Bouvé Benefactors

The generosity of Marlene Goldstein and George Behrakis, P ‘57, Hon. ‘98, reflects their appreciation for the past and vision for the future.
Commencement week is always such an inspiring time on campus! The Bouvé family comes together to celebrate the accomplishments of the future leaders in healthcare. It is especially gratifying to welcome new graduates into the alumni community, where I hope they will remain engaged throughout their lives.

The magic of Northeastern's co-op program combined with our commitment to interprofessional education makes our graduates uniquely prepared to have an immediate impact in their chosen professions. The Interprofessional Education Collaborative, sponsored by leading healthcare associations and organizations, has made it clear that interprofessional practice is the key to safe, high-quality, and accessible patient-centered care. Bouvé students enter the work force equipped with hands-on experience and an understanding of the interprofessional nature of hospitals, community centers, healthcare offices, and corporations.

Last fall, we dedicated the interprofessional Arnold S. Goldstein Simulation Laboratories Suite, designed to engage students from across eight different health professions, in what was an emotional ceremony for the entire community. We are eternally grateful to Marlene Goldstein for her generosity and vision in creating the Laboratories Suite in honor of her late husband, Arnold, P ’61, PhD ’91.

The healthcare education conversation is ever-evolving. This year, we hosted four industry leaders to engage in discussions on the future of healthcare education (page 12). The dialogue continues across campus, on our faculty and students blogs, and in our virtual classrooms.

Bouvé is making major strides in advancing healthcare, locally and globally. Students like Constance de Monts have the motivation and drive to take on the first global physical therapy co-op in Switzerland. Faculty members like Dr. Rupal Patel, recently featured at TedWoman, are conducting research that is improving lives, inspiring students, and fueling national conversations on innovation.

I am deeply inspired by the tireless energy and effort of faculty, students, and alumni who make Bouvé College of Health Sciences a place where students are supported, challenged, and embraced and where faculty can make a significant impact.

Please visit us when you are in the Boston area. You will be amazed at the impressive transformation of our campus and facilities, and I would be honored to personally welcome you back to Bouvé!

Sincerely,

Terry Fulmer, PhD, RN, FAAN
Dean and Professor, Bouvé College of Health Sciences
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Graduating senior, Matthew Schmidt, BS Pharmacy Studies, ’14 and PharmD ’15, has been honored with the Harold D. Hodgkinson Achievement Award. This university-wide award is the highest award that a senior at Northeastern can receive, with only three awarded each year. Matt is an active member in many organizations and societies, including the Pharmacy Student Governing Organization; Phi Lambda Sigma; Rho Chi Honor Society; Beta Theta Pi Fraternity; and the Northeastern Golf Team. Matt currently ranks first in his class and has been on the dean’s list every semester of his pharmacy program while also pursuing a minor in business administration.

He has completed co-ops at the Beth Israel Deaconess Medical Center (BIDMC), Novartis, and Inman Pharmacy. “As a pharmacy intern (at BIDMC), I observed the commitment of health professionals to the care of our patients and the communities we serve. It was energizing to see passionate pharmacists who enjoyed their profession and who put the patient above all else. Assisting, caring for, and improving the lives of others are important reasons that I am becoming a pharmacist. I want to make a difference in the lives of others, and BIDMC proved to me that this dream is real.”

His second co-op brought him to Novartis, a leader in the pharmaceutical industry. “I was fortunate to have the opportunity to do my second co-op at Novartis Institutes for BioMedical Research. As a global company, Novartis gave me the experience I was truly seeking. I was directly involved with the implementation of early phase clinical trials on a global scale. Through video conferences, I worked with industry professionals from Switzerland, Germany, and England. My contribution to these trials and participation in the forefront of pharmaceutical research made me realize the overwhelming impact I have the potential to make. This experience has inspired me to pursue a career in the pharmaceutical industry.”

“My last co-op brought me directly into the community working as a pharmacy intern at Inman Pharmacy in Cambridge, MA,” said Matt. There, he “developed the skills to assist and help patients with all of their healthcare needs.”
At the recent School of Pharmacy Scholarship and Awards Convocation, Matt received three scholarship awards endowed by and named in honor of George and Margo Behrakis, the Meriano School of Pharmacy, and Alfred and Joy Viola. In the words of Pharmacy Dean John Reynolds, “I am certain that Matt will go on to distinguish himself further as a successful professional, a proud spokesperson for all that is great about our university, and a good citizen of the world.”

Caitlin Courtade, Doctor of Physical Therapy, ’14, has been honored with the Compass Award. This award, presented by Alumni Relations and The Northeastern Fund, recognizes one senior student from each undergraduate college who has shown commitment to core values: leadership, volunteerism, academic integrity, and commitment to the university. Caitlin has participated in the University Honors Program and has been on the Northeastern Dean’s List from 2009-2013. Her commitment to her college as a Bouvé Ambassador and Bouvé Fellow, in which roles she has successfully fostered and improved relationships between mentors and incoming freshmen, has been extraordinary. Her co-ops have taken her to the Neurorecovery Network and Outpatient Clinic at the Boston Medical Center and to the Genesis Coolidge House Inpatient Subacute Rehabilitation Facility. Last year, she ran the NYC Marathon for the Michael J. Fox Foundation in honor of her grandfather to raise awareness of and funding for research in Parkinson’s disease. Caitlin truly embodies all the qualities upon which the Compass Award is based.

Also honored by Alumni Relations, Nicole Bourque, Bachelor of Science in Health Sciences, ’15, received the Garnet Award, presented to one junior or middler who reflects the core values of leadership, volunteerism, academic integrity, and commitment to Northeastern, now and in the future.

