

Mission of the Office of Research

- ◆ To foster an environment for University of Nevada, Reno researchers and scholars to generate new ideas and solutions to complex problems;
- ◆ Promote through shared responsibility a commitment to compliance and scholarly integrity;
- ◆ Foster research and scholarly partnerships and collaborations across disciplines and academic sectors within and beyond the university; and promote licensing of university research and innovation
- ◆ Broaden awareness of the value of research and scholarly activities.

Find us on the web!

www.unr.edu/research

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Research Fellows Program

The Office of the Vice President for Research is pleased to recognize the following as our first cohort of Research Fellows. Nominated by their respective deans, the Research Fellows are engaged with Dr. David Bauer in a series of grantsmanship workshops and one-on-one sessions throughout the Fall and Spring. Dr. Bauer is recognized for his expertise in this area and the university is fortunate to have access to this training. The series will culminate in August of 2012 and we look forward to initiating a new set of eight Research Fellows. The current fellows are Drs. Alpuche Aviles, Chidambaram, Fu, Geiger, Geraci, Jeffrey, Lin and Scott.



Research Affairs

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New Year, New Faces, New Places!

With the start of the new year, the Research Division has some new faces and new places to announce. We welcome the following "new faces" to the division:

• **DR. GARY SNOWDER**

Associate Vice President for Research Services

Dr. Snowder's experience in research administration will be valuable in working with the campus community to move our research programs forward. He looks forward to working with the various deans and associate deans to be sure the Research Division is responsive to the needs of researchers/scholars across campus.

• **DAN LANGFORD**

Manager, Technology Commercialization /Industry Partnerships

Mr. Langford's background with various start-up companies and technology commercialization efforts will provide an important link between the university's research activities, business and industry and the state's efforts in economic development.

• **CHARLENE HART**

Director, Office of Sponsored Projects

Charlene's strong fiscal and accounting background will be important for the Office of Sponsored projects as it is faced with more and more fiscal regulation and reporting responsibilities. Her understanding of the campus financial operations will be valuable in continuing to strive for the best business practices possible in handling grants and contracts.

As part of our "new faces" we invite you to take a look at the permanent "UNR Researcher of the Year Award" mounted outside room 201 of Ross Hall. It recognizes all the past awardees, including Dr. Michael Webster, Psychology, the most recent awardee.

We also want to announce that some of our units/staff have new locations:

- The Technology Transfer Office, formerly located on the second floor of Ross Hall has relocated to the first floor, room 106 of Ross Hall.
- The Office of Human Research Protection which was formerly split in two locations on the second floor of Ross Hall has now relocated into one location – room 218 of Ross Hall.
- Tammy Freeman, Research Compliance Officer, has relocated from the Office of Sponsored Projects across the hall to room 205.

Inside This Issue

| | |
|------------------------------------|----------|
| FY 2011 Research Highlights | 2 |
| Research Briefs | 3 |
| Research Fellows Program | 4 |

FY 2011 Research Highlights

The economic down turn aside, the research numbers were encouraging. Total grants and contracts awards amounted to \$157,722,192. This was up from \$110,171,753 the previous year. The types of grants and contracts and sources of funding are shown in Table 1. The grants and contracts portfolio is robust with funding from federal, state, local and private sources.

Table 1

| Funding Source | Activity | Awards |
|--------------------------|--------------------------------|--------------------|
| Federal | | |
| | Instruction | 741,370 |
| | Public Service | 109,903,356 |
| | Research | 59,302,710 |
| | Scholarships | 42,304,287 |
| | Student Service | 840,250 |
| | Total Federal | 114,091,973 |
| Federal Pass Thru | | |
| | Instruction | 1,312,541 |
| | Public Service | 15,220,020 |
| | Research | 15,844,139 |
| | Scholarships | 303,344 |
| | Student Service | 207,908 |
| | Total Federal Pass Thru | 32,887,952 |
| Local | | |
| | Instruction | 59,421 |
| | Public Service | 340,030 |
| | Research | 249,404 |
| | Total Local | 648,855 |
| Private | | |
| | Instruction | 468,429 |
| | Public Service | 690,070 |
| | Research | 3,188,955 |
| | Scholarships | 81,500 |
| | Total Private | 4,428,954 |
| State-NV | | |
| | Instruction | 429,554 |
| | Public Service | 1,255,754 |
| | Research | 2,263,755 |
| | Student Service | 100,000 |
| | Total State-NV | 4,049,063 |

