FY 2011 Annual Report of Research Office Activities

OFFICE OF THE SENIOR VICE PROVOST FOR RESEARCH

Advancing Excellence in Research, Scholarship, and Creative Activities

SEPTEMBER
2011
The UNH Research Office

FY 2011 Annual Report of Research Office Activities

Office of the Senior Vice Provost for Research

The Office of the Senior Vice Provost for Research (The Research Office) provides leadership and services to support UNH faculty, students, and staff in their research, scholarship, and creative activities; facilitates cooperation between UNH and the business community; supports technology transfer and commercialization of UNH’s intellectual property; and communicates and promotes the breadth and depth of UNH research and discovery and the resulting impacts within and beyond the University.

The Research Office accomplishes its mission of advancing excellence in research, scholarship, and creative activities by providing the essential infrastructure and resources to support a dynamic and growing research program across all academic disciplines of UNH. Our comprehensive goal is to increase and support external research funding and recognition of faculty and student excellence.

The Senior Vice Provost for Research (SVPR) reports to the University’s Provost (thus integrating research within the academic mission and resources) and serves as a member of the Provost’s Council and the President’s Cabinet. Activities of the Research Office are guided by the Report of the President’s Blue Ribbon Panel on Research and the goals and initiatives of the University’s strategic plan, Breaking Silos, Transforming Lives, Reimagining UNH – UNH 2020.

The Research Office is composed of a central administrative office and six service units: Research Development and Communications, Research Partnerships and Commercialization, Sponsored Programs Administration, Research Integrity Services, Research Computing and Instrumentation, and Environmental Health and Safety. An organizational chart is provided on page 23. A listing of Research Office staff can be found on pages 24-26. Fifteen Research Office members were among the 265 staff honored by the University in May, 2011 for achieving benchmark years of service, specifically, 35 years (1), 20 years (1), 15 years (1) and 10 years (12).

The Research Office also serves as the "home" for the New Hampshire EPSCoR program and provides oversight for a number of interdisciplinary Research Centers:

- Coastal and Ocean Technology Programs, including:
  - the Atlantic Marine Aquaculture Center (AMAC);
  - the Cooperative Institute for Coastal and Estuarine Environmental Technology (CICEET); and
  - the National Estuarine Research Reserve System (NERRS) Science Collaborative;
- Marine Program;
- Piscataqua Regional Estuaries Partnership (PREP); and
- New Hampshire Sea Grant College Program (Sea Grant).

Strategic Working Groups were created in 2010 to provide guidance to the SVPR on ways to improve and enhance the Research Office activities to support the UNH research enterprise. Stakeholders from the faculty, Research Office staff, and members of the broader UNH and USNH communities, as appropriate, make up the membership. The current working groups are:
• Research Development and Infrastructure
• Intellectual Property/Tech Transfer/Commercialization
• Compliance & Risk Management
• Finance & Administration
• Centers & Institutes

Activities in FY 2011

Advancing the UNH Strategic Plan

The SVPR is the “point person” and Research Office units provide support for three of the Ten Academic Initiatives of the UNH Strategic Plan. Those Initiatives are:

- Commercializing UNH’s Intellectual Capital;
- Independent Research, Scholarship, and Creative Activity; and
- Research Leveraging: Advancing large-scale interdisciplinary research.

Research Leveraging Initiative (RLI) grants provide start-up funding for promising research projects that address problems of critical importance and contribute to the intellectual vitality of the institution. Through the New Ventures Fund, support is available to groups of faculty and research staff to organize around an innovative theme in preparation for submission of major proposals. The focus of this initiative is to position interdisciplinary groups to be competitive for major external grants that will advance new ideas and paradigms. Designed to enhance research and scholarship, and extramural funding at UNH, the RLI awards support faculty release time, graduate students, travel, and other activities necessary to advance competitive proposals to federal agencies and private foundations.

The groups that received the awards were selected through a two-phase process. First, 3-page pre-proposals by 14 potential teams were submitted in November, 2010 and evaluated by members of the New Ventures Advisory Committee. In the second phase, the eight groups with the highest ranked pre-proposals were invited to submit 10-page proposals in February, 2011. Members of the New Ventures Advisory Committee reviewed the proposals.

The eight groups’ projects are visionary, leverage existing strengths and infrastructure, involve community, business, and/or academic partners, and employ teams of tenure track faculty, research faculty, graduate students, undergraduate students, and staff. The teams’ members are from CEPS, CHHS, COLA, COLSA, WSBE, the Graduate School, the Carsey Institute, the Institute on Disability, the NH Institute on Health Policy and Practice, the Research Computing Center, the University Office of Sustainability and the Institute for the Study of Earth, Oceans, and Space. Awardee teams are expected to submit proposals to external sponsors within 18-24 months of receiving RLI funds.

New Hampshire Experimental Program to Stimulate Competitive Research (NH EPSCoR)

With its academic, educational, and community partners across the state, the Office of the SVPR submitted a successful Research Infrastructure Improvement (RII) proposal, entitled “Interactions among Climate, Land Use, Ecosystem Services and Society,” to the National Science Foundation. This five-year, $20M grant will bring together the disciplines of earth, atmospheric, environmental and ecological sciences; ecological economics; sociology; demography; and engineering in a coordinated effort to create infrastructure and social and human capital for competitive research. Major new initiatives build a pipeline from two-year schools to four-year and graduate schools, engage K-16 students in research programs, and involve citizens in data collection activities for informed decision making. K-14 teachers also are invested through research training. Commitment to increased diversity is shown by programs that specifically target underrepresented populations in the state. Regions with high rates of refugee resettlement and immigration will be the particular focus for outreach and engagement activities.
Awards to UNH in FY 2011 exceeded $165M. This total includes $42M for Network New Hampshire Now, a public-private partnership project for which UNH is providing leadership. Distribution of these funds will enable the partners to provide access to high speed internet, next generation wireless, and fiber access to those areas of NH without access to broadband — or where access is only available through dial-up or satellite services.

As in previous years, federal awards made directly to UNH represented the majority (61%) of sponsored program awards. Awards from other sources, such as the State of New Hampshire and other Universities (5% and 13%, respectively), also include a substantial amount of federal funds ‘passed through’ those sources to UNH.

