

2005-06 Master Plan for Research and Technology Development



Office of Research Mission

The Office of Research exists to foster and sustain an academic environment in which MU's research, instruction, service, and economic development missions are permeated by the joy and rigor of original research, creativity, and scholarship. The Office of Research promotes an environment in which the intellectual and creative activities and achievements of MU's faculty, students and staff are facilitated, celebrated and, when appropriate, transferred to the private sector.

Office of Research Goals

The outcomes that drive the Office of Research plan are articulated in the System and Campus strategic plans and are related to such metrics as increases in research funding and performance. In order to best achieve the desired outcomes, the Office of Research focuses on three main goals. The Vice Provost believes that if the Office of Research accomplishes these three goals, the result will be to meet or exceed the research outcomes articulated in the System and the Campus Strategic plans. But, we want to be clear that the measures related to increased research activity are ultimately accomplished by MU's faculty researchers. The Vice Provost for Research must create an environment that optimally facilitates faculty in their quest to conduct research, to acquire funding for that research, and to disseminate the results of that research. Our performance plan is based on action items that we think are needed to create the optimal environment for faculty research.

- Goal 1: Provide top-notch services and compliance functions that enhance the ability of MU faculty to do research, creation, scholarship, and innovation.
- Goal 2: Create a research-centered academic and educational environment by developing connections between the research enterprise and all of the institution's other activities and by creating a broader foundation for research support with internal and external stakeholders.
- Goal 3: Develop and promote investment strategies to financially sustain and grow the research enterprise in order to allow students access to a great faculty and state-of-the-art facilities and to ensure that MU research continues to enhance the lives of people in the state, nation and the world.

Objective 1: Enhance the performance and quality of research, and facilitate the interdisciplinary research culture at MU.

Goals	Action Items	Responsible Party(ies)
3	Implement (with the Provost's Office) the Grant Incentive Plan	OVPR*
1	Work with UM System personnel to improve PeopleSoft grant reporting for interdisciplinary grants.	OVPR, OSPA
2, 3	Work with SPRAC to develop recommendations to better include interdisciplinary grants in the promotion and tenure process.	OVPR
3	Develop research quality outcome measures beyond funding	OVPR, CAH
2, 3	Focus on promoting "quality" faculty research accomplishments (e.g., highly competitive, top tier journal publications, major impact in problem solving)	OVPR, CAH, OGWP
2, 3	Hire Director for the Center for Aging.	OVPR
2,3	Assess the return on investment of PRIME, RIF and Research Council funds to use as the basis for communication and future resource allocation.	OVPR, OFF
1	Implement campus-wide AAALAC and AAHRPP accreditation.	AVPR
1, 2	Work with personnel from the Provost's office and the UM System to encourage integration of PeopleSoft with the Faculty Accomplishment System.	OVPR, OSPA, OGWP
2	Develop Advisory Committee and strategic plan for the Center for Arts and Humanities after reviewing humanities centers at other institutions.	CAH
1, 3	Complete and update Broader Impacts clearinghouse.	OFF
1, 3	Provide grantsmanship training for the campus.	OGWP
1	Add a College of Engineering grant writer to the grant writer network.	OGWP
1, 3	Organize and assist faculty teams to win major federal competitive initiatives (e.g., NSF Science and Technology Centers, NIH Centers and PPGs, etc.)	OVPR, OGWP

Objective 2: Facilitate collaboration between UM, MU, faculty, and the private sector, including the management of technology and industry relations.

Goals	Action Items	Responsible Party(ies)
1, 2, 3	Implement the reorganization of the Office of Technology & Special Projects (OTSP)	OTMIR, OVPR
1, 2, 3	Increase industrial research funding by 30% percent over FY05 after integrating OTSP with the Office of Industrial Research Relations.	OTMIR
1	Match throughput of disclosures, applications and license agreements to University needs.	OTMIR
1	Better coordinate the throughput of research agreements with industry.	OTMIR, OSPA
1, 2	Work with the UM Intellectual Property Core and the MU campus to align the Technology Incubator and Research Park with the research mission of the University.	OVPR, OSPA, OTMIR
1, 2	Work with the UM Intellectual Property Core to select and install an intellectual property database to track activities and enhance marketing.	OTMIR, OSPA
1, 2	Solidify working relationships with the Missouri Innovation Center, UM Intellectual Property Core, University Center of Innovation and Entrepreneurship, Small Business Technology Development Center, and the MU Office of Corporate Relations to assist faculty start-ups and industrial partners.	OTSP, OSPA, OIRR
1	Coordinate with Business Services personnel to construct a software copyright policy.	OTMIR

*OVPR-Office of the Vice Provost for Research, OSPA-Office of Sponsored Program Administration, OTMIR –Office of Technology Management and Industry Relations (formerly OTSP), AVPR-Associate Vice Provost for Research, OGWP-Office of Grant Writing and Publications, CAH-Center for Arts and Humanities, OFF-Office of the Faculty Fellow, OUGR-Office of Undergraduate Research

Objective 3: Increase the effectiveness of Research Division communications with stakeholders.

