



**Partners in Science**  
A MURDOCK TRUST PROGRAM

**Partners in Science Program Supplemental Awards**  
M. J. Murdock Charitable Trust, Vancouver, WA  
**February 2018**

Idaho

Eric Rude -- Pocatello High School, Pocatello, ID  
DNA Barcodes in Ecology, Evolution, and Forensic Science

Steve Tipping -- Borah High School, Boise, ID  
DNA Extraction and DNA Amplification to Aid in Fish Identification

Montana

Lily Apedaile -- Frenchtown High School, Frenchtown, MT  
Identification of Antibiotic Producing Microbes and Potential Novel Antibiotics

Charlie Bruner -- Victor Public School, Victor, MT  
An Investigative Approach to Chemistry and Scientific Instrumentation Using UV-VIS Spectroscopy and Coffee

Joe Youngberg -- Frenchtown High School, Frenchtown, MT  
Using Modeling to Predict Effects of Different Environments on the Atmosphere

Oregon

Roxanne Kilpatrick -- Oregon City High School, Oregon City, OR  
Exploring the Impacts of Pharmaceuticals and Personal Care Products (PPCP) in the Environment

Emily Parent -- North Salem High School, Salem, OR  
Investigating Biodiverse Solutions to Global Issues of Hunger, Clean Water Availability, Climate Change, and Human Disease

Alicia Ryan -- Cascade High School, Turner, OR  
Measuring and Mapping Local Air Quality

Washington

Emily Jordan -- WF West High School, Chehalis, WA  
Modern Use of Drone Technology

Matt Lonsdale -- Science and Math Institute, Tacoma, WA  
SAMi Water Quality Testing

Devin Olson -- New Horizons High School, Pasco, WA  
Designing a Water Filtration System Using Agricultural Waste and a Synthesized Porous Cellulose Acetate Membrane