Nicole fits the bill. An academically gifted and engaged student who finds ways to contribute her time and talents in an amazing array of activities, both on the Northeastern campus and in the broader community. She is president of the Health Disparities Student Collaborative and a member of the Northeastern Smoke-Free Task Force, the Resident Student Association, No Limits Dance Crew, the National Resident Hall Honorary, the American Public Health Association, the Community-Based Public Health Youth Caucus, the American Cancer Society’s Relay for Life, and the Center for Community Health Education Research and Service (CCHERS).

In addition to Nicole’s numerous co-curricular and extra-curricular activities, she has been on the dean’s list in a very competitive undergraduate program. Nicole’s extensive array of activities exemplifies the central goal that she has defined for herself: building healthier, happier communities.

We congratulate the following talented Bouvé students

We congratulate the following talented Bouvé students who have won the Sears B. Condit Awards, which recognize the 100 college-wide graduating seniors with the highest QPAs, and the President’s Awards, which recognize the ten students in each of the graduating classes of 2014, 2015, and 2016 with the highest QPAs.

**CONDIT AWARD WINNERS**


**PRESIDENT’S AWARD WINNERS**

Medication adherence assistance for older patients, a nursing mobile app, and a novel chemistry are just a few of the ventures whose principals are mentored in the Health Sciences Entrepreneurs (HSE) Program. Housed in the Bouvé College of Health Sciences, this unique program was founded in 2005 by Joseph Fleming, PAH ’70, MS ’71 and a group of Northeastern alumni, themselves successful founders and CEOs of businesses, to facilitate entrepreneurial business opportunities in the health sciences for students, alumni, and faculty.

“The HSE program has grown from an annual event to a year-round activities and an incredibly successful mentoring program. Our mentors receive great satisfaction teaching young, passionate entrepreneurs about the ins-and-outs of starting a company in the sometimes daunting field of the health sciences,” explains Fleming.

“Our mentors are alumni and friends who are presidents, CEOs, or entrepreneurs themselves.”

JOSEPH FLEMING

Through HSE, participants collaborate with entrepreneurs and innovators throughout the university to develop the skills needed to build successful businesses. Here is a sampling of current HSE ventures:

**Nightingale Apps**

Founder Tiffany Kelley, PhD, MS/ MBA ’08, RN, came up with the idea of Nightingale Apps while working on her PhD thesis at Duke. “I am thrilled to have this program available to me as a Northeastern graduate. I just met with my mentors for the first time and they gave me some amazing insights into creating a niche for Nightingale.” Nightingale Apps is a health information technology company that offers mobile applications to nurses for improving the quality, flow, and accuracy of information needed for the care of hospitalized patients. The initial patent-pending product, Know My Patient™, supports nurses with the information they need to care for their patients from one end of the day to the other. [www.nightingaleapps.com](http://www.nightingaleapps.com)

**Quad Technologies**

Sean Kevlahan, PhD ’13, launched Quad Technologies with his co-founders in February 2012. The company says its magnetic microbeads, called QuickBeads™, will enable scientists to isolate target cells from a large mix of other cells and help them to derive stem cells from blood. Their technology earned Quad entry into the Boston-based Masschallenge Startup Accelerator, which runs an annual competition for early-stage companies. Quad was one of eight finalists and won a prize of $45,000 to bring QuickGel™ aboard the International Space Station. [www.quadtechnologies.com](http://www.quadtechnologies.com)

**CleriCare**

Founders Eugene Khazan, E ’91, and Ed Faulkner originally came to their HSE mentors with the idea of a “smart pill box” for those needing assistance remembering to take medications. The inspiration for CleriCare came from watching loved ones struggle with the challenge of managing their own care as they aged. Medication compliance—taking the right medication at the right time, every time—can dramatically improve the quality of life for older adults and lower healthcare costs. Three years later, their company was launched with CleriCare’s flagship product, eMAR Express. Their software is designed around the day-to-day needs of real nurses and caregivers. Eugene and Ed take pride in working closely with their customers to make the software fit existing workflows. The result is better software that is easier to learn, assures compliance, and improves medication adherence. [www.clericare.com](http://www.clericare.com)

To learn more about HSE, to get involved or to view videos of HSE events, visit [www.neu.edu/hse](http://www.neu.edu/hse) or contact Julie Norton, director, Health Sciences Entrepreneurs, at 617-373-4839 or j.norton@neu.edu.
I have a great love of nursing and I want to share it. My deep commitment to mentoring and educating the future generation of nurses is a constant source of motivation for me. In my undergraduate and doctoral programs at Boston College, I experienced many great teachers and professional role models, so I know what a difference an effective teacher can make. I have also had the benefit of many years of experience in clinical practice and leadership, including more than 14 years serving as vice president of patient care services and chief nurse at two medical centers. Through teaching, I have the opportunity to bring this experience in practice and leadership into the classroom. It is important for my students to have a real-world experience in their courses, to connect the theory and models discussed in the classroom to the challenges in practice that they are experiencing daily in their jobs.

It is a joy to teach students of different backgrounds, cultures, and learning styles from all parts of the United States and beyond. I value the diversity I see among my students. This diversity is one of Northeastern’s greatest strengths.

I am hopeful about the nurses and students whom I teach. They are strong advocates for patients and for the profession. They search for evidence and research to guide their practice and challenge traditional thinking. They are committed to being the very best in their clinical, teaching, research, and leadership roles. Wanting them to be successful is a strong motivation for me and I feel fortunate to be helping to educate and shape the next generation of nurses.
Staying Relevant

From clinical pharmacist to biotech industry expert to CEO and founder of a biotechnology company, Dr. Cristina Csimma, PharmD, MHP ’91, has always displayed an entrepreneurial spirit—one she defined for herself.

