This quarter, we were pleased to appoint Louise Griffin as our new Director of Administration for OSVPR. Griffin brings years of experience from her work as the Director of Corporate and Foundation Relations at UMass Lowell. She will use her extensive background in sponsored programs, technology transfer, and communications to work closely with us in the coming months. We are excited to have her join us in April. She will set up times to meet with each of the units to learn about the work that is underway and meet the people who keep the boat afloat.

Speaking of boats, our work with the new Marine School is moving along as planned. Currently, we are in the process of developing an external advisement board which will be chaired by David Kennedy. Kennedy, who served as the Deputy Undersecretary of Operations for NOAA, also coordinated the federal response to the Exxon Valdez and Deepwater Horizon oil spills with Nancy Kinner and Larry Mayer. We are very lucky to have David on board.

Marc Sedam and I attended a UNH Foundation Research Innovation and Economic Development Committee meeting. We presented the plan for UNHInnovation and received great feedback on ways to move UNH’s research into the marketplace. We will be meeting with the Committee again at the next Foundation Board meeting in May.

(continued on page 6)
Research Development Is a Strategic Initiative

When the UNH Office of Research Development and Communications (RDC) was started in January of 2010, founding director Kathy Cataneo literally sat at her bare desk, asked herself “where can we add value,” and began to design a number of innovative, strategic programs to help remove barriers and create opportunities for faculty to increase their success with external funding. Having seen thousands of proposals during her 20+ years with UNH’s Office of Sponsored Research, she was keenly aware that many proposals suffer from insufficient preparation time and from inadequate infrastructure to support their preparation. She set about to change these conditions.

Today, UNH’s RDC stands shoulder to shoulder with some of the best research development offices at U.S. universities. To accomplish this, RDC has become adroit at leveraging partnerships and resources within and outside UNH. RDC staff (Cataneo, Lynnette Hentges, and Michael Thompson) design and deliver program curricula with their partners. For example, RDC started a new program this semester to support faculty who want to improve and resubmit declined proposals to the National Science Foundation (NSF) or who are NSF CAREER program aspirants. This program, called “Making Your NSF-Forts Count,” supports a cohort of 12 faculty meeting monthly for workshops and seminars that provide guidance on working with NSF and crafting proposals.

Recognizing that planning the “broader impacts” aspects of NSF projects often is a challenge to researchers, RDC initiated a partnership with UNH Cooperative Extension to develop a curriculum to provide the cohort with opportunities to develop potential project partnerships within and outside UNH. These in turn help the faculty craft strong broader impacts sections of their proposals.

A similar program, “UP-2-NIH,” is composed of a year-long series of monthly webinars, seminars, and writing/peer review workshops dedicated to improving faculty success with applications to the National Institutes of Health. Dr. Rick Cote, chair of the Molecular, Cellular, and Biomedical Sciences Department, served as the UP-2-NIH faculty fellow for 2013-2014, the second year of this program. Each faculty participant has an NIH-experienced on- or off-campus mentor to guide them. On-campus mentors hail from a variety of departments, including psychology and the Institute on Disability. In addition to workshops presented by RDC staff and Dr. Cote addressing specific tools and techniques to help participants become familiar with NIH and the application components, a session focusing on topics such as research integrity, the NIH eRA Commons, and budgeting was presented by representatives from RIS and SPA. All the UP-2-NIH activities are designed to present a holistic, strategic mind-set to approaching the application process.

Cataneo serves on the Engagement and Academic Outreach Office leadership teams for the annual spring semester Research and Engagement Academy and the summer UNH Writing Academy, each with cohorts of 20+ faculty per year. Cataneo’s, Thompson’s, and Hentges’ participation in these academies helps raise awareness of RDC services and staff.

In addition to working with faculty in group settings, RDC meets with individuals to tailor approaches to address the unique situations of each person and funding opportunity. As well as assisting with new proposals, RDC helps faculty interpret reviews of declined proposals and plan strategies for revising and resubmitting the proposals. RDC also provides encouragement and guidance to faculty regarding building relationships with potential sponsors. Recently, Cataneo and Thompson accompanied a group of UNH faculty on a visit to the NSF to meet with numerous program officers, in order to begin building these professional relationships necessary for ultimate success.

