAL

- sponsored by: Students of Dr. Bill Lamb
- Trophy & \$500
 - Vladimir Mamchik, Jesuit High School

BEST OF FAIR-LIFE

- sponsored by: Students of Dr. Bill Lamb
- Trophy & \$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 2023. 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