As the featured speaker at this year’s School of Pharmacy convocation ceremony, Csimma, PharmD, MHP ’91, emphasized the importance of innovation and of an education that is highly relevant to the challenges faced in the everyday world. “Entrepreneurship is a mindset,” says Csimma. “It’s not necessarily about starting your own business.”

Csimma has worked in advisory roles with biopharmaceutical and venture capital firms, was vice president of drug development at Virdante Pharmaceuticals, Inc., and has been a principal at Clarus Ventures, LLC. Two years ago, she started Cydan, a company whose mission is to accelerate and facilitate the development of drugs to treat rare diseases with large unmet medical need. Csimma was working as a clinical pharmacist at Dana Farber Cancer Institute in the late eighties when her growing interest in clinical research led her to Northeastern to pursue a master of health professions degree. She was impressed then by the practical nature of the education she received: “This graduate program was providing real experience that I could take directly back to work with me immediately,” recalls Csimma. “It was so relevant.”

Years later, Csimma was invited back to the university for an event sponsored by the Health Sciences Entrepreneurs (HSE), where she discovered an even greater focus on real-world experience, innovation, and scientific translation. “Bouvé had become so entrepreneurial, building on their traditional co-op and experiential learning programs at an even higher academic level to create real value in their education,” said Csimma, who joined HSE without hesitation and remains active in the group today. “There is a premium on real-life experience.”

“Entrepreneurship is a mindset. It’s not necessarily about starting your own business.”
A pediatric nurse practitioner and advanced practice nurse manager in the Division of Gastroenterology, Hepatology and Nutrition at the Children's Hospital of Philadelphia (CHOP) for more than 30 years, Peck has overseen a complete transformation of the division's nursing program. She started as the only nurse and now oversees a staff of 14 nurse practitioners and many outpatient RNs. She participates in the training of many more.

Peck delivered the keynote address at this year’s School of Nursing convocation and encouraged graduates to keep an open mind.

Like so many alumni, Peck chose Northeastern for its flagship co-op program. “I wanted to be a nurse, but my dad insisted that I get a traditional college education,” said Peck, whose mother was a nurse. “At Northeastern, I got both. I had clinical, hands-on experience in patient care when I graduated.”

Peck’s first two co-ops were as a ward clerk on the cardiology unit at New England Medical Center. She then took a nursing co-op on the same floor. A rotation in pediatrics was mandatory. “Being someone who doesn’t like change, I didn’t want to,” recalls Peck. “But once I did, I loved working with kids. They really need your help.”

After getting her MSN from the University of Virginia, Peck became a clinical nurse specialist/pediatric nurse practitioner at CHOP. She started many family support systems and patient groups and developed educational materials and professional symposia. Peck has held leadership positions in the Pediatric Gastroenterology and Nutrition Division at CHOP, the University of Pennsylvania School of Nursing, and in countless national societies, including the Crohn’s and Colitis Foundation of America and the American Liver Foundation. She was a founding member and president of the Association of Pediatric Gastroenterology and Nutrition Nurses. In 1998, Peck was inducted into the Nursing Hall of Fame at Northeastern.

Peck has changed the lives of many of her patients and their families with her compassionate care, advocacy, and teaching.

“The sky is the limit. Go with the change. It is extremely rewarding.”
In a hospital bed in Boston’s Back Bay, a patient goes into cardiac arrest. An interdisciplinary team of medical specialists approaches. Alarms ring, monitors go flatline, sensors display grim readings. The team responds. Succinct, accurate, and direct communication between members is all you can hear. There’s tension, but the response is like a ballet, not a frantic dash fueled by panic. Within minutes, the situation is reversed; the patient is stabilized and breathing again.

A voice from behind a two-way mirror directs the team to the debriefing suite. This emergency was a simulation, everything except the learning, a carefully scripted exercise in the Bouvé College of Health Sciences Arnold S. Goldstein Simulation Laboratories Suite. Using complex scenarios, faculty put students into situations that test skills and foster learning.

In each class, students react as if the patient on the bed is real because it acts just as a human patient would. Using state of the art technology, patients are actually high-fidelity simulators that bleed, breathe, and respond to stimuli.

The Goldstein Simulation Laboratories and all the tools within it are being used to teach a generation of students across multiple disciplines using an Interprofessional Education (IPE) approach. According to the World Health Organization, IPE occurs when learners from two or more professions learn about, from, and with each other to improve collaboration and health outcomes.

IPE is the goal. The Goldstein Simulation Laboratories is the setting. Arnold and Marlene Goldstein made the laboratory at Bouvé a reality.

Arnold S. Goldstein P ’61, PhD ’90, believed in learning by doing. Hands-on experience, he felt, was the best way to learn a skill and to perfect a craft. Though he passed away in 2010, Goldstein’s tenure as professor of pharmacy and acting dean of the Northeastern University College of Pharmacy and Allied Health Professions helped cement his dream and determination to further advance the experiential education model at Northeastern.

“Arnold was a great humanitarian. One of his greatest aspirations was to have the opportunity in his lifetime to better people’s lives, and with this Simulation Suite we are making a difference in the way students learn and teachers teach.”

MARLENE GOLDSTEIN
“Arnold was a great humanitarian,” said Marlene Goldstein. “One of his greatest aspirations was to have the opportunity in his lifetime to better people’s lives, and with this Simulation Suite we are making a difference in the way students learn and teachers teach.”

