

*Partners in Science Program Awards
M. J. Murdock Charitable Trust
Announced: February 2008*

ALASKA

Lawrence K. Duffy, Ph.D. - University of Alaska-Fairbanks

Effect of Exercise and Diet on Circulating VEGF (Vascular Endothelial Growth Factor)
Wendy Ehnert -Lathrop High School, Fairbanks

Gary A. Laursen, Ph.D. - University of Alaska-Fairbanks

Fungal Successional Patterns, Fruiting Response, Ectomycorrhizal Symbioses, and Hydrophytic Status Assessment of Wetland Sitka Spruce
Wayne A. Woodgate -Marshall School, Marshall

Kyung-Jin Min, Ph.D. - University of Alaska-Anchorage

Life Span Extension by Metformin in Fruit Fly, "Drosophila melanogaster"
Dwight Taylor -South Anchorage High School, Anchorage

IDAHO

Kenneth J. Rodnick, Ph.D. - Idaho State University

Exploring Sex Differences in Cardiac Energy Metabolism and Function in Rainbow Trout: A Tour from Isolated Mitochondria to Swimming Fish
Meg Fleischmann -Century High School, Pocatello

MONTANA

Elinor deLancey Pulcini, Ph.D. - Montana State University Bozeman

Effects of Antibiotic Resistance on Biofilm Formation Capabilities in Clinical Isolates
Paul Andersen -Bozeman High School, Bozeman

Stuart C. Snyder, Ph.D. - Montana State University-Billings

Detection of Platinum-Group Elements Using Laser-Induced Breakdown Spectroscopy
Fred Michels -Billings Skyview High School, Billings

John Syring, Ph.D. - Montana State University-Billings

Monitoring Vegetation Response to Global Climate Change in High-Alpine Ecosystems of the Beartooth Mountains
Craig Beals -Billings Senior High School, Billings

John Syring, Ph.D. - Montana State University-Billings

Rangewide Genetic Diversity of the Ecologically Important and Threatened Whitebark Pine ("Pinus albicaulis")
Laura Syring -Billings Senior High School, Billings

OREGON

Andrew R. Blaustein, Ph.D. - Oregon State University

Effects of Nutrient Enrichment on the Dynamics of Amphibian Hosts and Pathogens
Jeremy Adams -West Salem High School, Salem

Erik Bodegom, Ph.D. - Portland State University

Diffusion Dark Current in Digital Imagers
Brian Montgomery -Newport High School, Newport

Thomas G. Chastain, Ph.D. - Oregon State University

Biological Effects of Nitrogen Management on Winter Canola Production for Biodiesel
Brock T. Ferguson -Camas Valley High School, Camas Valley

Kristine Coleman, Ph.D. - Oregon Health & Science University

Effects of a High Fat Diet on Behavior in Young Japanese Macaques
Heather Chambers -North Marion High School, Aurora

David P. Craig, Ph.D. - Willamette University

Using Video to Analyze Lateralization and Development of Prey Handling Skills in Caspian Terns
Jason Niedermeyer -South High School, Salem

David A. Dalton, Ph.D. - Reed Institute dba Reed College

Molecular Characterization of Soybean/Fungal Interactions
Amy E. Lindahl -BizTech High School, Marshall Campus, Portland

Mark Fishbein, Ph.D. - Portland State University

Floral Scents of Hybrids: Bridges or Barriers to Gene Flow?
James Byrne -Clatskanie Middle/High School, Clatskanie

John E. Fowler, Ph.D. - Oregon State University

Identification of Genes Important for Root Growth in the Model Plant "Arabidopsis thaliana"
Renee M. Cool -Marist High School, Eugene

Elise Granek, Ph.D. - Portland State University

Watershed Land Use and Sediment Loading in Rocky Intertidal Marine Habitat
Margaret Griffith -Sunset High School, Portland

Angela Hoffman, Ph.D. - University of Portland

Kinetics of Usnic Acid Instability in Methanol and Analysis of its Products
Jean W. Eames -Benson Polytechnic High School, Portland

Steven S. Rumrill, Ph.D. - Oregon Department of State Lands, South Slough National

Estuarine Research Reserve

Comparison of the Ecological Performance of Two Broodstock Sources of Olympia Oysters ("Ostrea conchaphilia") Within the South Slough Estuary, Oregon

Kevin Cellura -Marshfield High School, Coos Bay

Larry S. Sherman, Ph.D. - Oregon Health & Science University

Role of Snf5 in Schwann Cell Tumorigenesis

Vanessa Crock -ACT Campus at Roosevelt High School, Portland

Henryk F. Urbanski, Ph.D. - Oregon Health & Science University

Molecular Neurobiology of Aging

Kirsten Thiel -St. Mary's Academy, Portland

Carl C. Wamser, Ph.D. - Portland State University

Preparation and Characterization of Conductive Porphyrin Polymers for Solar Cells

Jonathan Davies -West Linn High School, West Linn

WASHINGTON

Clyde Barlow, Ph.D. - Evergreen State College

Using Quantum Dot Microspheres to Measure Regional Blood Flow

Catherine N. Miller -Cascade Christian School, Puyallup

Stephen M. Bollens, Ph.D. - Washington State University Foundation

Understanding the Dynamics of Nuisance Algae ("Cyanobacteria") Blooms in Vancouver Lake

Steve Prewitt -La Center High School, La Center

Aurora Clark, Ph.D. - Washington State University

A Computational Chemistry Study of the Optical Properties of Organic Dye Aggregates

MaryAnn Thornton -Moscow Senior High School, Moscow

Amit Dhingra, Ph.D. - Washington State University

Chloroplast Bio-Info-Genomics in Rosaceae Horticultural Crops Important to the Pacific Northwest

Tina DaVault -Pullman High School, Pullman