Thompson manages the RDC proposal editing/polishing service, which employs graduate students trained in the art of persuasive writing. In addition, RDC has developed a variety of tools to assist proposers, including templates, suggested text for some proposal sections, and proposal “deconstructions” which integrate the content requirements with the formatting requirements and other sponsor instructions.
Research Development Is a Strategic Initiative  
*(cont. from p. 2)*

This is one of those areas where Cataneo believes RDC adds tremendous value. “New faculty and those new to a particular funding opportunity or sponsor typically don’t realize how many parts there are in a complete application. Biosketches, facilities and other resources documents, and data management plans, for example, are all requirements that are also opportunities for the proposal writer to showcase him/herself and the institution. Yet, many faculty put off working on these important documents until the 11th hour. Working with RDC just once empowers the proposal writer to manage these parts more efficiently and effectively, leaving more time for polishing their research project descriptions.”

Two years ago, RDC joined forces with the UNH Graduate School and the Office of National Fellowships to design a program to increase campus awareness of and success with the NSF Graduate Research Fellowship Program (GRFP). Through a series of workshops and one-on-one meetings, graduate students and their faculty advisors are aided through the often-overwhelming process of producing and assembling written materials for a competitive fellowship application. This year, UNH students submitted 34 applications to NSF GRFP, double the number from the prior year, which itself had more than doubled the number from two years ago. UNH just celebrated the most successful NSF GRFP outcome to date, with four students awarded fellowships and four receiving honorable mentions in 2014. RDC is now considering other potential graduate student research support opportunities to promote, which ultimately serves both the students and the faculty.

Celebrating faculty research accomplishments provides a basis on which to build future successes and enhance UNH’s reputation. Prior to the formation of RDC, there was no central office dedicated to this. In Cataneo’s first year as director, she wrote nominations resulting in UNH’s eligibility to participate in the Pew Scholars Program in the Biomedical Sciences and in the Searle Scholars Program, as well as preparing nomination packages for several faculty for prestigious national-level awards and prizes. Thompson is now tasked with the nominations, and has authored eight so far this fiscal year.

Hentges contributes to RDC’s efforts to communicate research accomplishments to the University and beyond in her role as webmaster for the UNH Research Office web site and as the chief creator and editor of the print and on-line publications produced by RDC. Publications include Research Spotlight blog posts, faculty Research Profiles, the annual Research Digest, the *Research Office Annual Report*, and the *OSVPR Insider* quarterly newsletters to help keep the division-wide staff in touch with each other and with Research Office strategic goals. The web site also markets the various training and education programs offered by all Research Office units, and provides necessary information and tools for UNH researchers to conduct their research and to succeed in securing funding for their activities.

The Faculty Research Excellence Seminar series, begun in 2013, provides another opportunity to showcase UNH research and researchers. At these seminars, UNH faculty and other experts discuss their work in a forum that allows for interactions with colleagues and other professionals from within and outside UNH, with the broader University community, and with the public. A recently added tool for communicating the breadth, depth, and quality of UNH’s research, scholarly and creative activity to a wide audience is the Research Office’s Twitter feed, @UNHResearch, which is managed by Thompson.

The partnerships and activities described above have enabled UNH’s Research Development and Communications Office to accomplish much more than similar-sized offices at other universities, and have garnered UNH RDC regional and, recently, national recognition in the relatively new field of Research Development. For Cataneo, Hentges, Thompson, and the editorial assistant team, the opportunity to assist and recognize the efforts of talented UNH researchers is creative, deeply satisfying, and always fascinating.
RDC Profile: Michael Thompson, RDC Associate

Michael Thompson—RDC’s newest full-time employee—brings a varied professional and educational background to the unit and to the UNH Research Office. After graduating from the University of Arizona in 2004 with a B.A. in Creative Writing, Thompson returned to his hometown in the Chicago suburbs to work as Account Manager for his family’s small reprographics business. During his years of working in the business, Thompson found himself longing for more creative endeavors. He shifted his attention again towards writing, working long hours to hone his craft. He then applied to several MFA in Writing programs. After being accepted by UNH, Thompson visited New England for the first time in the spring of 2010 and fell in love with the area. He and his wife, Emily, moved to Durham with their sons Dylon (now 11) and Liam (now 6).