Marlene Goldstein generously donated $2 million to establish the Goldstein Simulation Laboratories Suite in her husband’s name to make it possible to replicate clinical conditions in an IPE setting at Bouvé College of Health Sciences. The dedication, held in fall 2013, included two of Arnold's daughters, Valerie Goldstein, L’98, and Heidi Goldstein Swenson, AMD ‘94, and their families. Arnold's daughter, Meredith Goldstein, AMD ’90, sent best wishes and stories of her father that were read at the dedication ceremony.

The Goldstein family, faculty, and friends of Bouvé, including Bouvé benefactor, George Behrakis, P ’57, H ’98, attended the ceremony that showcased the simulators and the teams of students in a collaborative and hands-on learning setting. Students are now being trained in techniques designed to ensure patient safety, improve outcomes, and prevent medical errors. The Goldstein Simulation Laboratories have already had a measurable impact on the lives of patients and students.

As a student, Alexandra Mullaney, Nursing ’16, has seen how experiences in the Goldstein Simulation Laboratories enable practitioners to help patients. During a co-op assignment at Boston Children’s Hospital, Mullaney used newfound skills as she cared for patients. Mullaney said, “Simulation is beneficial to us as students and is completely different from in-class learning since it challenges us to quickly gather information and respond effectively.”

Building confidence, Mullaney became comfortable assessing patients and responding to a variety of situations in the field. From administering medications to checking vital signs, the Goldstein Simulation Laboratories made all the difference in her experience at Boston Children’s Hospital. That preparedness came from working with the hi-fidelity patient simulators.

“At Boston Children’s, my care doesn't just involve interacting with the child, but with the family as well,” said Mullaney. “In the lab there is always someone that will act as the family member of the patient, and therefore we are able to learn how to communicate with both the patient and family members. Simulation has helped me transition from a student in the classroom to the role of a nurse.”

A whole class of students has been fortunate enough to participate in healthcare scenarios. Their learning informs their actions in the field and directly affects patients’ well-being.

Sana Mandal is a fifth-year pharmacy student who participated in the Oral Health Project in the Goldstein Simulation Laboratories. In the student pilot continued on page 10

Funding the Future of Simulation in Education

As you read this issue, you will get a real sense of the dynamic learning environment that we constantly strive to create here at Bouvé. Consider the Arnold S. Goldstein Simulation Laboratories Suite (story adjacent) that opened in September of last year. Because of Marlene Goldstein’s generosity, our students are now learning how to respond to real-life clinical situations in a supportive and safe educational environment. This crucial tool encourages exploration, builds confidence, and offers important, real-time lessons—all without placing actual patients at risk. The continued education of faculty in simulation-learning and the facilities ongoing maintenance is an essential component of this state-of-the-art facility.

Most recently Diane H. Lupean, BB ’65, MBA ’81, created the Diane H. Lupean Instructional Technology Fund to support the Simulation Laboratories with maintenance of technology and acquisition of important educational materials for the suite. Additionally Bouvé alumnus, Carl Gustafson, PT ’87, Herbert, P ’55 and Marylou Gray have added their support to help fund these important activities.

Carl Gustafson, PT ’87, owner of Sports & Physical Therapy Associates, remarked, “It is great to support such an excellent educational institution—even more so since it was responsible for my personal and professional success.”

To find out more about supporting the Goldstein Simulation Laboratories or other Bouvé initiatives, please contact Kathleen Cotter, associate dean and director of development at k.cotter@neu.edu, 617-373-2637.
program, she gained a valuable perspective on healthcare settings as they exist outside the laboratory. “The Goldstein Simulation Laboratories prepares students for real-life settings in the healthcare workplace,” said Mandal. “The rooms are set up exactly like a hospital. All the equipment works and is in the same place as it would be in a hospital setting. It’s true to life.”

She said the Goldstein Laboratories are a great way to assess student skills before setting them loose. Further, the value gained by interacting with other professionals on an interdisciplinary team is something that can’t be measured.

Jamie Musler LPD, ATC, director, Interprofessional Simulation, likens the simulations performed in the Goldstein Simulation Laboratories to running a play. The roles are determined; the critical factors are identified; the curtain goes up; and the students take center stage. The human simulators make it very real, very fast. Before anything occurs, each ‘patient’ gets a biography, health history, and a chart for the team of students to study.

“The entire team is learning at once,” said Musler. “That’s valuable from a teaching and learning perspective and it’s only possible because we have this suite and this amazing technology at our disposal.”

Sometimes overlooked in the learning process is the post-event evaluation. The Goldstein Simulation Laboratories features two debriefing rooms where students and faculty can play back a video of the scenario and discuss how the team worked together to reach an outcome.

It’s not just Bouvé students who are benefiting. Through a grant from the DentaQuest Foundation, Bouvé students and faculty are teaming up with dental students and faculty from Harvard School of Dental Medicine, The Forsyth Institute, Boston University Henry M. Goldman School of Dental Medicine, and Tufts University School of Dental Medicine. Students across academic institutions are learning in an interprofessional way how to work effectively in teams to improve oral and systemic health. The Innovations in Interprofessional Oral Health Care: Technology, Instruction, Practice, and Service (TIPS) Program helps prepare students from all health professions to enter their practices equipped to address the oral health needs of patients and communities.

As Maria C. Dolce, PhD, RN, CNE, NEA-BC, FACHE, professor in the School of Nursing and executive director for the TIPS Program knows, this signature program is creating a new generation of health professionals with the skills to provide patient-and family-centered care in team-based delivery models.

“The Simulation Laboratories make it possible for students and clinicians from different health professions to learn about, from, and with each other toward a shared goal for improving health,” said Dolce. “The Simulation Laboratories provide students with an experiential learning environment to safely develop their interprofessional knowledge, skills, and values for effective collaborative practice.”