Funds ($102.3M) for research and scholarly activities were provided directly by 21 Federal agencies, as shown below:

CDC      Centers for Disease Control  USED      Dept. of Education
DHHS     Dept. of Health & Human Services (Misc.)  FWS       US Fish & Wildlife Service
HRSA     Health Resources & Services Admin.      USGS      US Geological Survey
NIH      National Institutes of Health          DOJ       Dept. of Justice
DHS      Dept. of Homeland Security             FHA       Federal Highway Admin
USDA     Dept. of Agriculture                   EPA       Environmental Protection Agency
USFS     US Forest Service                      NASA      National Aeronautics & Space Admin.
NIST     National Institute of Standards & Technology  NEH     National Endowment for the Humanities
NOAA     National Oceanic & Atmospheric Admin.  NSF       National Science Foundation
DOD      Dept. of Defense                        SBA       Small Business Admin.
DOE      Dept. of Energy
FY 2011 externally sponsored awards received by major UNH units are shown on the right.

**FY 2012 Initiatives Planned by the SVPR**

Despite the challenging budget environment, the SVPR is focused on enhancing opportunities to support research and scholarship, commercialization of intellectual property, and development of the School of Marine Sciences and Ocean Engineering in FY 2012. This year we will:

1. Sponsor a faculty competition focused on improving competitiveness for funding from the National Institutes of Health;
2. Support and advance the eight teams that received Research Leveraging Funds;
3. Create a University-wide strategy for public-sharing of data as required by federal agencies;
4. Implement the newly awarded $20 million National Science Foundation EPSCoR Cooperative Agreement, *Interactions Among Climate, Land Use, Ecosystem Services and Society*;
5. Develop new strategies for supporting faculty to disclose new discoveries and inventions to the Office of Research Partnerships and Commercialization;
6. Implement a coordinated strategy to increase the number of sponsored research agreements with business and industry; and
7. Operationalize a strategy with the Graduate School and the Fellowships Office to encourage and support applications by undergraduate and graduate students for fellowships and other prestigious funding opportunities.
The UNH Research Office

Research Development and Communications

The Research Development and Communications (RDC) office was formed in January 2010 to help faculty enhance their strategies and skills for grant seeking; facilitate development of multidisciplinary and institution-wide proposals; coordinate UNH responses to special funding and award programs; and coordinate communication of UNH research and discovery activities to the general public, UNH, and the business community.

During FY 2011, RDC’s activities and programs were guided by a Research Development Working Group composed of representatives from all UNH colleges, schools, and institutes, and key partners such as UNH Advancement, Information Technology, and Research Partnerships and Commercialization. The Working Group focused on gaining an understanding of UNH’s research environment and comparing UNH’s current research development programs to those at other select institutions. In late spring, the RDC director presented the Working Group’s recommendations regarding current and future RDC programs and services to the SVPR for consideration and discussion with the deans and other University administrators.

Developing Skills for Grant Seeking

Workshops and Seminars

UNH faculty and research staff are provided opportunities to deepen their understanding of the sponsored research environment and grant seeking knowledge and skills through a variety of workshops and seminars.

During Academic Year (AY) 2010-2011, RDC offered new workshops on Fulbright international research and teaching programs, working with foundations (co-hosted with the UNH Advancement Office), preparing proposals to NIH (National Institutes of Health) in the new format, and funding opportunities for new investigators. In conjunction with UNH’s federal relations firm, Van Scoyoc and Associates, RDC sponsored a seminar on the U.S. Department of Energy (DOE) Early Research Career program. Recurring programs about NSF (National Science Foundation) CAREER Awards, and NIH AREA (Academic Research Enhancement Awards) also were presented. Faculty member Kai Germaschewski won both DOE and NSF early career awards totaling $1.25 million, unprecedented for UNH. RDC staff also participated in programs for faculty and students hosted by the UNH Provost’s Office, the Graduate School, the colleges/schools, and research institutes and centers. The 15 workshops and seminars that RDC presented in FY 2011 were attended by 163 faculty, staff and graduate students. Of the 113 attendees who were potential principal investigators/project directors, 63 submitted proposals to sponsors in FY 2011.

One-on-One Support

RDC provides a wide range of direct services to faculty and research staff to assist them with developing competitive proposals to sponsors, including: connections with federal program officers; planning activities for successful proposal writing and resubmissions; arranging for expert internal and external critiques of draft proposals; and strategies for increasing the likelihood of securing funding.

Svetlana A. Peshkova, Assistant Professor of Anthropology, turned to RDC for assistance with her proposals to the American Council of Learned Societies Fellowship Program, the International Research and Exchanges Board, and the UNH Center for the Humanities. She was awarded all three grants to continue her exploration of Muslim women in post-Soviet Central Asia’s Ferghana Valley.
New this year, RDC offered proposal writers a polishing and editing service designed to ensure that the submitted proposals meet each sponsor’s formatting and content guidelines and present the project effectively. Edits were performed by a team of five graduate students trained by RDC staff. Response to this new service was overwhelmingly positive. RDC provided one-on-one support to 217 individuals in FY 2011, including “polishing” 34 proposals by the graduate student team.

**Senior Vice Provost for Engagement and Academic Outreach (SVPEAO) Learning Communities (LCs)**

RDC collaborated with the SVPEAO to facilitate a number of LCs specifically for faculty in the humanities, social sciences, the library, and the science, technology, engineering and mathematics (STEM) disciplines to develop strategies, knowledge about funders, and other grant seeking skills. Support was provided for NSF CAREER LC members to travel to visit NSF program directors. Approximately 45 faculty and staff took part in these LCs.

**Research and Engagement Academy**

RDC assisted the OSVPEAO in conducting the first Research and Engagement Academy in the spring of 2011. The Academy is designed to enhance faculty members’ scholarly careers by strengthening the quality and quantity of proposals submitted to external funders and to increase the diversity of faculty who are awarded grant funding. Each participating Academy scholar committed to submit a competitive grant proposal to an external funder and to attend six workshops and receive guidance from an assigned “scholarly coach.” Scholarly coaches were senior UNH faculty with established records of external funding and with the personal qualities and desire necessary to serve others. Thirty four faculty took part in the Academy – 21 as faculty scholars and 13 as scholarly coaches. So far, 15 of the scholars have submitted 18 proposals; to date, 3 of those proposals have been funded for a total of $2.9 million.

**Working with Van Scoyoc and Associates (VSA)**

RDC serves as a primary contact with VSA, an external federal relations firm engaged by UNH in January, 2010 to help us better link faculty with current agency interests and funding opportunities. VSA works with RDC and the SVPR to coordinate an approach that will realize both short- and long-term benefits. In addition to supporting individual faculty members, VSA assists in developing large-scale, interdisciplinary proposals that capitalize on UNH’s research strengths.

Specific projects supported by VSA this past year included these NSF programs: Major Research Instrumentation (MRI), Integrative Graduate Education and Research Traineeship (IGERT), Experimental Program to Stimulate Competitive Research (EPSCoR), and Materials Interdisciplinary Research Teams (MIRT).

