



**Welcome to the  
Northwest Science Expo  
2020 High School Award  
Ceremony**

Presented by Portland State University

# Thank you to all our Sponsors!

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- ▶ **Silver Sponsor**  
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## Northwest Science Expo System Sponsors

- ▶ **Gold Sponsor:** Willamette University
- ▶ **Silver Sponsor:** Genentech  
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- ▶ **Bronze Sponsor:** Optimist Club of Hillsboro
- ▶ **Supporter:** Micro Systems Engineering, Inc
- ▶ **Investor:** AbSci
- ▶ **Friend:** Neal Cox

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

# Thank you!

- ▶ We are very grateful for the 20 years of sponsorship Intel provided the Northwest Science Expo. That support allowed us to build the great relationships which provided funds for this year.
- ▶ I am incredibly thankful for all the people who made this fair possible. That includes Sponsors, Judges, Regional Fair Directors, Key Volunteers, Teachers, Mentors, Parents and Students. This was not the fair we were expecting, however with ingenuity, patience, and flexibility we made it happen.
- ▶ By Monday I will be emailing adult sponsors judge comments for each project in a Google spreadsheet. I will be packaging all the awards and sending them through the mail so all students who are recognized here must reopen their NWSE account and update their mailing address as soon as possible. I expect this to take most of the week.

Stay home and Stay healthy.  
Stephanie Jones, Fair director



# Category Awards

If your name appears I will need your mailing address, please enter it in online registration so that you can receive your award.

Category Prizes include \$50 for first place provided by the listed sponsor.

- ▶ 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> place receive a medal.
- ▶ Honorable mention receives a ribbon.



# **Animal Sciences**

- ▶ **sponsored by the Columbia-Willamette Chapter of Sigma Xi**
  - ▶ **HM : Josef Liem Oregon Episcopal School**
  - ▶ **3rd : Eric Kim Sunset High School**
  - ▶ **2nd : Alan Ma Jesuit High School**
  - ▶ **1st : Alex Shaffer Bend Science Station**

# **Behavioral and Social Science**

- ▶ **sponsored by Portland Alcohol Research Center at OHSU & VAMC**
  - ▶ **HM : Amy Wang Catlin Gabel School**
  - ▶ **HM : Vi Edwards Arts and Technology High School**
  - ▶ **3rd : Tiffany Liang Oregon Episcopal School**
  - ▶ **2nd : Rachael Bufalino Sprague High School**
  - ▶ **1st : Jill Brody, Teagan Sheffield West Linn High School**

# Biochemistry

- ▶ sponsored by **Catalyst Education and Career Pathways**
  - ▶ **HM : Maya Khalife-Hamdan Oregon Episcopal School**
  - ▶ **3rd : Cameron Le Oregon Episcopal School**
  - ▶ **2nd : Eleanor Courcelle Franklin High School**
  - ▶ **1st : Dev-Rishi Udata Jesuit High School**



# **Cellular and Molecular Biology**

- ▶ **sponsored by Columbia-Willamette Chapter of Sigma Xi**
  - ▶ **HM : Suyoun Choi Westview High School**
  - ▶ **3rd : Arjun Jain Catlin Gabel School**
  - ▶ **2nd : Roselyn Dai Lakeridge High School**
  - ▶ **1st : Qijia Liu Westview High School**

# Chemistry

▶ **sponsored by The Bilow Group**

- ▶ **HM : Kevin Zhang International School of Beaverton**
- ▶ **HM : Nanati Fetene Oregon Episcopal School**
- ▶ **3rd : Marissa Kuo, Samuel Glassman Jesuit High School**
- ▶ **2nd : Sonia Shenoy Oregon Episcopal School**
- ▶ **1st : Vedanth Iyer Sunset High School**

# Computer Science and Robotics

## ▶ sponsored by Intel Employees

- ▶ **HM : Elijah Cirioli, Casey Culbertson West Linn High School**
- ▶ **HM : Nathan Rumsey West Linn High School**
- ▶ **3rd : Avi Lance, William Richards, Vishwesh Krishnamurthy Liberty High School**
- ▶ **2nd : Anwasha Mukherjee Westview High School**
- ▶ **1st : Darsh Manderia Jesuit High School**

# **Energy and Environmental Engineering**

- ▶ **sponsored by NorthWest Engineering Service Inc**
  - ▶ **HM : Grace Sato West Linn High School**
  - ▶ **HM : Ikechukwu Okoro Oregon Episcopal School**
  - ▶ **3rd : Toby Ueno Oregon Episcopal School**
  - ▶ **2nd : Veronica Cooke West Salem High School**
  - ▶ **1st : Teaghan Knox Bend Science Station**

# **Engineering: Bioengineering and Materials**

## **▶ sponsored by AbSci**

- ▶ HM : Ishaan Sinha, Owen Caverly Glencoe High School**
- ▶ 3rd : Anushka Naiknaware Lake Oswego High School**
- ▶ 2nd : Vladimir Mamchik Jesuit High School**
- ▶ 1st : Mingya Wang Oregon Episcopal School**