The Goldstein Simulation Laboratories, the patient simulators (at $100,000 each), and running these beneficial programs all require support. Marlene and Arnold S. Goldstein have provided funding to create the lab. Now, Bouvé College of Health Sciences is looking for additional donors who understand and support the learning that’s taking place here every day and can help further develop the program.

Orbis Education, Bouvé’s partner in providing online healthcare education programs, has invested $500,000 in additional funding to support the Goldstein Simulation Laboratories.

To learn about opportunities to support the Goldstein Laboratories Suite, contact Kathleen Cotter at k.cotter@neu.edu. To learn more about TIPS and the Oral Health Innovations, visit www.northeastern.edu/oralhealth/.
Experience Is Key
First-Ever International PT Co-op Takes Constance de Monts, Candidate, DPT ’16, Abroad

Constance de Monts of Los Altos, CA, candidate for a DPT in 2016, made the decision to attend Northeastern University “the minute I set foot on campus and got to meet future peers and professors.”

Right away, de Monts was inspired by the maturity and confidence she witnessed in the physical therapy students, something she attributed to their already being immersed in working toward a career they knew they would enjoy. “The Bouvé students I met were exactly how I envisioned myself in a few years.”

The experiential model of education was an ideal fit for her. “I saw the difference between students at Northeastern who already had a foot in the ‘real world’ because of the co-op experience and students from other universities who had not had the opportunity to work for six months in a professional setting,” recalls de Monts.

Similarly, de Monts values the relevance of her time in the classroom with professors who draw upon their own work experience and invite co-workers and content experts into class. “In my developmental psychology class, the professor brought in a leading researcher and professor of prosthetics to give the lecture.”

She states that her first co-op at Brigham and Women’s Hospital in Boston “solidified my career choice as a physical therapist.” Currently, de Monts is on her second co-op at the Clinic Bois-Cerf in Lausanne, Switzerland, which she describes as “incredible!”

“This co-op has allowed me to mature much more quickly. It really has improved my skills as a physical therapist.”

“It had always been a goal of mine to work in Europe. Being able to accomplish that goal on a co-op in Switzerland in an amazing clinic went above and beyond what I had envisioned for myself. Physical therapy students in Switzerland are released much earlier with patients to assist in or to administer treatments on their own. This forces them to access all the theoretical knowledge they have acquired during their education and to apply it in practice. This co-op has allowed me to mature much more quickly,” said de Monts. “It really has improved my skills as a physical therapist.”
Seismic shifts are redefining the healthcare landscape, creating challenges and opportunities—in equal and immense proportions. Dean Terry Fulmer, PhD, RN, FAAN, is embracing both with her characteristic energy, collaborative approach, and out-of-the-box thinking. The beneficiaries? Bouvé students, faculty, alumni, entrepreneurs, industry, government, healthcare policymakers, local and global communities, and the entire paradigm of healthcare education.
Describe the changing landscape and how Bouvé is positioned to play a critical role?
This is an extraordinary time in the healthcare industry. As professionals and educators, we are being called upon to chart a course that will address the challenges and seize unique opportunities. We need to create a better, more innovative, and effective way of delivering healthcare education, and thereby healthcare, to all populations.

We are in a unique position because what is most needed to address this challenge is what has been the ‘magic’ of Northeastern all along: flagship experiential learning models, close collaborations with renowned hospitals, pioneering work in interprofessional research and curriculum design, an entrepreneurial mindset that has fueled innovation, a commitment to community, and perhaps most important, an agility to adjust quickly to change. All of these elements combine to make us uniquely positioned to educate the next generation of healthcare leaders.

What impact has the Affordable Care Act had?
The Affordable Care Act (ACA) has and will continue to have enormous impact on the way we teach healthcare providers and the way we deliver healthcare. Dr. Mitchell Rabkin, Distinguished Institute Scholar at the Shapiro Institute at Harvard Medical School, joined us recently to mark the retirement of Associate Dean, Suzanne Greenberg, founder of the Physician Assistant Program. He stressed how important it is to aggressively anticipate the needs of primary care as we shift into an ACA environment. Physician assistants (PAs), nurse practitioners (NPs), and pharmacists are working in ways previously unimaginable. PAs and NPs are responsible for millions of primary care visits annually. Pharmacists are expected to address immunization needs, public health issues, and point-of-care services in their day-to-day work. Dr. Rabkin discussed how every manager, leader, and clinical care provider needs to ask questions, listen, and learn. We take that to heart and make sure we provide the highest quality education for the future workforce.

Another impact of the ACA is how it has accelerated advances in the use of technology and the mandate for interprofessional healthcare. Now more than ever, healthcare innovation is essential. Bouvé students and alumni are actively involved in this evolving landscape. Some are experimenting with new “apps” and avatar techniques to improve patient communication. Others are educating patients on how to enroll in insurance exchanges. Some are looking at ways to repurpose drugs for new uses. Wherever members of the Bouvé community engage, on campus and beyond, their co-op experience puts them at the forefront.

After a year of hosting influential leaders and decision makers in all areas of the industry, Dean Fulmer sat down with Vital Signs to share her vision of the role Bouvé College plays as one of the key architects of this new era of healthcare delivery and education.
What are some examples of interprofessional work taking place at Bouvé and what are your immediate goals in this area?

The Arnold S. Goldstein Simulation Laboratories Suite, dedicated last fall (see cover story), is certainly the newest and most visible example. Simulation in health education is an essential teaching tool, mimicking real-life clinical situations and affording students a supportive and safe learning environment—without placing actual patients at risk for harm. We consider simulation-learning a key component of experiential education and the hallmark of interprofessional education and collaborative practice. Simulations are uniquely designed to engage students from eight different health professions, allowing them to learn about, from, and with each other to improve health outcomes.

