

TIMELINE & PROCEDURES for

M.J. MURDOCK TRUST EQUIPMENT GRANTS updated 02/05/2009

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The M. J. Murdock Trust provides the WSU-Pullman campus with two major research award opportunities annually. One opportunity is for the purchase of **engineering research equipment**; the second is for the purchase of **scientific research equipment**. Murdock insists that only requests considered to be institutional priorities are to be submitted, that we never have more than two major proposals (one for each opportunity) in front of the board at any given time (the board meets 4 times per year) and that only one proposal for each category be submitted per year. For this reason, a WSU internal competition for pre-proposals will be run once per year for each opportunity. WSU Vancouver may also submit one proposal in its own general category. Past equipment awards generally have ranged from \$300,000 to \$500,000 from the Trust.

M.J. Murdock offers other grant opportunities which can be found at <http://www.murdock-trust.org/grants/index.php> . The information in this document refers to the Murdock Equipment Grant only.

Deadlines & Procedures for Engineering

This is a rolling schedule and the actual submission dates may vary depending upon M.J. Murdock's review panel and site-visit schedule.

February 2, 2009.....	Announcement & email from Office of Research requesting Murdock Engineering pre-proposals
.....	Discuss Matching fund requests with Dan Nordquist, OGRD prior to internal deadline. Commitment will not be granted by the OR until the internal review is complete and one pre-proposal has been selected to proceed.
March 2, 2009	Submit Pre-proposals to OGRD with a completed copy of the Limited Submission Proposal/Nomination Cover Sheet
March 3 - 13, 2009	Proposals reviewed & selections made by the Vice President for Research
March 16, 2009.....	PI's notified which proposals will be advanced by OGRD
April 1, 2009.....	WSU Foundation to develop timeline for research team
April 1-July, 2009.....	Proposal development with WSU Foundation assistance as needed - <i>Preparation of first draft, choose and submit names of external reviewers, develop budget and budget narrative with Section D. Please refer to budget guidelines for allowable support: http://informer.ogrd.wsu.edu/documents/murdockbudgetguidelines.pdf</i>
Early August, 2009	Final proposal preparation, budget preparation
August, 2009	Submit final proposal to OGRD for approval
August, 2009	OGRD/WSU Foundation to verify status of last proposal submitted
August, 2009	Proposal submitted by WSU Foundation to M.J. Murdock Trust Foundation

January, 2010..... Projected date of site visit by Murdock
May, 2010..... Projected date of notification of award

Deadlines & Procedures for the Sciences

This is a rolling schedule and the actual submission dates may vary depending upon M.J. Murdock's review panel and site-visit schedule.

November 10, 2008 Announcement & email from Office of Research requesting Murdock Engineering pre-proposals
..... Discuss Matching fund requests with Dan Nordquist, OGRD prior to internal deadline. Commitment will not be granted by the OR until the internal review is complete and one pre-proposal has been selected to proceed.
December 10, 2008..... Pre-proposals submitted to OGRD with a completed copy of the Limited Submission Proposal/Nomination Cover Sheet.
Dec 11 – 22, 2008..... Proposals reviewed & selections made by the Vice President for Research
December 23, 2008..... PI's notified which proposals will be advanced by OGRD
January 2, 2009..... WSU Foundation to develop timeline for research team
January 2 - April, 2009..... Proposal development with WSU Foundation assistance as needed - *Preparation of first draft, choose and submit names of external reviewers, develop budget and budget narrative with Section D. Please refer to budget guidelines for allowable support: <http://informer.ogrd.wsu.edu/documents/murdockbudgetguidelines.pdf>*
Early May 2009 Final proposal preparation, budget preparation
May 2009..... Submit final proposal to OGRD for approval
May 2009..... OGRD/WSU Foundation to verify status of last proposal submitted.
May 2009..... Proposal submitted by WSU Foundation to M.J. Murdock Trust Foundation
October 2009 Projected date of site visit by Murdock
February 2010..... Projected date of award notification

Limited Submission Competition

Due to submission restrictions set by Murdock Trust, WSU will screen pre-proposals or nominations to determine which applications will be submitted for competition. Please follow [procedures for limited submissions](#) to apply. Anyone interested in **Pre-proposals** should be a short 2-3 page description of the following:

- the research focus,
- the need and the type of equipment requested,
- the investigators involved,
- the impact that the equipment will have on the institution,
- the extent to which the equipment will serve a broad spectrum of researches and
- the sources of matching funds.