In the summer of 2010, Thompson accepted a work-study position at UNH’s Office of National Fellowships, which assists students applying for prestigious external awards. Working with Robert Stiefel, then Fellowships Director, Thompson acquired significant expertise in how to craft winning applications and find funding opportunities. That fall, Kathy Cataneo began to assemble an editorial assistant team of English graduate students for the newly established RDC unit. Fortuitously, she and Lynnette Hentges met with Stiefel to discuss collaboration between their two offices, and heard from Stiefel about Thompson’s exceptional work. Cataneo offered Thompson a work-study position with RDC. (Nice poach, Kathy!) Soon, he was supervising the other editorial assistants as a team leader, balancing his RDC responsibilities with an English department Teaching Assistantship and his dedication to his family. In the fall of 2012, he played a central role in initiating UNH’s successful new approach to assisting students applying for the NSF Graduate Research Fellowship Program, providing UNH graduate students with one-on-one support throughout the challenging process. After earning his MFA, Thompson applied for and was offered a full-time position at RDC in June of 2013.

Thompson uses his writing skills daily as an RDC Associate. “You have to be able to tell a compelling story to write a compelling grant proposal,” he explains. The ability to write for a specific audience while engaging the reader is a careful art, and Thompson uses his unique background to negotiate each new project. Thompson also brings MFA-style “writing workshop” techniques to RDC’s various faculty development programs, encouraging peer-led constructive criticism sessions that take a collaborative approach to translating science to textual proposals and manuscripts. These positive environments encourage lively discussions of how the information might best be articulated by the researcher.

In his new role, Thompson continues to oversee the RDC graduate student editorial assistants. He recently spearheaded a partnership with the English department Graduate Program to create a Research Development and Communications Internship. This fall, RDC will welcome the first two interns through this newly established program. The interns will review and edit grant proposals to federal funding agencies such as NSF and NIH, write communications pieces on behalf of the Research Office, and work with graduate students applying for federal funding for their research. Thompson is also in the process of creating a cross-disciplinary proposal-writing course for graduate students, which will have its first session in 2015.

Another new RDC initiative is to develop a strategic process to nominate faculty for awards and fellowships. Thompson has already helped write, compile, and submit eight nomination packages during this fiscal year. “It’s always fascinating to learn about UNH researchers’ diverse interests and backgrounds,” says Thompson.

Thompson’s family is enjoying life in New Hampshire, too. Emily is now enrolled in UNH’s MFA program, and Dylon and Liam love the Oyster River schools. Both boys play soccer. Dylon will be taking taekwondo this summer and Liam is planning on seeing how his hip-hop and ballet dance skills translate to the gymnastics floor.
Comings, Goings, & Goings-on

Maggie Trubeau, OEHS’s Biological Safety and Security Manager, left UNH on March 14th to start working as an industrial hygienist at General Electric in Albany, New York.

UNHIinnovation welcomed Chelsey DiGiuseppe as Marketing Manager in January. She manages the UNHI website and designs and executes all communication efforts regarding public relations, faculty outreach, and promotion of UNH’s intellectual property and industry resources. Chelsey has a bachelor’s degree in graphic design from Keene State College and joins UNHI with over 5 years of experience in marketing and communications in the technology field.

In February 2014, UNHIinnovation welcomed Annie Schofield in the role of Program Support Assistant. Annie has previous experience in customer service and administrative roles for various local businesses and non-profits. She is fascinated by the way that creativity can be transformed into economic growth. Annie graduated summa cum laude from UNH with a BA in English in 2012.