Our goal is to advance interprofessional research and curricular innovation in our four areas of excellence: drug discovery, delivery and diagnostics; urban population health; self-care/self-management; and healthy aging. Bouvé faculty members continue to make important advances in these areas and our students benefit through the curricula, co-ops, and research opportunities. These areas are vital to the future of the health and well-being of society. The pace at which changes take place in demographics, the workforce, therapeutics, employment opportunities, and approaches to care delivery is accelerating. We will not only be ready for these changes, we will be leading them.

“You’ve hosted many prominent leaders in the industry since joining Bouvé. How does this benefit students, faculty?”

People on the forefront of changes in healthcare inspire us with their expertise and vision. They help us stay abreast of emerging trends and of what we must do today to be ready for tomorrow. Access to and interaction with these influential industry leaders have an enormous impact on our faculty and their teaching and research, and on our students’ learning experience.

Who are some of the influential industry leaders you have hosted, and what impact has their visit had?

Peter Barrett, PhD ’79, partner at Atlas Ventures and speaker at the Health Sciences Entrepreneurs (HSE) Program, advised emerging entrepreneurs to conduct due diligence long before mapping out their business plans. Dr. Barrett’s presentation reinforced the concept of our interprofessional education, understanding entrepreneurship and all the disciplines needed to launch a successful business—which for students and faculty means exploring business opportunities within their fields.

Afaf Meleis, PhD, DrPS(hon), FAAN, FRCN, professor of Nursing and Sociology and the Margaret Bond Simon Dean of Nursing at the University of Pennsylvania School of Nursing, was honored at the Nursing School’s 50th Anniversary last fall. Her demonstrated leadership in international healthcare speaks directly to our global strategy, through which we collaborate with thousands of employers from multi-nationals and selected educational partners to tailor and align educational experiences and degrees for a global network. Our success is based on our world leadership in experiential learning, powered by inspired research. Our faculty and students engage in projects across the globe. Dr. Meleis’ extraordinary work guides us as we support the international endeavors of our students and faculty and helps us bring the knowledge created in our areas of excellence here on campus to locations around the world.

continued on page 16
How is Bouvé staying on the cutting edge of technology and its transformative impact on healthcare delivery and education?

Technology impacts everything we do. We need to be knowledgeable about the most current and effective technology so our students are prepared for the real world when they graduate, which is why we reach beyond the boundaries of campus to invite some of the most influential thinkers and innovators in this area to share their knowledge.

For example, Dr. David Blumenthal, MPP, president of the Commonwealth Fund—a private foundation dedicated to promoting a high performing healthcare system—recently gave an inspirational talk. A leader in healthcare information technology who served as national coordinator for Health Information Technology, he advised us to aggressively stay ahead of the trends in electronic medical records to ensure better communication for better patient care outcomes.

Technology is making people live longer and healthier. How is Bouvé addressing the needs of this aging population?

Healthy aging is one of our four areas of excellence. Bouvé is partnering with Northeastern’s Colleges of Computer and Information Science, Engineering, and Science to advance creative strategies using IT for improved quality and safety in the patient-care experience. New faculty members, Dr. Holly Jimison and Dr. Misha Pavel, who both hold joint appointments in Bouvé and the College of Computer & Information Science, work on “smart home” sensors to improve the safety of older adults in their homes. Exposure to the very latest technological advances ensures our students graduate with a level of IT literacy that will make them highly proficient in any clinical arena.

Bradley Waugh, formerly of Tunstall Americas, was a guest speaker at a Health Sciences Entrepreneurs (HSE) event and spoke about telemedicine as the future of healthcare. As we look for creative ways that telehealth can advance the experience of healthcare in both rural and highly dense urban settings, the use of technology to monitor markers of health including blood glucose, blood pressure, oxygen levels, and other biometrics is extremely promising. Just imagine, you can be sitting at home reading a book and know that if your blood sugar is shifting in a dangerous way, a telehealth alert would let your primary care provider know and provide instructions about what actions you should take. This is only the beginning.

Tell us about what Bouvé is working on in the area of community programs, collaborations with non-profits and government agencies?

We are extremely fortunate to have world-class urban health policy leaders like John Auerbach, MBA, director of the Institute on Urban Health Research and Practice, former commissioner for health for the Commonwealth of Massachusetts, and major architect for universal coverage (commonly known as Romneycare). He is passionate about the urban health experience and how community-based programs can more readily address the problems of individuals in these settings. He and other faculty such as Jean McGuire, PhD, clinical professor of Health Sciences, and Alice Bonner, PhD, RN, associate professor of Nursing, are well-connected to key policymakers and community groups. Further, long-time Boston community member Professor Elmer Freeman, MSW, leads our Center for Community Health Education Research and Service (CCHERS), which helps ensure that we are listening to people in the communities and responding to their needs with our research, education, and delivery of care.

What are you most optimistic about for the future of Bouvé College?

I am continuously awed by the depth and quality of the expertise I see every day in all areas of the college. Our faculty members are impacting the world and guiding our students to be excellent providers and leaders. The co-op program is undeniably brilliant. There is simply nothing that compares with true hands-on learning. Between that and the interprofessional and interdisciplinary education we have, I see no limit to the successes Bouvé College can achieve.
In 1918, Marguerite Sanderson organized World War I emergency courses in physical therapy for reconstruction aides in the army hospitals. These “war courses” trained women, at the time referred to as “medical therapists.” This curriculum would form the foundation of what was then known as physiotherapy. Sanderson also worked with Mary MacMillan, founder of the American Physical Therapy Association, to train reconstruction aides at Walter Reed Medical Center in Maryland.