Please submit these pre-proposals to Office of Grants & Research Development.

Preference will be given to multi-investigator, multi-disciplinary projects that are endorsed by more than one college and:

- Reflect and strengthen the University’s priorities as articulated in the academic and strategic plans;
- Provide a core facility that will serve a significant portion of the academic community,
- Have the majority of the required matching and other support funds in hand through significant programs sponsored by the federal government or private foundations and/or prescribed commitment (approximately) from the university; and
- Articulate a vision for using the Murdock funding to leverage additional significant federal funding.

Matching Funds

The M.J. Murdock Trust requires that there be a significant match, so the total project typically ranges from \$700K to \$1M. The amount awarded by the Murdock Trust is usually between \$300 and 500K. The major portion of the match for these awards typically involves federal grant awards, along with a commitment of WSU resources. Please refer to budget guidelines for allowable support:
<http://informer.ogrd.wsu.edu/documents/murdockbudgetguidelines.pdf>

By and large, the WSU commitment involves staff and faculty time which are already committed to an area, or facilities which are already being constructed. Generally, only modest amounts of “new” WSU cash are committed to the project.

Any requests to the Office of Research for Matching Funds must be made before the deadline stated in the timeline and approved prior to submission of the pre-proposal for the limited submission competition. Please refer to the OR Policy on Matching Funds for Equipment for more information.
<http://research.wsu.edu/faculty/policies/equipment.html>

Past WSU Recipients of M.J. Murdock Equipment Grants

David Bahr, Cecilia Richards, Robert Richards, School of Mechanical & Material Sci <u>A Fabrication for MEMS devices based on Novel Materials</u>	2003 \$387,500
John Bishop, WSU Vancouver <u>Procurement of Research Equipment</u>	2003 \$333,500
Susmita Bose, Bioengineering Research Center Amit Bandyopadhyay, Wenji Dong, School of Mechanical & Material Sci Bernard Vanwie, Chemical Engineering <u>Processing & Characterization Equipment to Strengthen Bioengineering Research</u>	2007 \$197,500
James Bruce, Chemistry <u>Biological Mass Spectrometry Initiative</u>	2003 \$495,000
Mike Griswold, School of Molecular Biosciences <u>Acquisition of Research Equipment For studies of genes and proteins</u>	2001 \$456,000
Hakan Gurocak, WSU Vancouver <u>Acquisition of Laboratory Equipment for Engineering</u> <u>For a new 4-year engineering degree program at the Vancouver campus</u>	2006 \$240,500

Michael Kahn, Bernd Lange, Norm Lewis, <i>Institute of Biological Chemistry</i> <u>Capillary Electrophoresis – Mass Spectrometry System</u>	2003 \$415,000
Chulhee Kang, <i>School of Molecular Biosciences</i> <u>Biomolecular X-Ray Crystallography Center at WSU</u>	2004 \$498,500
Michael Knoblauch, <i>Franceschi Microscopy and Imaging Center</i> <u>Acquisition of a Field Emission Gun-Environment Scanning Electron Microscope</u>	2008 \$469,000
Marie-Pierre Laborie, <i>Wood Materials & Engineering Lab,</i> Shulin Chen, <i>Biological Systems Engineering,</i> Frank Loge, Michael Wolcott, Jinwen Zhang, <i>Civil & Environmental Engineering</i> Brent Peyton, <i>Chemical Engineering</i> <u>Bio Composite Imaging Center</u>	2005 \$268,500
Eyad Masad, <i>Civil and Environmental Engineering</i> <u>Acquisition of an X-ray Computed Tomography System</u>	2002 \$273,500
Timothy McLaren, <i>WSU Vancouver</i> <u>Acquisition of Equipment For a microelectronics learning laboratory</u>	2001 \$367,000
John Nilson, <i>School of Molecular Biosciences</i> <u>Acquisition of Biosciences Research Equipment</u>	2005 \$475,500
David Rector, Gregory Belenky, <i>Vet & Comp Anatomy Pharm Physl</i> Matt McCluskey, <i>Physics & Astronomy</i> <u>Near Infrared Optical Brain Imaging of Sleep</u>	2003 \$50,000
Jeff Ullman, <i>College of Engineering & Architecture</i> <u>To Establish a Sediments Analysis Laboratory</u>	2008 \$348,000
John Wolff, <i>School of Earth & Environmental Sciences</i> <u>Mass Spectrometer Acquisition For proteomics research in biology</u>	2002 \$495,000