

*Partners in Science Program Awards  
M. J. Murdock Charitable Trust  
Announced: February 2007*

**IDAHO**

**Lyle W. Castle, Ph.D. - Idaho State University**

*Synthesis and Characterization of Ruthenium Coordination Complexes for Use in Dye Sensitized Photovoltaic Cells for Solar Energy Conversion*

Lynette Smith - Skyline High School, Idaho Falls

**Jennifer Pierce, Ph.D. - Boise State University**

*Past Records of Fire and Disturbance for the Sawtooth National Recreation Area*

Jeremy Whitman - Meridian Academy, Meridian

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

*Chemical Key for Unlocking the Past: The Use of Modern Chromatography in Evaluating Anthropologic Artifacts*

Amy Brinkerhoff - Highland High School, Pocatello

**Sophie St-Hilaire, Ph.D. - Idaho State University**

*Assessing the Distribution and Effects of Chytrid Fungus in Amphibians in Grand Teton National Park*

Markette Kelemete - Highland High School, Pocatello

**OREGON**

**John Chapman, Ph.D. - Oregon State University**

*Mechanisms of Mud Shrimp, "Upogebia pugettensis" Infestations by the Isopod Crustacean Parasite "Orthione griffenis"*

Judith Miller - Harrisburg High School, Harrisburg

**Dirk Iwata-Reuyl, Ph.D. - Portland State University**

*Mechanistic Studies of a Novel GTP Cyclohydrolase I Enzyme from Pathogenic Bacteria*

Nancy Monson - Sunset High School, Portland

**Sarah R. Kirk, Ph.D. - Willamette University**

*Application of Sugars in Medicinal and Synthetic Chemistry*

Megan Rivera - Sprague High School, Salem

**Shoukhrat Mitalipov, Ph.D. - Oregon Health & Science University**

*Primate Parthenogenetic ESCs for Autologous Transplantation*

Carole Kepler - Clatskanie High School, Clatskanie

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**Michael T. Murphy, Ph.D. - Portland State University**

*Vertebrate Ecology in Urban Environments*

Kathryn Fisher Hedeem - Oregon City High School, Oregon City

**Martha Neuringer, Ph.D. - Oregon Health & Science University**

*Genetics of Age-Related Eye Disease*

Jessi Van Der Volgen - Valley Catholic School, Beaverton

**Peter H. von Hippel, Ph.D. - University of Oregon**

*Real-Time Tracking of the Transcription of Linear DNA Templates*

Lisa Main - North Douglas High School, Drain

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

*Preparation and Characterization of Conductive Porphyrin Polymers for Solar Cells*

Debra DiPasquale - Estacada High School, Estacada

**Mary B. Zelinski, Ph.D. - Oregon Health & Science University**

*Pre-Clinical Trials of Female Fertility Preservation*

Elisa Schorr - POWER Academy, Portland

**WASHINGTON**

**Michal Fried, Ph.D. - Seattle Biomedical Research Institute**

*Method Development and Optimization for the Investigation of the Pregnancy Malaria Plasma Proteome*

Bryan Robles - Issaquah High School, Issaquah

**Chris Laws, Ph.D. - University of Washington**

*Identification of Halo RR Lyrae Stars and Tidal Streams in the SDSS*

Eric Muhs - Roosevelt High School, Seattle

**Donald R. Lightfoot, Ph.D. - Eastern Washington University**

*DNA Analysis of Soil Microbe Communities in Natural vs. Artificial Vernal Ponds*

James Ashlock - North Central High School, Spokane

**Julie Lutz, Ph.D. - University of Washington**

*Photometric Observations of Symbiotic Stars*

Vince Santo Pietro - Shorecrest High School, Shoreline

**Robert E. Synovec, Ph.D. - University of Washington**

*Multidimensional Gas Chromatography Study of Metabolites in Complex Samples*

Thomas Ferguson - Governor Rogers High School, Puyallup