**Communicating to the UNH Community and Beyond**

**Redesign of the UNH Research Web site**

Launched in March, 2011, the new UNH Research web site brings the tools and services provided by all the Research Office support units to a single, user-oriented site created using best practices for web design. The underlying principle of the site is to provide information as the user will look for it.

Sections of the site provide office information; showcase the breadth and depth of the research, scholarship and creative activity taking place at UNH; provide an entry point for businesses seeking to become involved in UNH research; and point to tools and information for the UNH community.
Web site revamping was informed by input from internal and external stakeholders, PixelMEDIA, and UNH IT’s Web Solutions. An RDC staff member coordinated the project and now serves as the webmaster. Web site editors from each Research Office service unit played a key role in the conversion and now are members of the web site editorial and maintenance team.

Communicating the Depth, Breadth, and Quality of UNH Research and Scholarship

RDC, the SVPR, and University Communications and Marketing (UCM) explored ways in which UCM might help disseminate information about UNH’s research. One outcome of these efforts was the creation of a full-color brochure to showcase the areas of research strength at UNH. Developed with the assistance of the Special Assistant to the President for Government Relations and Strategic Initiatives, UNH Research. Innovation. Education. Impact. is a “leave behind” intended for news media, legislators, industry leaders, academia, alumni, faculty, students, and interested citizens.

RDC nominated outstanding faculty for a number of prestigious external awards (see inset). These nominations typically involve submission of a formal statement from UNH, recommendations from peers and other leaders in the nominee’s research field, a detailed career history, and representative scientific publications. In some cases, the nominee provides a proposal for research to be conducted with the award funds. In addition, RDC sought and gained UNH eligibility for faculty applications to the Searle Scholars Program and Pew Scholars Program in the Biomedical Sciences.

To increase the visibility of the Research Office across UNH, RDC worked with Peter Masucci and his students in the Marketing Workshop course (MKTG 762) to develop and implement a marketing plan. Outcomes included creation of a Research Office slogan – “Grants. Guidance. Greatness.” – and a “Spring Fling” awareness event attended by hundreds of students, faculty, and staff.

Plans for FY 2012

1. To assist UNH researchers to maximize their grant seeking proficiency, RDC will expand the range of education and training opportunities offered by adding programs about support resources available across campus, strategies for success in grant seeking, and basic proposal writing.
2. In addition to providing support to existing OSVPEAO LCs and the AY 2011 - 2012 Research and Engagement Academy, RDC will create an LC for faculty interested in seeking support from the NIH.
3. An OSVPR-wide communications plan will continue to be developed. Elements include increasing the UNH community’s awareness of the services offered by the Research Office units; design refinement, additional content, and site usability optimization of the Research Office website; an internal division-wide newsletter; an annual report of Research Office activities (this report); and periodic reports of UNH faculty research and scholarly accomplishments.
Research Partnerships and Commercialization

The Office for Research Partnerships and Commercialization (ORPC) is responsible for managing, leveraging, and licensing UNH’s intellectual assets. ORPC facilitates the transfer of UNH research results to the public by partnering with commercial enterprises in relationships of mutual advantage, while retaining the ability to pursue traditional academic pursuits of publishing and open dissemination of research results. The responsibilities of ORPC have three main areas of focus: managing intellectual property, the UNH InterOperability Laboratory, and the NH Innovation Research Center.

Managing intellectual property

Faculty are required to assign to UNH the rights to intellectual assets created during their UNH employment (excepting exempted scholarly works). ORPC evaluates invention disclosures based on UNH research and funds the protection of these innovations via patents, copyrights, and (occasionally) trademarks. Investment in UNH research represents the original “seed capital” that starts ideas down the pathway to commercialization. The ORPC licensing manager markets technology to companies with similar research interests, seeking to license UNH intellectual assets in exchange for upfront consideration, a commitment to develop the technology, and downstream royalties on the use of UNH’s intellectual property. ORPC also is responsible for all start-up company formation based on UNH intellectual assets, structuring start-up licenses to maximize the possibility of success. A snapshot of UNH’s intellectual property activity for the past three years is shown below.

UNH InterOperability Laboratory (UNH-IOL)

Effective 1 November 2010, the IOL began reporting directly to the Executive Director of ORPC. UNH-IOL is a neutral, third-party laboratory dedicated to testing data networking technologies through industry collaboration. Since 1988, the laboratory has fostered multi-vendor interoperability while preparing students for careers in the industry. The IOL has grown steadily into one of the industry’s premier independent proving grounds for new technologies with a focus on quality assurance. Testing is conducted in the IOL’s 32,000+ square foot facility which houses a multi-million dollar array of test equipment and the latest devices from member companies. In return for their latest devices and support, members are entitled to high-caliber interoperability and conformance testing against other vendors’ devices.
NH Innovation Research Center (NHIRC)

NHIRC is a matching grant program that connects New Hampshire companies with expertise at research universities to solve scientific or technical problems. Established in 1991 and funded by the New Hampshire Legislature, NHIRC has awarded more than $6 million in state funds for research to 129 companies in New Hampshire. The NHIRC has shown leverage of nearly 15:1 on state dollars, including a major component of the state’s EPSCoR (Experimental Program to Stimulate Competitive Research) program funded by federal agencies. NHIRC is responsible for the creation of 600 jobs and its awardees have received greater than $26 million in federal SBIR (Small Business Innovation Research) grants and over $900 million in investment/acquisition capital to date. The NHIRC is administered by ORPC on behalf of the state. The program’s appropriation was reduced by 60% in the 2012-2013 NH State budget.

FY 2011 Accomplishments

This past year involved a “reboot” of ORPC to focus more strongly on external engagement, and the revitalization of systems, structures, and functions promote the identification and leveraging of UNH intellectual assets to more effectively. After a national search, Marc Sedam was named as ORPC’s executive director. Sedam’s extensive experience in managing innovation, technology transfer, and startup formation will enable him to lead UNH’s efforts to protect and promote the intellectual property of the UNH community as well as foster partnerships between UNH and the business community. He recently earned the Certified Licensing Professional™ (CLP) credential, only available to practitioners who have established a combination of high-level expertise in licensing intellectual property with high-impact transactions. Two new staff members were hired to complement Maria Emanuel, a senior licensing manager in ORPC since 2006, who has provided irreplaceable expertise on UNH’s existing intellectual assets and a steady hand during the FY 2011 transition. In addition, ORPC has instituted a robust internship program with the UNH School of Law (UNH Law), taking advantage of its excellent students who focus on intellectual property. So far, four interns have worked in various capacities in the ORPC.

