

*Partners in Science Program Awards
M. J. Murdock Charitable Trust
Announced: February 2006*

ALASKA

Perry S. Barboza, Ph.D. - University of Alaska-Fairbanks

Metabolism of Lichen in Reindeer and Caribou

Renee Parsley - Ben Eielson Jr/Sr High School, Eielson AFB

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

Climate Change, Environmental Mercury, and Reindeer Productivity on the Seward Peninsula

Jim Lokken - Lathrop High School, Fairbanks

David C. Pfeiffer, Ph.D. - University of Alaska-Anchorage

Structure and Function of Moose Salivary Glands

Leesa Wingo - South Anchorage High School, Anchorage

Travis A. Rector, Ph.D. - University of Alaska-Anchorage

Frequency and Emergetics of Novae in the Andromeda Galaxy

Travis Stagg - West Valley High School, Fairbanks

Kevin Winker, Ph.D. - University of Alaska-Fairbanks

Genetic Effects of Beringean Segregation on High-Latitude Shorebird Populations

Cyndie Beale - West Valley High School, Fairbanks

IDAHO

Madison S. Powell, Ph.D. - University of Idaho Foundation

Assessing Genetic Variation Among Populations of White Sturgeon in the Snake River Basin

Ken Young - Filer High School, Filer

Jeffrey J. Rosentreter, Ph.D. - Idaho State University

Chemical Tracer Analysis of Surface Waters as Indicators for Total Geothermal Activity of the Yellowstone Caldera

Scott Sanford - Highland High School, Pocatello

MONTANA

James N. Barron, Ph.D. - Montana State University-Billings

*Male Discrimination Ability and Female Mate Choice in the Phoxinus eox:
Phoxinus eos/neogaus Complex*

Troy Lawson - Billings West High School, Billings

Jeffrey L. Littlefield, Ph.D. - Montana State University

*Diapause Strategies of the Flea Beetle, Longitarsus jacobaeae, a Biological
Control Agent for Tansy Ragwort in Montana*

Aaron Hunter - Stanford High School, Stanford

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

Effects of Non-Reactive Energy Absorbing Molecules on Ozone Formation

Brian Patrick McNelly - Billings Senior High School, Billings

OREGON

Agnieszka Balkowiec, M.D., Ph.D. - Oregon Health & Science University

*Opiate Systems in Primary Sensory Neurons During Postnatal Development:
Morphological Analysis*

Elizabeth A. Pino - Central Catholic High School, Portland

Elizabeth Borer, Ph.D. - Oregon State University

*Aphid Population Growth, Nitrogen Deposition, and Disease Transmission in
Oregon Grasslands*

Gareth Engler - West Albany High School, Albany

Anna G. Cavinato, Ph.D. - Eastern Oregon University

*Nonlethal Screening Method for Detection of Bacterial Kidney Disease in Pacific
Salmon*

Wade Wright - La Grande High School, La Grande

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

Factors Underlying Aggressive Behavior in Japanese Macaques

Molly Dickson - Westview High School, Portland

Michael Danilchik, Ph.D. - Oregon Health & Science University

Role of Dynamic Filopodia in Embryonic Blastomere Adhesion

Beth S. Deal - The School of Science and Technology, Beaverton

William S. Elliott, Ph.D. - Southern Oregon University

Geochemical and Hydrological Aspects of Acid Mine Drainage for the Blue Ledge Mine, Siskiyou County, California

Peter Jones - North Medford High School, Medford

Jon D. Hennebold, Ph.D. - Oregon Health & Science University

Characterization of Novel Ovary-Selective Genes: Critical Regulators of Ovarian Function

Malvina D. Holloway - McKay High School, Salem

Jeri S. Janowsky, Ph.D. - Oregon Health & Science University

Effects of Testosterone on Mental Abilities and Brain Aging

Eddie Wang - Trillium Charter School, Portland

Heiner Linke, Ph.D. - University of Oregon

Self-Propelled Film-Boiling Liquids

Gerriann M. Walker - Cottage Grove High School, Cottage Grove

John C. Mitchell, Ph.D. - Oregon Health & Science University

Study of Biomimetic Dental Desensitizing Agent

Amy Rudich - Reynolds High School, Troutdale

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

Hyaluronan as a Stem Cell Niche Signal

Richard Burnett - Aloha High School, Aloha

Ov Daniel Slayden, Ph.D. - Oregon Health & Science University

Molecular Analysis of Estrogen Action in the Rhesus Macaque Fallopian Tube

Wayne R. Brown - Hidden Valley High School, Grants Pass

Richard L. Stouffer, Ph.D. - Oregon Health & Science University

Gene Expression in the Primate Ovulatory Follicle

Melissa Thorne - Vancouver Christian High School, Vancouver

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

Circadian Rhythm Mechanisms in Peripheral Organs

Ellen B. Lyon - Glencoe High School, Hillsboro

WASHINGTON

Clyde Barlow, Ph.D. - Evergreen State College

Studies of Metabolism and Blood Flow in Hearts

Heidi Kirk - Olympia High School, Olympia

Cecilia M. Bitz, Ph.D. - University of Washington

Arctic Sea Ice Thickness Response to Global Warming

Adam Troy Kruger - Lakeside School, Seattle

Vincent P. Jones, Ph.D. - Washington State University

*Role of Wind Velocity and Temperature on Mating in the Oblique-Banded
Leafroller*

Dan Durr - Entiat Jr/Sr High School, Entiat

Patrick Pringle, Ph.D. - Centralia College

*Use of Radiocarbon Dating and Dendrochronology to Investigate Submerged
Forest in Mud Bay (Eld Inlet)*

Jo Martens - Centralia High School, Centralia