

NWSE and NWSES sponsors

Genentech
A Member of the Roche Group

 **BROADCOM**[®]
FOUNDATION

ThermoFisher
S C I E N T I F I C



Students of Dr. Bill Lamb

NWSE and NWSES sponsors

Optimist Club of Hillsboro

Richard and Adela Knight

Columbia-Willamette Chapter of Sigma Xi

Micro Systems Engineering, Inc

Oregon Health & Sciences University

Anita & Vijay Rao

IEEE Oregon Section

Narjala & Shanda Bhasker

Kelly & Stephanie Jones

Mike & Elaine Sawyer

And many more who choose to remain anonymous and at Friend levels

Thermo Fisher Scientific Junior Innovators Challenge

- ▶ <https://www.youtube.com/watch?v=OXTQQqBOqU8>
- ▶ 30 students from around the nation selected
- ▶ Trip to Washington DC



The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern and dynamic design.

Keynote Speaker

Leilany Lim, Thermo Fisher Scientific

The background features abstract, overlapping green geometric shapes in various shades of lime and forest green, creating a modern, angular design. The shapes are primarily located on the left and right sides of the slide, framing the central text.

Northwest Science Expo Award Ceremony

April 11, 2025
Middle School

Thermo Fisher Advancing Equity through Innovation

- ▶ **sponsored by: Thermo Fisher Scientific**
 - ▶ **Saveri Sundaram : Meridian Creek Middle School**
 - ▶ **Molly Grubbs : The Marylhurst School**
 - ▶ **Aditi Dhananjay : Summa Stoller**
 - ▶ **Eugene Kim : Summa Stoller**
 - ▶ **Ellie Tyler : Summa Whitford**

The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern and dynamic visual effect. The shapes are layered, with some appearing more prominent than others, and they extend towards the edges of the frame.

Category Awards

Animal Science and Microbiology

- ▶ **sponsored by: Columbia-Willamette Chapter of Sigma Xi**
 - ▶ **HM : Brooke Larson, Everett Schaefer : German International School**
 - ▶ **HM : Maitri Ghosh : Summa Tumwater**
 - ▶ **3rd : Hadley Miken, Addie Yates : The Marylhurst School**
 - ▶ **3rd : Evelyn Crossman : Bend Science Station**
 - ▶ **2nd : Anushi Mittal : Willamette Valley Academy**
 - ▶ **1st : Maeve McDonough, Scarlett August : Cascades Academy of Central Oregon**

Behavioral and Social Science

- ▶ **sponsored by: Oregon Health & Sciences University**
 - ▶ **HM : Jasper Ballhorn, Jonathan Burningham : Whitford Middle School**
 - ▶ **3rd : Claire Buyserie : Summa Whitford**
 - ▶ **2nd : Ankitha Navya Chhabbi : Meadow Park Middle School**
 - ▶ **1st : Isabel Liu, Maddy Kuruvilla : Lake Oswego Junior High**

Chemistry

► sponsored by: The Bilow Group

- HM : Caela Fitton : Classical Conversations Homeschool
- HM : Saveri Sundaram : Meridian Creek Middle School
- 3rd : Harshil Gautam, Jayden Seo : Summa Tumwater
- 3rd : Alex Zigoneanu : International School of Beaverton Middle School
- 2nd : Shaayan Punj : Summa Whitford
- 1st : Isha Marla : Summa Tumwater

Computer Science and Robotics

- ▶ **sponsored by: Eclipse Technologies**
 - ▶ **HM : Jason Lin : Summa Meadow**
 - ▶ **HM : Vibhu Swarna, Rishi Uthaman : Summa Tumwater**
 - ▶ **HM : Zunyra Kadri : International School of Beaverton Middle School**
 - ▶ **3rd : Armaan Chadha, Gagan Girish : Summa Tumwater**
 - ▶ **3rd : Wilson Chen : Summa Meadow**
 - ▶ **3rd : Kai Benson, Xavier Jin : ACCESS Academy**
 - ▶ **2nd : Mark Gurevich, David Cui : Lake Oswego Junior High**
 - ▶ **2nd : Jack Tyler : Summa Whitford**
 - ▶ **1st : Ananya Saraswat : Summa Stoller**