ORPC launched UNH’s renewed focus on the use and commercialization of University innovations across all disciplines by hosting the Innovation Catalyst Seminar Series. These monthly seminars address issues related to commercializing UNH’s innovations, including current and emerging best practices on campus. The seminars are open to all and are designed specifically to be a meeting place for innovators, entrepreneurs, service providers, and students to engage with each other. The well-attended FY 2011 sessions covered topics that included an introduction to the ORPC and its philosophies on UNH innovations, Intellectual Property 101, best practices for working with third parties, and intellectual property issues unique to creative works.

ORPC also hosted a series of seminars and workshops to provide guidance to businesses and individuals applying for Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) grants. The presentations by Lisa Kurek of BBC Consulting took place in a variety of locations across the state and were sponsored by ORPC, the NHIRC, the NH Bio/Medical Council, and the NH Small Business Development Center. The office also leased space in the Idea Greenhouse in downtown Durham to provide flexible incubator space for
faculty and students to plan for future start-ups. Finally, ORPC participated in development of proposals submitted to the i6 Green Initiative and the EDA University Center. These grants, if awarded, will provide additional resources to promote the commercial growth of UNH ideas.

The many policies connected with protecting UNH intellectual property (IP) were reviewed and revised, as necessary, in 2011. Of particular note:

- The Intellectual Property policy was refined to reflect recent court rulings and to clarify the circumstances under which undergraduate students do or don’t own their IP;
- UNH’s first "Facilities Use" policy was created to govern how third parties (including start-ups) work on campus and to make the process consistent and transparent;
- A request was submitted to the Faculty Senate to have faculty sign the Acknowledgement of IP Policy (formerly known as the IP Participation Agreement) during new faculty orientation; and
- Adjustments and clarifications are forthcoming to separate sponsored research from work-for-hire; the major concept is that work-for-hire should be the exception, not the rule, at UNH.

ORPC is in the process of implementing TechTracS®—a comprehensive intellectual asset database and management system that will allow staff to track progress, licensing, and revenues received via technology transfer more effectively. The system will go live on 1 September with data from 2005 to present. A target completion date of 31 December has been set for all available data to be entered in the system.

**Major Projects Planned for FY 2012**

The office plans to build on the whirlwind FY 2011 and continue to increase the impact and value of UNH innovations. The TechTracS® database will be complete by the end of December and will provide a current listing of all technologies available for license. Approval has been given to hire a new licensing manager who will focus on the College of Engineering and Physical Sciences. We will continue to expand the Seminar Series, adding another set of discussions, called “Ask the Expert,” hosted in conjunction with the Idea Greenhouse. The Executive Director also is a member of the faculty of the Whittemore School of Business and Economics (WSBE), teaching “Managing Innovation” and “Exploring Entrepreneurial Management” in the fall semester. Planning is underway for him to teach a modified version of “Managing Innovation” at UNH Law in the spring. ORPC plans to continue its internship program with UNH Law throughout the next year.

*Interoperability improves technology, fosters innovation and speeds go-to-market activities.*
Sponsored Programs Administration

Sponsored Programs Administration (SPA) supports Principal Investigators (PIs); facilitates both pre-award and post-award processes; and mediates among the interests of the institution, the sponsor, and the faculty. SPA’s Grant and Contract Administrators provide assistance with budget development and compiling the components of proposals, and are responsible for the actual submission of proposals. They exercise signature authority on behalf of the University in accepting grant and contract awards and are experts in the rules, regulations and policies of the sponsors, the government, and the University.

Office Restructuring

Sponsored Programs Administration was created in FY 2011 by combining the research administration and financial management functions of the former Office of Sponsored Research. SPA has three components: Export Controls, Research Administration, and Sponsored Programs Financial Management.

Proposals, Awards, and Expenditures

SPA assisted UNH PIs in submitting 780 proposals in FY 2011, requesting $310M in external support. 611 awards were recorded for FY 2011.

Total University sponsored expenditures grew 23% to $125 million during FY 2011. A considerable portion of this growth is attributable to a nearly 10-fold increase in expenditures for new instruments in the UNH Space Science Center.

Moving Toward Electronic Proposal Processing

SPA is working to implement an electronic process to prepare proposals, secure necessary approvals, and submit the proposals to sponsors. Currently, UNH uses an electronic system created by InfoEd International to track submitted grant applications. A proposal development (PD) module can be added to the system to provide an online portal for preparing and submitting the applications. A PD Implementation Team led by Research Office staff has been working for a number of years to address the business processes and other technical issues related to adding this module to the UNH system. InfoEd V13, a new version of the software expected to be released in December, 2011, promises to resolve many of the issues that have delayed implementation of PD at UNH.

While awaiting the release and installation of V13, the Implementation Team is developing an electronic version of the Institutional Approval Form (yellow sheet) and processes for electronically routing proposals to obtain the required approvals by department chairs, deans and/or institute and center directors. The system will be tested with the assistance of campus partners in the departments, colleges, institutes and centers, and business service centers (BSCs) before it is introduced campus-wide.
Meeting Monitoring and Reporting Requirements

American Recovery and Reinvestment Act of 2009 (ARRA)

SPA continued to work with recipients of ARRA funds to meet the reporting obligations of those awards. Reports of expenditures and project progress reports are required more frequently, and in more depth, than usual federal awards. SPA staff provide project directors and support staff with assistance, as needed, in the preparation of these documents, and ensure that the reports are submitted to the federal agencies in the proper format in a timely manner.

Subcontract Management

In 2010, provisions of the Federal Funding Accountability and Transparency Act (FFATA) were put into effect, resulting in an increase in the amount of oversight UNH is required to exert on entities to which it subcontracts funds from federal awards. After a review of its business processes related to subcontracting, SPA made some revisions to its processes, including the creation of the position of Subaward Coordinator.

Time and Effort Certification

The federal government requires an effort report for each individual who has agreed to contribute to a federally sponsored program in exchange for compensation. To maintain consistency, UNH policy requires effort certification for all externally sponsored programs (not only funding that is federally sourced). An effort reporting system must provide records on how individuals participating in sponsored projects actually spend their time. UNH collects this information via the completion of Personnel Activity Reports (PARs). Employees who received pay from at least one grant or contract are required to complete an on-line training module addressing these effort certification requirements and processes.

The UNH policy for effort certification was revised in 2011 following a review of UNH’s effort reporting policies and practices by the Huron Consulting Group and an audit of UNH’s payroll distribution system by USNH Internal Audit. A set of committees was established to work through the recommendations resulting from the reviews and the revised policy is the product of the committees’ extensive and comprehensive efforts. SPA staff played key roles in this process. The revised policy, entitled “Proposing, Managing, and Certifying Effort for Employees Engaged in Externally Sponsored Programs,” was accepted by President Huddleston in March. Subsequently, SPA used a multifaceted strategy to inform the UNH community of the new policy and its differences from the previous one.