Dianna Chase has joined the IOL as an Office Assistant. Her responsibilities include reception and billing assistance, working with over 150 companies and industry contacts. She also oversees student employment application processes and managing interview and phone screening schedules with over 20 different hiring managers.

RCI has a new software engineer: Martin Ledoux. Martin is a member of the ERMA (Environmental Response Management Application) team, working primarily on additional development and support for this web-based GIS tool.

Devina Mooney has joined SPA as a Financial Research Administrator. Devina came to SPA from the CHHS BSC where she had worked for the past 7+ years. Prior to that she worked in USNH Accounts Payable as the travel coordinator, UNH Business Services, and in the USNH Controller’s office. Devina has completed courses towards an MS in Accounting at UNH. She will be a strong addition to the Accounting and Financial Compliance team (formerly known as the Financial Management Group).

Dana Buckley has returned to UNH to serve as the Biological Safety and Security Manager in OEHS.

As mentioned in the SVPR Corner, Louise Griffin is the new Director of Administration, Office of the Senior Vice Provost for Research. Louise most recently was the Director of Corporate and Foundation Relations at the University of Massachusetts-Lowell. Prior to serving in that position, she was VP for Research Administration, Hebrew Senior Life; Interim Vice Chancellor for Administration and Finance; Managing Director, External Funding, Technology Transfer and Partnering; and Director of Grants and Contracts—all at the University of Massachusetts Lowell. Louise has a BS in Business Administration and an MBA with a concentration in Finance.

UNH officials have signed a 20-year lease that will make the InterOperability Lab the anchor tenant in a new $30 million development. The Madbury Commons recently received final Durham Planning Board approval for the mixed-use development on 2.6 acres in the heart of downtown Durham, with 126 apartments to house 525 students and 45,000 square feet of commercial space. The IOL will occupy 25,000 square feet with other parts of the university’s commercialization efforts occupying another 10,000. Construction will begin in May and the building is expected to open for the fall 2015 semester. Madbury Commons will be located near the Peter T. Paul College of Business and Economics at 17 & 21 Madbury Road with the main entrance for the IOL on Pettee Brook Lane. The Commons replaces two fraternity houses and an outdated housing complex known as The Greens.
A team from Arizona State University’s (ASU) Office of Environmental Health and Safety visited campus in February to learn about the UNH Chemical Environmental Management System (UNHCEMS®). The program enables colleges and universities to manage their chemical inventory from procurement to disposal (“cradle to grave”). UNH’s OEHS and Research Computing Center (RCC) designed the web-based application UNHCEMS® in 2001 to improve laboratory safety, track quantities and locations of hazardous materials, and provide emergency response information to laboratory and emergency response personnel at UNH.

Other universities such as Brown and the University of Massachusetts have also sent teams to study how UNHCEMS® might be emulated on their campuses. The ASU visiting team included David Gillum, who previously worked in OEHS. He is currently ASU’s associate director for biosafety and biosecurity. Accompanying David was Henry Walsh, the ASU manager of environmental programs.

At the end of March, the University Instrumentation Center received a new Tescan Focused Ion Beam Scanning Electron Microscope (FIB-SEM). This scope will be the showpiece of what will be a newly redesigned UNH Imaging Core Facility located on the level below the Chemistry Library in the Iddles wing of Parsons Hall. Construction will start at the end of April and is scheduled to be completed by the end of July. In the meantime, the new scope is temporarily located in Parsons Hall W118 along with other UIC equipment.

This scope was made possible by an NSF Major Research Instrumentation grant awarded to Dr. Todd Gross in the Department of Mechanical Engineering. Kathy Cataneo and Michael Thompson, with input from John Wilderman, and Patrick Messer, provided extensive assistance to Dr. Gross in the preparation of the successful proposal.
Brian Cournoyer attended a comprehensive industrial hygiene review class in Ann Arbor, Michigan. Sponsored by the American Industrial Hygiene Association, the 4 and 1/2-day course is an intensive, high-level review of a wide range of industrial hygiene topics for individuals preparing to take the American Board of Industrial Hygiene Certified Industrial Hygienist examination, those who have taken the exam but need a refresher, or others who desire a comprehensive review of topics relevant to the practice of industrial hygiene. Brian plans to take the certification exam in the future.