Consumer Products and Materials Testing

- ▶ **sponsored by: Ralph M. Cohen Consultancy**
 - ▶ **HM : Emmett Jacob : ACCESS Academy**
 - ▶ **HM : Zoe Tyvand, Soleil Neeb : Cascades Academy of Central Oregon**
 - ▶ **HM : Avery Anderson : Five Oaks Middle School**
 - ▶ **3rd : Eleonore Krasser, Eliot Knowles : German International School**
 - ▶ **3rd : Lily Smith, Thielsen Groza : Cascades Academy of Central Oregon**
 - ▶ **3rd : Reagan McMullen : International School of Beaverton Middle School**
 - ▶ **2nd : Alex Streifer : Summa Whitford**
 - ▶ **2nd : Wingsy Chen : Rosemont Ridge Middle School**
 - ▶ **1st : Sarah Selleck : International School of Beaverton Middle School**

Earth, Weather and Mineral Science

- ▶ **sponsored by: Columbia-Willamette Chapter of Sigma Xi**
 - ▶ **HM : Sahasra Kamisetti : Summa Stoller**
 - ▶ **HM : Jeremy Lim : Summa Stoller**
 - ▶ **HM : Emma Cheng : International School of Beaverton Middle School**
 - ▶ **3rd : Sam Wolff : Whitford Middle School**
 - ▶ **3rd : Grace Lim, Aruna Pudasaini : Summa Meadow**
 - ▶ **3rd : Krish Telang : Summa Stoller**
 - ▶ **2nd : Elise Then : Summa Tumwater**
 - ▶ **2nd : Verna Acharya : Summa Stoller**
 - ▶ **1st : Grant Delapoer : Summa Whitford**

Energy

- ▶ **sponsored by: NorthWest Engineering Service, Inc**
 - ▶ **HM : Ava Bradley-Tsygahova : Rosemont Ridge Middle School**
 - ▶ **HM : Ada Breit : Cascades Academy of Central Oregon**
 - ▶ **HM : Otis Gonzales : Leslie Middle School**
 - ▶ **3rd : Cooper Marsh : Winterhaven Middle School**
 - ▶ **3rd : Nicolas Rillema, Jett Roediger, Devran Yazicigil : German International School**
 - ▶ **3rd : Sahithi Ainampudi : Summa Meadow**
 - ▶ **2nd : Oliver Shadbeh, Kenyon Spurbeck : German International School**
 - ▶ **2nd : Dhruv Barve : Summa Stoller**
 - ▶ **1st : Bella Lin : Summa Meadow**

Engineering

► **sponsored by: Claude and Florence Zeller**

- **HM : Milton Friedman, Aveek Vinoth : Lake Oswego Junior High**
- **HM : Ella Pyle : Rosemont Ridge Middle School**
- **HM : Andrew Bennett : Five Oaks Middle School**
- **3rd : Maxwell Powers : Yamhill Carlton School District**
- **3rd : Ansh Garg, Richard Brock : Meridian Creek Middle School**
- **3rd : Lily Englert, Saren McGinnis, Kayla Goodin : Gresham-Barlow School District**
- **2nd : Kylee Humble : Summa Whitford**
- **2nd : Sam Eide : Summa Whitford**
- **1st : Albert Liu : Willamette Valley Academy**

Environmental Science

- ▶ **sponsored by: Oregon Forest Resources Institute**
 - ▶ **HM : Sophie Flynn : Winterhaven Middle School**
 - ▶ **HM : Shristi Raghavendra : Summa Tumwater**
 - ▶ **HM : Aditi Dhananjay : Summa Stoller**
 - ▶ **3rd : Annie Kodidheti : Summa Meadow**
 - ▶ **3rd : Jithuli Weerasekera : Summa Whitford**
 - ▶ **2nd : Owen Ni : Lake Oswego Junior High**
 - ▶ **1st : Josie Ramirez : The Marylhurst School**

Food Science

- ▶ **sponsored by: Dr. Larry Sherman**
 - ▶ **HM : Isla Sivakumar, Ruth Kidane, Mia DeJesus : German International School**
 - ▶ **HM : Nina Kisliuk, Laura Konrad : German International School**
 - ▶ **3rd : Lily Angle : International School of Beaverton Middle School**
 - ▶ **3rd : Adeline Daily : Winterhaven Middle School**
 - ▶ **2nd : Amalia Elbaz : Winterhaven Middle School**
 - ▶ **1st : Nitya Thungathurti : Summa Tumwater**