In FY 2011, SPA worked with University computing staff to develop an electronic process for effort certification to replace the current paper-based process. The electronic process will utilize USNH’s financial software, Banner, and custom-designed user interfaces to provide an automated approach for completing required certifications. The new process will be implemented in FY 2012.
Financial Management Activities

SPA staff continued in FY 2011 to conduct the financial reporting, invoicing, accounts receivable management, collections and cash management for sponsored awards. Staff ensures compliance with sponsor terms and conditions and federal regulations through training and monitoring activities for allowable costs, rebudgeting, contract modifications, no-cost extensions, and for proper award closeout and records retention. SPA provides coordination and support for sponsored programs in the federal (A-133) single audit and sponsor initiated financial reviews. It also provides support for internal audits affecting sponsored programs as well as guidance and training on internal controls impacting sponsored programs.

Improving the Sponsored Programs Infrastructure

In FY 2011, the Research Office’s Finance and Administration Working Group (FAWG) was formed to explore ways to improve the financial and administrative structures that support the growth of research, scholarship, and creative activity at UNH. Under SPA’s leadership, the FAWG is charged to provide advice, guidance and implementation support in addressing the recommendations made by external reviewers who evaluated UNH’s practices against standards and best practices endorsed by the National Council of University Research Administrators (NCURA).

The Provost and Vice President for Finance and Administration have stipulated that any process improvements in sponsored programs administration should address the principles and values of:

• Cost effectiveness and efficiency;
• Shared stakeholder responsibility;
• Explicit delegation of responsibility, authority, and accountability;
• Services located as closely to the PI as possible;
• Financial compliance at the point of expenditure;
• Integration of support between centralized and distributed offices; and
• Training that ensures requisite skills.

Plans for FY 2012

SPA will focus its efforts in FY 2012 to:

• Complete development and testing of the electronic proposal routing and approval process;
• Implement the electronic time and effort certification process;
• Implement InfoEd proposal development module; and
• Lead the FAWG as it shapes its recommendations for improvements to the UNH sponsored programs administration infrastructure.
Research Integrity Services

Research Integrity Services (RIS) is staffed by a Director and an Administrative Assistant. The office is responsible for the following programs:

- Humane care and use of vertebrate animals, and operations of the UNH Institutional Animal Care and Use Committee (IACUC);
- Protection of human subjects in research, and operations of the UNH Institutional Review Board for the Protection of Human Subjects in Research (IRB);
- Responsible conduct of research (RCR) and scholarly activity program, and operations of the Responsible Conduct of Research and Scholarly Activity Committee; and
- Financial conflict of interest in research and operations of the UNH Disclosure Review Committee (DRC).

The Animal Resources Office (ARO) is a unit within RIS that is staffed by a Director (10% FTE), an Associate Director (currently also UNH’s Attending Veterinarian, 60% FTE), and a technician (100% FTE). The ARO:

- Provides technical support, consultation, and training for faculty, staff and students using/caring for animals at UNH;
- Provides veterinary services for animals used/cared for by UNH faculty, staff and students;
- Assists UNH project directors with the development of protocols for animal use;
- Oversees UNH animal facilities to ensure compliance with federal, state, and institutional standards; and
- Oversees the UNH controlled substances program.

Humane Care and Use of Vertebrate Animals Program

During Academic Year (AY) 2011, the IACUC reviewed 75 initial applications, a 12% increase from the prior year. The portfolio of active protocols that the IACUC oversees was approximately 128 at the end of year. Program highlights for the year included:

- UNH received approval of a new four-year Animal Welfare Assurance by the Public Health Service’s Office of Laboratory Animal Welfare; and
- The annual inspection of UNH’s animal care facilities by the U.S. Department of Agriculture in April resulted in no findings.

During the year, the ARO:

- Conducted collaborative projects with CPEX Pharmaceuticals and Salient Surgical Technologies;
- Provided veterinary surgical and technical support for research projects at the UNH Fairchild Dairy Research Center and the UNH Organic Dairy Research Farm; and
- Assumed responsibility for implementation and administration of the UNH controlled substances program, including development of a management plan.

IACUC Applications
Major projects for the upcoming year for the ARO include:

- Seeking new collaborative ventures with local biomedical companies;
- Updating the Manual for the Care and Use of Vertebrate Animals at UNH; and,
- Obtaining institutional adoption of a UNH policy on Use of Controlled Substances.

Human Subjects Protections Program

During AY 2011, the IRB reviewed 292 initial applications and 90 modifications to existing protocols, increases from the previous year of 1% and 43%, respectively. Regarding review levels for initial applications, 56% were at the Exempt level, 34% at the Expedited level, and 10% at the Full Board level. The number of active protocols that the IRB oversees was approximately 845 at the end of the year. Program highlights for the year included:

- Three new members joined the IRB during the year, representing the Dept. of Management, the Dept. of Education, and the Hamel Center for Undergraduate Research;
- A two-day inspection of the IRB by the Food and Drug Administration (FDA) resulted in no findings; and
- The IRB voted to require that applicants provide documentation of completion of the UNH Web-based training on human subjects protections effective September 1, 2011.

Responsible Conduct of Research and Scholarly Activity (RCR) Program

Accomplishments under the auspices of this program included:

- A UNH School of Law faculty member was recruited to the RCR Committee;
- One section of GRAD 930: Ethics in Research and Scholarship was taught, with 10 enrollees;
- An institutional grant proposal was submitted to the National Science Foundation’s (NSF) Ethics Education in Science and Engineering (EESE) program;
- Three seminars were offered to meet NSF’s RCR training requirement, with 70 participants; and
- Presentations on RCR topics were given in classes reaching approximately 550 students, and in orientations reaching approximately 250 students.

Major projects for the upcoming year in this program area include:

- Developing and delivering seminars for the Graduate School’s new doctoral student RCR training requirement;
- Overseeing a review and update of the RCR Web-based modules; and
- Automating the tracking of individuals’ completion of the RCR Web-based modules.
Financial Conflict of Interest in Research Program

The RIS Director and OSVPR Director of Finance and Administration jointly manage this program. The following were accomplished during the year:

- Working with the Faculty Senate Chair, a Faculty Senate representative to the Disclosure Review Committee (DRC) was appointed for a 3-year term. The previous structure (annual rotation of a Faculty Senate ex-officio member) was not optimal for DRC operations due to the nature of the information needed to be learned to function effectively as a DRC member;
- DRC Operating Guidelines were finalized and adopted by the DRC; and
- A DRC BlackBoard site was created.