The year 2014 marked another milestone with the launching of a new Master of Occupational Ergonomics and Worker Health and a Certificate of Advanced Study in Orthopedic Physical Therapy. These new course offerings are also reminiscent of the department’s historical roots, as the original Bouvé programs were designed to educate teachers on the scientific basis of human movement.

Since her arrival in 2009, Department Chair Maura Iversen, PT, DPT, SD, MPH, FNAP, has increased faculty by 55 percent which led to the launching of seven new research laboratories, from occupational safety and ergonomics to a new cancer survivorship center, a dance movement lab, and a robotic lab. In response to its growing offerings and expanding research agenda, the Department of Physical Therapy received approval in fall 2013 to formally change its name to the Department of Physical Therapy, Movement and Rehabilitation Sciences.

Coupled with this new faculty expertise and increased resources is a stronger emphasis on clinical and research opportunities designed to enhance the student experience.

In June, the Commission on Accreditation in Physical Therapy Education (CAPTE) came to campus for the Doctor of Physical Therapy (DPT) Program ten-year accreditation site visit. Boasting a 96 percent first-time board pass rate; a 100 percent graduate employment rate; multiple global experiential learning opportunities (including service learning in Costa Rica and Ecuador, a Physical Therapy Student Exchange Program with a university in Switzerland, and a Global Dialogue of Civilizations Program with South Africa); as well as high student and employer satisfaction scores; the DPT received full accreditation for another ten years.

The Bouvé College Physical Therapy Program is one of the oldest in the country, founded in 1913 as part of the Bouvé School of Physical Education (BSPE). In 1915: First graduates of Boston School of Physical Education.

Please save the date for our Centennial Celebration: 100 years of Physical Therapy Education, planned for November 7, 2015 in Boston. For further details, contact Julie Norton at j.norton@neu.edu.

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The Gift of Voice

Rupal Patel's groundbreaking technology allows the speech-impaired to find their own true voices.

Dr. Rupal Patel is generating a lot of talk these days. She is looking to launch a company called VocaliD (for vocal identity) that builds on research funded by the National Science Foundation. The VocaliD software can create unique synthetic voices for the nearly 2.5 million Americans who use assistive communication devices.

Thanks to the vision of Patel and other industry leaders, synthetic voice technology already exists to enable the speech-impaired to communicate by typing words into their computers or smartphones. But, there are only a few generic computerized voices available. VocaliD promises to take that one important step further by incorporating the person’s residual voice characteristics.

“The ability to express our ideas and needs in our own voice is something most of us take for granted.”

According to Patel, an associate professor of speech language pathology and of computer and information sciences, every individual has a unique voice that is produced from the combination of sound generated by the larynx or voice box and the rest of the vocal tract, which is referred to as the “filter.” The filter actually forms the sounds of the vowels and consonants used in speech. In her research, Patel noted that speech-impaired people retain the uniquely individual qualities of sound generated by their voice boxes though unable to translate those sounds into speech by their impaired vocal tracts or filters. She had the idea of synthesizing the sounds from an impaired individual’s voice box with the sounds of an unimpaired person’s filter of the same age and gender to create a unique, individual voice.

Patel, who founded and directs the Communication Analysis and Design Laboratory (CadLab) at Northeastern, teamed up with Dr. Bunnell, an expert in speech synthesis who directs the Center for Pediatric Auditory and Speech Sciences (CPASS) at the Alfred I. duPont Hospital for Children in Wilmington, DE for this project. Recently, Patel met with the Health Sciences Entrepreneurs at Bouvé and now has a team of mentors assisting her with developing a business plan, identifying markets, and getting funding to help launch VocaliD.

“I am excited to take this work out of the laboratory so it can scale and have real-world impact. VocaliD is a social venture aimed at empowering end users with a personalized voice that can only be created using voice donations from healthy surrogate talkers—thus it connects people and enhances communication.”

Patel shared her research and ideas at a recent meeting of Technology, Entertainment, Design (TED)—a set of conferences sponsored by the nonprofit Sapling Foundation designed to provide a platform for innovative ideas. At the conference, she described the reaction of a nine-year boy named William for whom she created a one-of-a-kind synthetic voice: “I’ve never heard me before.” Samantha, a teenager for whom Dr. Patel has been developing a voice, used to be embarrassed to use her computerized, synthetic voice in public. Now, Samantha’s mom says that for the first time she can actually hear some of Samantha’s real voice in her new synthetic voice, which sounds like a teenaged girl.

Media outlets, potential funders, and most importantly, patients are taking notice. Patel has been featured in many news articles and programs. She was recently awarded a Tier 3 level grant of up to $150,000—the highest level grant awarded—from the office of the provost’s Campus-wide Research Initiatives Program to establish the Northeastern University Center for Speech Science and Technology to further the university’s investment in basic and applied interdisciplinary research and innovation.

To learn more about VocaliD, visit www.vocalid.org.
What’s New?

Kathleen Cotter, New Associate Dean & Director for Development

Kathleen Cotter brings 20 years of fundraising experience to Northeastern, having held several senior level positions at Beth Israel Deaconess Medical Center, Brigham and Women's Hospital, and St. Mark's School in Southborough, MA. Kathy is talking with alumni and friends about the EMPOWER campaign and the rich array of research and educational endeavors at Bouvé. She looks forward to hearing from you and can be reached at k.cotter@neu.edu or 617-373-2637.

Professor Richard C. Deth to Retire

After more than 37 years, Professor Richard Deth will retire from Northeastern University in July, 2014 and join the faculty of Florida Atlantic University, where he will continue his groundbreaking research into the causes and possible treatments for a variety of neuropsychiatric conditions.