| Funding Source | Activity | Awards |
|--------------------|--------------------------|--------------------|
| State-Other | | |
| | Public Service | 1,046,241 |
| | Research | 569,158 |
| | Total State Other | 1,615,399 |
| | Grand Total | 157,722,196 |

| Total by Activity | Awards |
|--------------------|--------------------|
| Instruction | 3,011,315 |
| Public Service | 29,455,471 |
| Research | 81,418,121 |
| Scholarships | 42,689,131 |
| Student Service | 1,148,158 |
| Grand Total | 157,722,196 |

Another encouraging sign was that of research expenditures. Research expenditures were \$161,176,939 compared to \$105,422,093 the previous year. This is a good indicator that our research agenda is on an upswing.

The one cautionary note is the fact that the F&A recovery for FY 11 was less than that for FY10 (\$15,399,638 vs \$15,834,621 respectively). This reflects the fact that a significant number of grants and contracts do not collect the full F&A rates.



Research Matters. Graduate student in Civil Engineering calculating seismic damage.

Research Briefs

Environmental Health and Safety

Ongoing Gap Analysis

A gap analysis is being conducted to identify gaps in programs within identified departments. These programs include Residential Life, Lawlor Operations, Cooperative Extension, Ag Extension, UNSOM Residents, UNSOM Clinical, UNSOM Integrated Clinical Services (i.e., practice plan), Church Fine Arts, Facilities Services and others, as identified. This gap analysis will help communication between EH&S and the identified departments and assist in program development and implementation. This gap analysis is estimated to occur over the next year as meetings are held to understand operations, identify requirements, and to define roles and responsibilities between EH&S and the identified departments.

Laboratory Animal Medicine

The transition from the legacy facilities into the new Center for Molecular Medicine (CMM) continues. Investigators previously working from multiple campus locations are now co-located in the CMM building and are starting to build their animal inventories.

Engineering and shake-down concerns with the CMM building characteristic of a new and complex construction, that were so prevalent in 2011 have been mostly corrected. Fixes are sufficient for this year to allow for greater concentration on increasing animal inventories and improving systems efficiencies to better evaluate operations costs.

Office of Human Research Protection

Office of Human Research Protection has re-designed their web site to offer additional information to the novice researcher. A revised manual of Standard Operations has been developed and posted on the web site. The manual is written in clear, easy to understand language with a quick index. Along with the revised manual are checklist sheets and guidance sheets to assist the novice researcher and experienced researcher in preparing their application,



Graduate research in robotics.

informed consent form, and other documentation for the IRB review. An electronic submission for new study applications will be rolled out in March 2012. The electronic submission will allow the Researcher to submit the application via the world wide web and creates a shared archive for use by the researcher and the IRB. The electronic submission and database should enhance efficiencies and turn-around times for the entire IRB process for a research study from inception to closure.

Technology Transfer Office

The Technology Transfer Office (TTO) is proud that the Association of University Technology Managers (AUTM) selected a technology transfer story from the campus for inclusion in AUTM's 2011 Better World Report. The Better World Report highlights a collaboration between Dr. Thomas Kozel's lab and Immuno Mycologics, Inc., that produced a breakthrough diagnostic for cryptococcal meningitis, a leading cause of AIDS-related death in sub-Saharan Africa. The TTO is rolling out several new programs to foster greater collaboration between faculty, industry, and the local community in hopes of producing more success stories like Dr. Kozel's. These new programs will also enhance the TTO's marketing efforts and provide opportunities for students to work in the interface between business and technology. The TTO is also pleased to welcome Dan Langford as the new Manager of Technology Commercialization/Industry Partnerships.