Major projects for the upcoming year in this program area include:

- Obtaining institutional approval of an Institutional Financial Conflict of Interest in Research policy and a Conflict of Interest and Commitment policy; and
- Populating the DRC BlackBoard site with current and archival materials.

Other Activities

Other activities in which RIS staff were involved during the year included:

- Participating in the OSVPR Compliance and Risk Management (CRM) working group; and
- Transitioning all RIS-related information to the new Research Office website.

The following activities are planned for FY 2012:

- Proposing changes to the UNH policy on Misconduct in Scholarly Activity;
- Finalizing a compliance matrix and disseminating it across the institution; and
- Researching the feasibility and cost-effectiveness of Web-based submission of human subjects and animal use applications.
Research Computing and Instrumentation

Research Computing and Instrumentation (RCI) provides comprehensive information technology and instrumentation services in support of the UNH research mission. RCI was formed in the fall of 2010 by combining the Research Computing Center (RCC), the University Instrumentation Center (UIC) and Research Information Technology (RIT).

RCI consists of 19 full-time staff members who provide:

- Software development solutions for the web, desktop, and mobile devices;
- Data management and IT support for research investigators and research administration;
- Data center resources and support services;
- Access to state-of-the-art instruments; and
- Instrumentation services, including repair and calibration.

Fiscal Year 2011 Review

The creation of an organizational structure to support the merging of RCC, UIC, and RIT was the top priority for FY 2011. The Associate Director position, vacant for several years, was filled strategically to lead operational activities. In January, a management team was created as a strategic advisory committee to the RCI director. Finally, in February, a Senior Program Support Assistant was hired to assume both administrative and operational responsibilities and to serve as part of the Management Team.

This structure proved effective in advancing RCI towards its goals as stated in the OSVPR FY 2011 Operations Plan:

- Define and execute an organizational structure for RCI that enables the efficient delivery of services;
- Commercialize one of three RCI initiatives ready for technology transfer; and
- Implement a more predictable and sustainable financial plan that generates earned revenue for RCI.
In FY 2011, RCI maintained separate budgets for each of the merged divisions (RCC, UIC, & RIT). As service centers, both the RCC and UIC rely on revenue generation as part of their budgets. The RCC and UIC each closed out FY 2011 with balanced budgets and positive reserves for FY 2012. The RIT consists of two FTEs, both of whom are funded centrally. The table below depicts FY 2011 funding sources.

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>RCC</th>
<th>UIC</th>
<th>RIT</th>
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<tr>
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<td>Central Funds - OSVPR</td>
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<td>Other Support</td>
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<td>Grants, Contracts, &amp; Service Agreements</td>
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<td>$1,229,252</td>
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<td>TOTAL</td>
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<td>$600,843</td>
<td>$252,775</td>
<td>$2,451,415</td>
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</table>

**Awards**

- *Government Computer News* Top 10 Websites of the Year award was made for ERMA® (Environmental Response Management Application®) in October, 2010;
- Gulf of Mexico ERMA® was selected as a 2011 finalist for the prestigious Partnership for Public Service’s Samuel J. Heyman Service to America Medal in the category of Homeland Security; and
- The ERMA®-based Dynamic Response Platform (DRP) was awarded first prize in the 2011 UNH Whittemore School of Business and Economics Paul J. Holloway Innovation-to-Market Competition.

**Campus Committee Participation**

RCI staff represented the interests of the Research Office and the UNH research enterprise overall through participation on the following committees:

- Human Resources (HR) Steering
- Document Imaging Steering
- Finance Information Systems Steering
- LDAP (Lightweight Directory Access Protocol) Group
- HIPAA (Health Insurance Portability and Accountability Act) Data Security
Fiscal Year 2012 Outlook

RCI enters FY 2012 with ambitious intentions to build upon the successes of FY 2011 and with the confidence to make it happen. Goals for FY 2012 include:

1. By the completion of FY 2012, the research community will actively seek RCI for the services we provide. This improved reputation will be achieved through:
   a. Excellent staff who continue to provide the best solutions available;
   b. Effective execution of the RCI marketing and communications plan;
   c. Implementation of a new customer service strategy; and
   d. Integration of RCI into the proposal development process.

2. Reorganization Phase II: Last year RCI focused on the creation of an organizational structure that would support the diverse needs of the research enterprise. With that structure now in place, the focus of attention will shift to improvements within our organization, including processes and job responsibilities.

3. Open Houses: RCI eagerly anticipates the completion of two major renovation projects. The Parsons Hall renovation will bring the aging building up to date and provide new, permanent locations for several instruments, including three NMRs. The 2,000 square-foot renovated Morse Hall Data Center will boast a pod design containing sixteen racks of servers, with space for the addition of a second pod. The climate controls will provide more cost- and energy-efficient air conditioning and new security measures will be implemented to more closely align the data center with National Institute of Standards and Technology (NIST) specifications.

4. Commercialization opportunities that RCI plans to pursue include re-investment in:
   • UNHCEMS® (University of New Hampshire Chemical Environmental Management System, a tool for chemical safety & compliance that is specialized for educational institutions);
   • ICC (Integrated Color Corporation);
   • NEAT (specialized software to securely erase data hard drives and other types of media);
   • ERMA® (Environmental Response Management Application®, a Web-based Geographic Information System (GIS) tool designed to assist both emergency responders and environmental resource managers who deal with incidents that may adversely impact the environment).
Environmental Health and Safety

Mission

The UNH Office of Environmental Health and Safety (OEHS) provides leadership, resources, and services to assure a safe and healthful working environment for all members of the University and its surrounding community through programs of information and education, review and monitoring, technical consultation, and provision of direct services. OEHS also is responsible for developing programs to ensure compliance with applicable state and federal health, safety, and environmental regulations, and campus policies on environmental health and safety. OEHS will be a valued partner in the creation and maintenance of a safe and healthy University environment and will achieve excellence through its provision of leadership, oversight, stewardship and services.

Regulatory Activities

The health, safety and environmental program compliance on campus is shown in the table on page 22.

In addition to the ongoing programs, several federal and state agencies, including the U.S. Department of Transportation, the National Aeronautics and Space Administration, and the State of New Hampshire Department of Safety, conducted inspections of campus laboratories and buildings in FY 2011. No violations were noted and no citations or monetary fines were issued to the campus.

Major Accomplishments

Biosafety Level Three (BSL3) Laboratory Facility Decontamination

OEHS managed the Rudman Hall BSL3 facility decontamination project. The total area decontaminated, including ductwork, was approximately 6,000 cubic feet. OEHS then submitted the necessary paperwork to the Centers for Disease Control and Prevention to discontinue the use of select agents at UNH.