Goals	Action Items	Responsible Party(ies)
2, 3	Maximize support of MU's Congressional delegation through a well-run federal relations process that is integrated with campus strategic planning priorities.	OVPR, OGWP
1	Develop and standardize customer feedback mechanisms; increase communications with Faculty Council and campus departments.	All Division offices
1	Examine an integrated, campus-wide compliance oversight program	AVPR
2	Collaborate with University Relations personnel to maximize effectiveness of communication with the local community.	All Division offices
1, 3	Improve communications with faculty on F&A recovery, technology transfer processes, promotion and tenure policies, research opportunities, and doing business with and/or as the University.	All Division offices
2	Maintain the quality of <i>Illumination</i> and Office of Research web pages.	OGWP
1, 2, 3	Implement proactive, "single door" communications with industry.	OTSP, OIRR, OSPA
2	With Provost, Vice Provost for Extension and Chancellor, develop economic development communication strategy.	OVPR
2, 3	Begin crafting the 4-state economic development initiative with research officers from Kansas, Nebraska and Iowa.	OVPR

Objective 4: Enhance MU's research infrastructure, implementing recommendations of internal and external reviews as appropriate.

Goals	Action Items	Responsible Party(ies)
1, 2	Establish a permanent home for the Center for Arts and Humanities in the Conley House.	CAH
1, 3	Receive recommendations of the F&A committee and implement them as appropriate.	OVPR
1, 3	Work with the Vice Chancellor for Administrative Services to ensure research infrastructure, including renovations, are represented in Campus Facility and Master Plans.	OVPR
1, 3	Implement animal care and greenhouse master plans.	AVPR
1, 3	Seek outside recommendations for practices that will lead to a self-sustaining animal care program.	AVPR
1	Implement export control compliance.	AVPR, OSPA
1	Work with Graduate School personnel to implement a more formal program of research integrity training.	AVPR
1	Complete work on a clinical trial indemnification policy.	AVPR
1, 3	Internally review the Biomolecular Core Facilities, work with personnel to implement the resulting recommendations, and designate the Cores as Specialized Service Facilities.	OVPR, OSPA
1, 3	Work with MURR and MU Facilities to attract a cyclotron facility to campus.	OVPR
1, 3	Work with MURR personnel to re-license the MU Research Reactor.	OVPR
2	Develop a policy for promotion of non-regular faculty.	OVPR
1	Create a central administrative processing system to handle human resource tasks for the entire division	OVPR
1	Collaborate with UM System personnel to implement improvements to the	OSPA, OVPR

Goals	Action Items	Responsible Party(ies)
	PeopleSoft system in support of the grants enterprise.	
2	Incorporate research concerns into the campus disaster preparedness plan	OVPR, AVPR
3	Submit F&A cost proposals to DHHS and negotiate new rates	OSPA
1, 3	Secure funding to begin construction of the Regional Biocontainment Laboratory.	OVPR
2, 3	Work with the Chancellor to put infrastructure in place for the conduct of classified projects.	OVPR, OSPA
1,2	Work with the Provost to establish a definition of “sponsored research project” distinct from “business service agreement” and implement a processing plan for all units.	OSPA
2,3	Do everything we can to garner financial support for the Health Sciences Research and Education facility	OVPR

Objective 5: Increase the participation of undergraduates in research and assist in improving graduate programs at MU.

Goals	Action Items	Responsible Party(ies)
2	Better integrate Office of Research activities with those of the Graduate School in such areas as fringe benefits rates for students, training in the responsible conduct of research, a campus-wide human resource policy for postdoctoral fellows, and promotion of excellent graduate student research.	OVPR, CAH
2	Facilitate faculty use of undergraduate and graduate students as a mechanism for stimulating interdisciplinary collaboration.	OVPR, OUGR
2	Recognize and actively promote student accomplishments in research.	OUGR
2	Organize undergraduate and graduate students and their research success stories for access by University Relations.	OVPR, OUGR
2, 3	Assist faculty in obtaining external funding for undergraduate and graduate students.	OVPR, OUGR OGWP
2, 3	Prepare and submit a proposal to the Howard Hughes Medical Institute for undergraduate research training.	OVPR, OUGR OGWP
2	Create graduate and undergraduate internships.	CAH, OUGR, OIRR

Office of Research Strategic Planning Links

2005-06 Master Plan for Research and Technology Development

<http://research.missouri.edu/division/pubs.htm>

Office of Sponsored Program Administration <http://research.missouri.edu/ospa/>

Office of Technology and Special Projects <http://otsp.missouri.edu/>

Office of Grant Writing and Publications <http://research.missouri.edu/ogwp/>

Office of Industrial Research Relations <http://lifesciences.missouri.edu/development/>

Office of Undergraduate Research <http://undergradresearch.missouri.edu/>

Center for Arts and Humanities <http://cah.missouri.edu/>