Mathematical Sciences

- ▶ **sponsored by: Stephen and Esther Portnoy**
 - ▶ **HM : Calvin Sainis, Thomas Tee : Lake Oswego Junior High**
 - ▶ **3rd : Shawn Chen : ACCESS Academy**
 - ▶ **2nd : Lincoln Eames : Winterhaven Middle School**
 - ▶ **1st : Shanran Lee : Summa Stoller**

Medicine and Health Sciences

- ▶ **sponsored by: Oregon Health & Sciences University**
 - ▶ **HM : Kylie Stevens : Summa Whitford**
 - ▶ **3rd : Tygh Wacker : Silverton Middle School**
 - ▶ **2nd : Ellie Tyler : Summa Whitford**
 - ▶ **2nd : Eesha Juneja : Summa Stoller**
 - ▶ **1st : Inchara Shree : Summa Tumwater**

Physics

► sponsored by: **Claude and Florence Zeller**

- **HM : Josh Hayner, Vincent Heraeus : Cascades Academy of Central Oregon**
- **HM : Katie Woodard : Rachel Carson Environmental Middle School**
- **HM : Dylan Durante : Wood Middle School**
- **3rd : Leo Bang : Stoller Middle School**
- **3rd : Sebastian Breiling : International School of Beaverton Middle School**
- **3rd : Johannes Skovron : Banks Middle School**
- **2nd : Laila Mousa, Aishah Mushir : Summa Meadow**
- **2nd : Jasper Wong : Winterhaven Middle School**
- **1st : Lucille Pena : Classical Conversations Homeschool**

Plant Sciences

- ▶ **sponsored by: Oregon Forest Resources Institute**
 - ▶ **HM : Austin Lang : Summa Whitford**
 - ▶ **HM : Bryn Larson, Daphne Kelly : German International School**
 - ▶ **3rd : Kartik Nandigam : Stoller Middle School**
 - ▶ **2nd : Cameron Acton : Summa Meadow**
 - ▶ **1st : Eugene Kim : Summa Stoller**

The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green. These shapes are positioned on the left and right sides of the slide, framing the central text. The overall aesthetic is modern and minimalist.

Special awards

NOAA's Taking the Pulse of the Planet

- ▶ **sponsored by: National Oceanic and Atmospheric Administration**
 - ▶ **Emma Cheng : International School of Beaverton Middle School**
 - ▶ **Aditi Dhananjay : Summa Stoller**

Outstanding Research in Psychology

- ▶ **sponsored by: American Psychological Association**
 - ▶ **Luke Ryan : St. Francis of Assisi School**

Outstanding Geoscience Project

- ▶ **sponsored by: Association Of Women Geoscientists**
 - ▶ **Josie Ramirez : The Marylhurst School**

Outstanding Aquatic Related Environmental Science Project

- ▶ **sponsored by: Lake Oswego Corporation**
 - ▶ **Evelyn Grossen : Silverton Middle School**
 - ▶ **Remy Ford : The Marylhurst School**
 - ▶ **Genevieve Perata : Rachel Carson Environmental Middle School**

NASA Earth System Science Award

▶ **sponsored by: NASA**

▶ **Sahasra Kamiseti : Summa Stoller**



Water Prize Award of Excellence

- ▶ **sponsored by: Water Environment Federation**
 - ▶ **Arghawan Hamidi : Oregon Islamic Academy**
 - ▶ **Hazel Webber : Whitford Middle School**

Ricoh Sustainable Development Award

- ▶ **sponsored by: Ricoh Corporation**
 - ▶ **Bryan Wu, Joshua King : Summa Whitford**



Tom Owen Honorable Mention

- ▶ **sponsored by: Oregon Chapter of the American Statistical Association**
 - ▶ **Evelyn Crossman : Bend Science Station**
 - ▶ **Anushi Mittal : Willamette Valley Academy**

Tom Owen Award for Excellence in Statistics

- ▶ **sponsored by: Oregon Chapter of the American Statistical Association**
 - ▶ **Molly Grubbs : The Marylhurst School**
 - ▶ **Jack Tyler : Summa Whitford**
 - ▶ **Grace Lim, Aruna Pudasaini : Summa Meadow**