Compliance and Risk Management Strategic Initiative

OEHS has partnered with support units within the Research Office, the UNH colleges, and the USNH General Counsel’s office to form the Compliance and Risk Management Strategic Working Group. The group’s purpose is to consider compliance and risk management issues for the entire University with an emphasis on determining the best ways for departments and other groups to contribute resources to ensure regulatory compliance within their respective areas.

Key Indicators for OEHS

- 47,753 chemical containers on campus
- 40,928 pounds of chemical waste disposed
- 42,732 feet of fluorescent light tubes disposed
- 7,675 pounds of batteries disposed
- 1,229 cubic feet of biohazardous waste disposed
- 1,330 active biological agents
- 581 active laboratory door signs
- 394 aboveground storage tank (AST) inspection reports
- 344 laboratory fume hood inspection reports
- 202 active hazardous waste satellite accumulation area generation sites
- 151 sealed radioactive material sources
- 96 electrical transformer inspection reports
- 37 biological safety cabinet inspection reports
- 59 hazardous waste small quantity generator inspection reports
- 49 hazardous waste satellite accumulation area inspection reports
- 59 biosafety level 2 laboratories
- 3 biosafety level 3 laboratories
Regulated Waste Disposal Contract

In coordination with the other USNH component institutions and USNH Purchasing, OEHS oversaw the development and implementation of a USNH term contract for preferred pricing agreements with third party contractors for regulated waste disposal services. The awarding of this term agreement should result in lower costs for the disposal of regulated waste for UNH.

Hazardous Materials Management Plan (HMMP)

OEHS, with the help of campus stakeholders, developed a comprehensive HMMP. The Plan provides information, guidelines and procedures for purchasing, storage, use, and disposal of hazardous materials throughout the campus.

Significant Projects

Laboratory Safety Inspection Initiative (LSII)

Under the direction of the OEHS Laboratory Safety Officer, the LSII encompassed the inspection of all rooms with hazardous chemicals and infectious substances. Safety inspections of 454 rooms possessing or using hazardous materials in nine campus buildings were completed.

Hazardous Building Materials Assessment Project

OEHS initiated a long-term project to identify and manage hazardous building materials, including asbestos, lead and polychlorinated biphenyls (PCBs) in all campus buildings. The goal of the project is to create a comprehensive inventory of these hazardous building materials and provide the information to facility operations and contractor groups performing routine maintenance or demolition/renovation activities in campus buildings.

Parsons Hall Perchloric Acid Hood Decommissioning Project

OEHS staff assumed project management responsibilities for decommissioning the existing perchloric acid chemical fume hood in Parsons Hall. The work involved hiring a consulting contractor to clean and remove a fume hood and associated ductwork and fan that potentially were contaminated with explosive perchlorate crystals. Work was conducted at a time when the building usually would not be occupied. The project was completed safely and on schedule.

FY 2012 Major Projects

Central Hazardous Waste Accumulation Area Facility Review

OEHS will continue to work with Facilities Design and Construction on the evaluation of hazardous materials processing and the renovation and expansion of the central hazardous waste accumulation facility to ensure UNH has a code-compliant facility.

Development of a Comprehensive Infectious Waste Management Program

OEHS will work to develop a comprehensive infectious waste management program and define the roles and responsibilities of OEHS staff and campus stakeholders.
### USNH Council on Environmental Health and Safety
#### Annual Report - December 2010
\underline{UNH Compliance Status}
December 2009 and December 2010

<table>
<thead>
<tr>
<th>Program Elements</th>
<th>2009</th>
<th>2010</th>
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</thead>
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<td><strong>3.3.3.1.1 Injury and Illness Prevention</strong></td>
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<td><strong>3.3.3.1.2.1 Industrial Hygiene</strong></td>
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<td>- Asbestos Abatement</td>
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<td><strong>3.3.3.1.2.2 General Safety</strong></td>
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<td><strong>3.3.3.1.2.3 Radiation Safety</strong></td>
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<td>- Radioactive Material Inventory</td>
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<td>- Radiation Safety Manual</td>
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<td>- User/Awareness Training</td>
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<td><strong>3.3.3.1.2.5 Occupational Health and Medicine</strong></td>
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<td>- Respirator Medical Questionnaire</td>
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<td>- Animal Handlers Occupational Health</td>
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<tr>
<th>Program Elements</th>
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<td><strong>3.3.3.1.2.5 Hazardous Materials &amp; Environmental Management</strong></td>
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<td>- Contingency Plans for Central Accumulation Area</td>
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<td>- Satellite Accumulation Area Inspections</td>
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<td>- DEA Controlled Substances Inventory</td>
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<td>- DHS Chemicals of Interest Inventory</td>
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<td>- Community Right To Know/SARA Title III</td>
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<td>- Material Safety Data Sheets</td>
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<td>- Water Quality Permits</td>
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</table>

**LEGEND**
- Program in place
- Program undergoing review, improvement, or under development
- Program not in place
- Not Applicable

---

**USNH Council on Environmental Health and Safety**

**Annual Report - December 2010**

**UNH Compliance Status**

December 2009 and December 2010
Organizational Structure of the Office of the Senior Vice Provost for Research