# **Engineering: Electrical and Mechanical**

- ▶ **sponsored by Ralph M Cohen Consultancy**
  - ▶ **HM : Andrew Nordstrom Trinity Lutheran School**
  - ▶ **2nd : Samyak Shrimali Jesuit High School**
  - ▶ **2nd : Wenjun Hou Jesuit High School**
  - ▶ **1st : Ryan Westcott Oregon Episcopal School**

# **Environmental and Earth Sciences**

## **▶ sponsored by Joyous**

- ▶ HM : Maddy Carson Oregon Episcopal School**
- ▶ HM : Isabella Huerta Bend Science Station**
- ▶ 2nd : Reed Talus International School of Beaverton**
- ▶ 2nd : Mihir Joshi South Salem High School**
- ▶ 1st : Lila Schweinfurth Oregon Episcopal School**

# Mathematical Sciences

- ▶ **sponsored by Stephen and Esther Portnoy**
  - ▶ **HM : Owen Engbretson Liberty High School**
  - ▶ **HM : Aditi Bhaskar Wilsonville High School**
  - ▶ **3rd : Tommy Zeng Oregon Episcopal School**
  - ▶ **2nd : Advay Koranne Catlin Gabel School**
  - ▶ **1st : Rupert Li Jesuit High School**



# Medicine and Health Sciences

- ▶ **sponsored by Oregon Health and Sciences University**
  - ▶ **HM : Alex Lim, Ronald Lin International School of Beaverton**
  - ▶ **3rd : Katie Bruun West Linn High School**
  - ▶ **2nd : Mimi Papathanasopoulos, Cecilia Hua Oregon Episcopal School**
  - ▶ **1st : Rishab Jain Westview High School**

# **Microbiology**

- ▶ **sponsored by Dr. Larry Sherman**
  - ▶ **HM : Mithra Karamchedu Jesuit High School**
  - ▶ **3rd : Maura Schramm Wilsonville High School**
  - ▶ **2nd : Clara Garza, Stevie Fawcett Bend Science Station**
  - ▶ **1st : Annie Nguyen Oregon Episcopal School**

# Physics and Astronomy

- ▶ **sponsored by Eclipse Technologies**
  - ▶ **HM : Amelia Ulmer, Sylvie Bissell Oregon Episcopal School**
  - ▶ **3rd : Nividh Singh Sunset High School**
  - ▶ **2nd : Lucas Braun School of Science & Technology**
  - ▶ **1st : Albert Lu, Colin Liu Westview High School**

# Plant Sciences

- ▶ **sponsored by Oregon Forest Resources Institute**
  - ▶ **HM : Kathrine Magee Oregon Episcopal School**
  - ▶ **HM : Sebastian Rinaldi Mountainside High School**
  - ▶ **3rd : Logan Verplancke Mountainside High School**
  - ▶ **2nd : Grace Borbon, Charles Hatcher Oregon Episcopal School**
  - ▶ **1st : Kara Gaiser Oregon Episcopal School**

# Special Awards

If your name appears I will need your mailing address. Please enter it in online registration so that you can receive your award.

# **Outstanding Project in an Atmospheric Science Exhibit certificate**

- ▶ **sponsored by American Meteorological Society**
  - ▶ **Niematullah Hussein, Oregon Islamic Academy**



# **NASA Earth System Science Award certificate**

▶ **sponsored by NASA**

▶ **Viv Kiss, Yaya Kiss, Wilsonville High School**



# **NOAA's Taking the Pulse of the Planet certificate**

- ▶ **sponsored by the National Oceanic and Atmospheric  
Administration**
  - ▶ **Evelyne Knight, Camryn Lau, Wilsonville High School**



# **Outstanding Air Quality Project plaque**

- ▶ **sponsored by Southwest Clean Air Agency**
  - ▶ **Ezra Rich, Catlin Gabel School**



# **Pacific Northwest Scientist Award certificate**

- ▶ **sponsored by The Pacific Northwest Local Section of  
AIHA**
  - ▶ **Adamari Saldana, Gresham High School**
  - ▶ **Irene Lim, International School of Beaverton**
  - ▶ **Alexis Klementis, Gresham High School**

## **U.S. Regional Stockholm Junior Water Prize certificate nomination for state contest**

- ▶ **sponsored by Water Environment Federation**
  - ▶ **Payton Gault, Avery Rust, West Linn High School**
  - ▶ **Kaitlyn Rumsey, West Linn High School**

# **Women in Science Award certificate**

- ▶ **sponsored by Women in Industrial Hygiene (WIH - AIHA) Professional Development Committee of AIHA**
  - ▶ **Hayley Smith, Mountainside High School**
  - ▶ **Muna Daher, Malak Shams, Oregon Islamic Academy**

# **Outstanding Project in Materials Science certificate**

- ▶ **sponsored by ASM International Foundation**
  - ▶ **Melania Kitsis, West Linn High School**



# **Mu Alpha Theta Award certificate**

- ▶ **sponsored by Mu Alpha Theta**
  - ▶ **Advay Koranne, Catlin Gabel School**
  - ▶ **Rupert Li, Jesuit High School**