Outstanding Use of the International System of Units

- ▶ **sponsored by: U.S. Metric Association**
 - ▶ **Harshil Gautam, Jayden Seo : Summa Tumwater**
 - ▶ **Hattie Fisher, Macie Bellamy : Gresham-Barlow School District**

Naval Excellence in Science and Engineering Award

- ▶ **sponsored by: Office of Naval Research, US Navy and Marine Corps**
 - ▶ **River McLaughlin : Leslie Middle School**
 - ▶ **Otis Gonzales : Leslie Middle School**
 - ▶ **Vihaan Manipatruni : Willamette Valley Academy**
 - ▶ **Nathaniel Wang : ACCESS Academy**
 - ▶ **Aditri Saha : Stoller Middle School**

U.S. Air Force Outstanding Project

- ▶ **sponsored by: U.S. Air Force**
 - ▶ **Albert Liu : Willamette Valley Academy**
 - ▶ **Sarah Selleck : International School of Beaverton Middle School**
 - ▶ **Eesha Juneja : Summa Stoller**
 - ▶ **Bella Lin : Summa Meadow**
 - ▶ **Josh Hayner, Vincent Heraeus : Cascades Academy of Central Oregon**

Broadcom Coding with Commitment

- ▶ **sponsored by: Broadcom Foundation**
 - ▶ **Vibisha Shanmugam : Stoller Middle School**



Outstanding Project by a 5th Grade Student

- ▶ **sponsored by: Pacific NW Society for Coating Technology**
 - ▶ **Luke Ryan : St. Francis of Assisi School**
 - ▶ **Charley Potterf : St. Francis of Assisi School**
 - ▶ **Miles Ferguson : Class Academy**
 - ▶ **Ellie Cheng : Class Academy**

The Lemelson Early Inventor Prize

- ▶ **sponsored by: The Lemelson Foundation**
 - ▶ **Ananya Saraswat : Summa Stoller**



Thermo Fisher Scientific Junior Innovators Challenge

- ▶ **Albert Liu : Willamette Valley Academy**
- ▶ **Lincoln Eames : Winterhaven Middle School**
- ▶ **Jasper Wong : Winterhaven Middle School**
- ▶ **Amalia Elbaz : Winterhaven Middle School**
- ▶ **Lucille Pena : Classical Conversations Homeschool**
- ▶ **Isha Marla : Summa Tumwater**
- ▶ **Inchara Shree : Summa Tumwater**
- ▶ **Elise Then : Summa Tumwater**
- ▶ **Nitya Thungathurti : Summa Tumwater**
- ▶ **Owen Ni : Lake Oswego Junior High**
- ▶ **Isabel Liu, Maddy Kuruvilla : Lake Oswego Junior High**
- ▶ **Wingsy Chen : Rosemont Ridge Middle School**
- ▶ **Sarah Selleck : International School of Beaverton Middle School**
- ▶ **Josie Ramirez : The Marylhurst School**
- ▶ **Ananya Saraswat : Summa Stoller**

Thermo Fisher Scientific Junior Innovators Challenge

- ▶ **Dhruv Barve : Summa Stoller**
- ▶ **Shanran Lee : Summa Stoller**
- ▶ **Eesha Juneja : Summa Stoller**
- ▶ **Eugene Kim : Summa Stoller**
- ▶ **Bella Lin : Summa Meadow**
- ▶ **Cameron Acton : Summa Meadow**
- ▶ **Ankitha Navya Chhabbi : Meadow Park Middle School**
- ▶ **Maeve McDonough, Scarlett August : Cascades Academy of Central Oregon**
- ▶ **Shaayan Punj : Summa Whitford**
- ▶ **Jack Tyler : Summa Whitford**
- ▶ **Grant Delapoer : Summa Whitford**
- ▶ **Sam Eide : Summa Whitford**
- ▶ **Anushi Mittal : Willamette Valley Academy**

Best of Fair

- ▶ **sponsored by: Catalyst Education and Career Pathways**
- ▶ **Albert Liu : Willamette Valley Academy**
- ▶ *for... "HyShield : Shielding Existing Steel Pipelines from Embrittlement for Safe Hydrogen Transport - Fueling a Cleaner, More Sustainable Planet"*
- ▶ **Josie Ramirez : The Marylhurst School**
- ▶ *for... "Song of the Soil: Soundscape Analysis Across Willamette Valley Ecosystems"*