The Research Office

Senior Vice Provost for Research
Jan Nisbet

Finance & Administration
Tammy Goldberg

Faculty Fellow
Kevin Gardner

EPSCoR
Kevin Gardner
Michelle Gregoire

Research Development and Communications
Kathy Cataneo

Research Partnerships and Commercialization
Marc Sedam

Sponsored Programs Administration
Victor Sosa

Export Controls
Victor Sosa

Research Administration
Karen Jensen

Sponsored Programs Financial Management
David Browning

Animal Resources Office
Dean Elder

Environmental Health and Safety
Brad Manning

Research Computing and Instrumentation
Patrick Messer

Coastal and Ocean Technology Programs
Rich Langan

Marine Program
Jon Pennock

PREP
Rachel Rouillard

Instrumentation
John Wilderman

Sea Grant
Jon Pennock

Research Centers
The Staff of the UNH Research Office

Central Office

Jan Nisbet  
Senior Vice Provost for Research  
(603) 862-1948

Diana Couture  
Senior Administrative Assistant

Tammy Goldberg  
Director of Finance and Administration

Environmental Health and Safety

Bradford Manning  
Director  
(603) 862-2571

Jeff Anderson  
Hazardous Waste Specialist

Michele Arista  
Radiation Safety Officer

Ken Brown  
Environmental Health & Safety Coordinator

Dana Buckley  
Biological Safety & Security Officer

Brian Cournoyer  
Occupational Health and Safety Coordinator

Andy Glode  
Laboratory Safety Coordinator

Marjorie Houle  
Administrative Assistant

Marty McCrone  
Chemical Transfer Station Technician

Research Computing and Instrumentation

Patrick Messer  
Director  
(603) 862-2889

Robert Anderson  
Associate Director

Bill Armstrong  
Software Engineer

Tom Baker  
System Administrator

Robert Carrier  
Scientific Applications Programmer

Nancy Cherim  
Analytical Instrumentation Scientist

Robert Cinq-Mars  
Analytical Instrumentation Engineer

Philip Collins  
Software Engineer

Tucker Hurton  
Software Engineer/Operations Manager

Christine Jamiol  
Software Engineer

Steven Knight  
Software Engineer

Mark Maciolek  
Network Administrator

Jennifer Sorrell  
Senior Program Support Assistant

Bob St. Lawrence  
Software Engineer

Mark Townley  
Analytical Instrumentation Scientist

Scott Troy  
Systems Technologist/InfoEd Systems Administrator

John Wilderman  
Manager Instrumentation

Patricia Wilkinson  
Analytical Instrumentation Scientist

Allan Wright  
Software Development Group Manager
<table>
<thead>
<tr>
<th><strong>Research Development and Communications</strong></th>
</tr>
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<tbody>
<tr>
<td><strong>Kathryn Cataneo</strong> Director</td>
</tr>
<tr>
<td>Lynnette Hentges</td>
</tr>
<tr>
<td>Manager, Program &amp; Proposal Development &amp;</td>
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<tr>
<td>UNH Research Webmaster</td>
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<tr>
<td><strong>Research Integrity Services</strong></td>
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<tr>
<td><strong>Julie Simpson</strong> Director</td>
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<tr>
<td>Dean Elder</td>
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<tr>
<td>Interim Director, Animal Resources Office</td>
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<tr>
<td>Elizabeth Skoglund</td>
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<td>Laboratory Technician, Animal Resources Office</td>
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<td>Kathleen Stilwell</td>
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<td><strong>Research Partnerships and Commercialization</strong></td>
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<tr>
<td><strong>Marc Sedam</strong> Executive Director</td>
</tr>
<tr>
<td>Maria Emanuel</td>
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<tr>
<td>Senior Licensing Manager</td>
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<tr>
<td>Gretchen Smith</td>
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<tr>
<td>NHIRC Program Manager</td>
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<tr>
<td>Paige Smith</td>
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<tr>
<td>Senior Program Support Assistant</td>
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<tr>
<td><strong>Erica Johnson</strong> Director, InterOperability Laboratory</td>
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<tr>
<td>Andy Baldman</td>
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<tr>
<td>Senior Engineer, Storage, Mobile Technologies</td>
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<tr>
<td>Andy Baldman</td>
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<td>Timothy Carlin</td>
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<td>Curtis Donahue</td>
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<td>Christina Dube</td>
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<tr>
<td>Manager, Bridging Technologies</td>
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<td>Dave Estes</td>
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<td>Mikkel Hagen</td>
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<td>Lincoln Lavoie</td>
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<td>Chief Engineer</td>
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<td>Jennifer Royce</td>
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<td>Brad Upson</td>
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<td>David Woolf</td>
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<tr>
<td>Kari Younsi</td>
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<tr>
<td>Business Manager</td>
</tr>
<tr>
<td>Ryan Zarick</td>
</tr>
<tr>
<td>Technical Staff, R&amp;D</td>
</tr>
</tbody>
</table>
# Sponsored Programs Administration

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Victor Sosa</td>
<td>Director</td>
</tr>
<tr>
<td>David Browning</td>
<td>Manager, Sponsored Programs Accounting and Financial Compliance</td>
</tr>
<tr>
<td>Sharon Desjardins</td>
<td>Grant and Contract Administrator</td>
</tr>
<tr>
<td>Diane Gingras</td>
<td>Senior Business Services Assistant</td>
</tr>
<tr>
<td>Dianne Hall</td>
<td>Grant and Contract Administrator</td>
</tr>
<tr>
<td>Karen Jensen</td>
<td>Manager, Research Administration</td>
</tr>
<tr>
<td>Pete Lester</td>
<td>Senior Grant and Contract Administrator</td>
</tr>
<tr>
<td>Kathie Lopez</td>
<td>Business Service Assistant II</td>
</tr>
<tr>
<td>Karen Maria</td>
<td>Accountant III</td>
</tr>
<tr>
<td>Diana Markham</td>
<td>Accountant III</td>
</tr>
<tr>
<td>Kelly Marti</td>
<td>Grant and Contract Administrator</td>
</tr>
<tr>
<td>Kathy Mason</td>
<td>Accountant I</td>
</tr>
<tr>
<td>Melissa McGee</td>
<td>Senior Grant and Contract Administrator</td>
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<tr>
<td>Noreen Norman</td>
<td>Senior Grant and Contract Administrator</td>
</tr>
<tr>
<td>Jahnay Pickett</td>
<td>Senior Grant and Contract Administrator</td>
</tr>
<tr>
<td>Amanda Pimentel</td>
<td>Subrecipient Agreement Coordinator</td>
</tr>
<tr>
<td>Marilyn Qua</td>
<td>Accountant I</td>
</tr>
<tr>
<td>Lisa Scigliano</td>
<td>Senior Grant and Contract Administrator</td>
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<tr>
<td>Susan Sosa</td>
<td>Senior Grant and Contract Administrator</td>
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<tr>
<td>Kathryn Wainwright</td>
<td>Accountant III</td>
</tr>
<tr>
<td>Susan Whitcomb</td>
<td>Administrative Assistant</td>
</tr>
<tr>
<td>Jean Wyman</td>
<td>Business Service Assistant II</td>
</tr>
</tbody>
</table>

# New Hampshire EPSCoR

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan Nisbet</td>
<td>State Director</td>
</tr>
<tr>
<td>Kevin Gardner</td>
<td>Associate Director</td>
</tr>
<tr>
<td>Michelle Gregoire</td>
<td>Program Manager</td>
</tr>
</tbody>
</table>
For More Information...

UNH Research
http://www.unh.edu/research

NH EPSCoR
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NH Innovation Research Center
http://www.nhirc.unh.edu/

UNH InterOperability Laboratory
http://www.iol.unh.edu/

Research at UNH. Innovation. Education. Impact.
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Report of the President's Blue Ribbon Panel on Research
http://www.unh.edu/research/sites/unh.edu.research/files/docs/OSVPR/Blue%20Ribbon%20Panel%20Report

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Academic Initiatives
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∞ For printed copies, contact Kathryn Cataneo, Director of Research Development and Communications, at k.cataneo@unh.edu or (603) 862-0357.