Pat Wilkinson attended the PANIC Conference (Practical Applications of NMR in Industry Conference) in Charlotte, NC in February. This conference focuses on the application of Nuclear Magnetic Resonance to solve real-world problems faced by scientists in academic, industrial and government laboratories. Molecular structure determination, quantitation of mixtures and quality assurance of materials are just a few of the topics that were covered. In addition to oral presentations, the conference included a poster session, workshops, a vendor exhibit hall and time for networking with the other attendees.

In January, Patrick Messer attended the 2014 annual meeting of ECAR (Educause Center for Analysis and Research) in Tempe, Arizona. The meeting theme was “The Current State of Research Computing in Higher Education.” The program focused on the challenges of supporting research computing, including cyberinfrastructure, research networking, the implications of mobile technologies, data management, and management of research computing.

Michael Thompson attended the annual Council on Undergraduate Research Dialogues in Arlington, VA in February, where he met with program officers from numerous federal agencies.

In January, Lynnette Hentges, Michael Thompson, and Kathy Cataneo attended the National Organization of Research Development Professionals Northeast region semi-annual meeting, held at Northeastern University. Kathy chaired the meeting and facilitated a break-out session on assessment of research development efforts. Michael facilitated a session on supporting graduate students’ research.


Marc Sedam testified before the NH State Senate regarding the Patent Infringement Bill (SB 303) on February 4, 2014.

Kathy Cataneo was interviewed by Peg Atkisson (Grant Writers’ Seminars and Workshops) for two articles in the March/April 2014 NCURA Magazine: “Research Development: Where to Begin?” and “Research Development: Who Does This Work?”
Lincoln Lavoie was appointed to the Broadband Forum's Board of Directors.

Erica Johnson is the new chair of the Open Networking Foundation’s Testing Leadership Council.

UNHInnovation was awarded an 18-month grant from the National Collegiate Inventors and Innovators Alliance (NCIIA) to strengthen existing curricula and build new courses and programs in invention, innovation, and technology entrepreneurship. The NCIIA funding will support development of a new course, Managing Innovation, based on an existing UNH course, Creating a Successful Business Using Lean Startup Methodology. The new course will be taught by Marc Sedam.

Congratulations to John Wilderman who finished his MBA program at Plymouth State University. John worked hard for just a little over three years and graduated March 1st. He is looking forward to putting much of what he learned to use in the UIC.

Tim Carlin and his wife Alanna had a baby boy, Connor Joseph, on March 25th. Connor was 21 inches long and weighed in at 8.4 pounds. Congratulations, Carlin family!

In February, 48 members of the Safe Beaches and Shellfish project from both Maine and New Hampshire met in Freeport, ME.

Fifty-eight members of the NH EPSCoR Ecosystems and Society team met in late March at UNH to develop cross-cutting topics for papers and proposals. The meeting was attended by NSF program officers, including the EPSCoR program director.

These large NSF EPSCoR-funded projects support multidisciplinary and inter-institutional research and related education and outreach activities. Both the Safe Beaches and Shellfish project and the Ecosystems and Society project strive to integrate social science research with biophysical research with the goal of providing information for environmental resource managers to make science-based decisions.

NH EPSCoR and Maine EPSCoR are working on plans to co-host the 24th NSF EPSCoR National Conference in Portsmouth in November, 2015. Titled “Collaboration: Advancing the Role of Science in the Service of Society,” the conference will bring together about 400 faculty, university administrators and staff, students, legislators and industry leaders from 28 EPSCoR states and territories. NH EPSCoR and Maine EPSCoR are partners in the New England Sustainability Network, a project funded by an NSF EPSCoR Research Infrastructure Improvement Track-2 award in 2013. The success of that partnership gave rise to the theme of this conference and the desire to collaborate more in shared areas of research interests such as environmental science and water resources, alternative energy and fuel development, and nanotechnology.