# **Sustainable Development Award certificate**

- ▶ **sponsored by Ricoh Corporation**
  - ▶ **Katarina Pejcinovic, West Linn High School**



# **Outstanding Project by an 11th Grade Student certificate & medal**

- ▶ **sponsored by Yale University Science and  
Engineering Association**
  - ▶ **Wenjun Hou, Jesuit High School**





# **Outstanding Research in Psychology certificate**

- ▶ **sponsored by American Psychological Association**
  - ▶ **Anna-Blake Patrick, Oregon Episcopal School**



# **Outstanding Aquatic Related Environmental Science Project \$50 certificate**

- ▶ **sponsored by Lake Oswego Corporation**
  - ▶ **Isabella Huerta, Bend Science Station**



**Award for Excellence in Scientific Research in  
Environmental Health  
\$120 and certificate**

- ▶ **sponsored by Oregon Environmental Health  
Association**
  - ▶ **Irene Lim, International School of Beaverton**

**Outstanding Applied or Practical Chemistry  
Project by a Junior or Senior  
\$250 shared certificates**

- ▶ **sponsored by Portland Industrial Chemists'  
Association/American Chemical Society**
  - ▶ **Marissa Kuo, Samuel Glassman, Jesuit High School**

# **Outstanding Chemistry Project**

## **\$250 certificate**

- ▶ **sponsored by American Chemical Society, Portland Section**
  - ▶ **Vedanth Iyer, Sunset High School**



## **Naval Excellence in Science and Engineering Award \$75 gift card, certificate**

- ▶ **sponsored by Office of Naval Research, US Navy and Marine Corps**
  - ▶ **Katie Bruun, West Linn High School**
  - ▶ **Alan Ma, Jesuit High School**
  - ▶ **Sydney Phipps, West Linn High School**
  - ▶ **Nividh Singh, Sunset High School**

# **U.S. Air Force Outstanding Project Goodie bag**

- ▶ **sponsored by U.S. Air Force**
  - ▶ **Kaitlyn FitzHenry, Trinity Lutheran School**
  - ▶ **Jesse Hayworth, Wilsonville High School**
  - ▶ **Amy Wang, Catlin Gabel School**
  - ▶ **Anushka Naiknaware, Lake Oswego High School**

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the left and right sides of the page, framing the central text. The shapes include triangles, trapezoids, and irregular polygons, some with semi-transparent effects that create layered visual depth.

# Very Special Awards



# **Oregon State University Scholarships**

**\$5000 not renewable**

- ▶ **sponsored by Oregon State University**
  - ▶ **Lila Schweinfurth, Oregon Episcopal School**
  - ▶ **Teaghan Knox, Bend Science Station**
  - ▶ **Darsh Manderia, Jesuit High School**

# **University of Oregon Scholarships**

**\$9000 renewable for 4 years**

- ▶ **sponsored by University of Oregon**
  - ▶ **Rishab Jain, Westview High School**
  - ▶ **Alex Shaffer, Bend Science Station**
  - ▶ **Albert Lu, Westview High School**
  - ▶ **Colin Liu, Westview High School**

## Regeneron ISEF Awards

- ▶ With the cancellation of the 2020 Regeneron ISEF, students are still selected for this honor and will register online for the International fair. ISEF is planning to publish the abstracts of all the projects and may try a virtual gathering.
- ▶ Within the state we will be printing a special t-shirt for our finalists and will host a dinner when it is considered safe to gather.

# **GBSE ISEF Finalists t-shirt and dinner**

- ▶ **sponsored by Northwest Science Expo System**
  - ▶ **Hannah Fransen, Nathan Daret, Dylan Hess, Gresham High School**
  - ▶ **Darsh Mander, Jesuit High School**
  - ▶ **Samyak Shrimali, Jesuit High School**

# **PPSSE ISEF Finalists t-shirt and dinner**

- ▶ **sponsored by Portland Public Schools**
  - ▶ **Eleanor Courcelle, Franklin High School**
  - ▶ **Natalie Wang, Lincoln High School**



# **NWSE ISEF Finalist T-shirt and dinner**

- ▶ **sponsored by Northwest Science Expo System**
  - ▶ **Rishab Jain, Westview High School**
  - ▶ **Qijia Liu, Westview High School**
  - ▶ **Annie Nguyen, Oregon Episcopal School**
  - ▶ **Rupert Li, Jesuit High School**
  - ▶ **Mingya Wang, Oregon Episcopal School**
  - ▶ **Teaghan Knox, Bend Science Station**

# **Best of Fair-Physical \$200 and trophy**

- ▶ **sponsored by The Vardhana Family**
  - ▶ **Rupert Li, Jesuit High School**



# **Dr. Lamb Award & Best of Fair-Life \$1000, certificate and trophy**

- ▶ **sponsored by The Students of Dr. Bill Lamb**
  - ▶ **Rishab Jain, Westview High School**
- ▶ **The Dr. Lamb award is given to the Best of Fair project which best represents an application of science or engineering to solve an important human problem.**