During his distinguished academic career at Northeastern, Deth served as the director of the Pharmacy Program and the chairman of the Department of Pharmaceutical Sciences before deciding to focus solely on his research interests. Although he started his career as a cardiovascular researcher, he soon realized that his research had implications in various other fields, including neuropsychiatric disorders.

Author of the book, Molecular Origins of Human Attention: The Dopamine-Folate Connection, Deth’s laboratory was the first to characterize dopamine D4 receptor-mediated phospholipid methylation and its potential role in neuronal synchronization, especially in attention-related disorders. Realizing the implications of his findings for disorders such as autism, ADHD, schizophrenia, and Alzheimer’s disease, Deth said: “One doesn’t get the chance to make truly novel discoveries very often. Most scientific advances are incremental, modestly advancing the field of knowledge. But I felt strongly that our discovery of D4 receptor-mediated phospholipid methylation was important.”

Deth’s current work is focused on the developmental impact of nutritional factors, such as vitamin B12 and milk, or wheat-derived opiate peptides, on antioxidant status and gene expression.

Former PhD student and protégé Nate Hodgson describes him as brilliant and compassionate: “His scientific knowledge and ability to connect that knowledge to our own research is unparalleled. I hope one day I can think so broadly with such detail. I know that as he leaves here he will be missed by many, but I am sure he will continue to impact the lives of students as he moves on to Florida Atlantic University.”

A celebration in Deth’s honor will be held on Friday, May 16th. Please see calendar on page 23 for more details.

A fund has been established to honor Richard Deth’s many years of service. If you wish to add your contribution to the Pharmaceutical Sciences Graduate Program Fund, please contact Jennifer Trapp at 617.373.8831 or j.trapp@neu.edu for assistance.

Interprofessional Geriatric Fellows Selected

Five faculty members have been selected as 2013/2014 Bouvé Interprofessional Geriatric Faculty Fellows: Todd Kates, Counseling and Applied Educational Psychology; Diane Fitzpatrick, Physical Therapy; Carla Bouwmeester, School of Pharmacy; Sue Jo Roberts, School of Nursing; and Susan Gordon, director of Nursing, Spaulding Nursing and Therapy Center.

Five faculty members have been selected as 2013/2014 Bouvé Interprofessional Geriatric Faculty Fellows: Todd Kates, Counseling and Applied Educational Psychology; Diane Fitzpatrick, Physical Therapy; Carla Bouwmeester, School of Pharmacy; Sue Jo Roberts, School of Nursing; and Susan Gordon, director of Nursing, Spaulding Nursing and Therapy Center participated in this unique professional development opportunity.

The Interprofessional Geriatric Education Fellowship, known as Interprofessional Geriatric Education for Team Based Care, is funded by a Health Resources and Services Administration (HRSA) grant. Fellows receive advanced education at the Geriatric Center of Excellence at Boston University School of Medicine on resources, tools, and
strategies to help them prepare their students to provide quality care to older adults.

The population of older adults in the United States is projected to continue to increase from 35 million in 2000 to an estimated 55 million by 2020. The Institute of Medicine report, Retooling for an Aging America, has identified an urgent need to address the gap in geriatric care. The program will enable Bouvé to prepare its interprofessional faculty and students with essential knowledge and skills to meet the special healthcare needs of these older adults.

For further information, contact Deborah D’Avolio, PhD, ACNP, ANP, project director, d.davolio@neu.edu or Jenny Rickles, project coordinator, j.rickles@neu.edu.

Dr. Robin Reed New Head of Physician Assistant Program

After an extensive national search, Robin Reed, MD, was selected as director of the Physician Assistant (PA) Program in January. Reed, who has served as interim program director since early 2013, has vast experience in the areas of public and community health. She has held leadership positions at Shattuck Hospital, served as medical director at two state prison facilities, and most recently, was a primary care provider at the renowned Dimock Community Health Center. Reed’s interests include physician assistant education, geriatrics, complementary and alternative medicine, healthcare literacy, and family health. She has been teaching in the Northeastern Physician Assistant Program for 25 years and was appointed its medical director in 2006. She is leading the faculty in several initiatives including online curriculum development, interdisciplinary education between the Physician Assistant Program, Nursing, and Pharmacy, and expansion of the program to help address the national workforce shortage in primary care. The search committee was chaired by Dr. Rob Baginski, medical director of the PA Program.

Professor Jean Flatley McGuire Shares Public Policy Expertise

People with lifelong disabilities disproportionately experience poorer healthcare access and outcomes. They also pose higher costs to the healthcare system, in part because their needs are inadequately addressed. “Dual eligibles,” a term that describes the nearly 10 million Americans who are both Medicaid and Medicare beneficiaries, make up an important cohort of this population. While accounting for less than 20 percent each of the Medicare and Medicaid populations, they account for approximately 31 percent and 40 percent, respectively, of those programs’ annual expenditures.

The Affordable Healthcare Act (ACA) has created a new federal office and regulations to better and more efficiently serve these individuals with specialized programs to accommodate their healthcare needs. This strategy has a special focus on the importance of interprofessional and cross-sector collaboration and service delivery.

While assistant secretary at the state’s Executive Office of Health and Human Services, Professor of Practice Jean Flatley McGuire, PhD, played a significant role in helping Massachusetts launch the first, multi-year Center for Medicare and Medicaid Services (CMS) “dual eligible” demonstration, which began last October. Through a collaborative technical assistance contract between Northeastern and Commonwealth Care Alliance (CCA), McGuire has been working with CCA for the past two years to shape the care delivery strategies and data analytics for what has already become the largest of the new Integrated Care Organizations in the state. “We are part of an evolving experiment which is already testing the limits of current clinical practice and payment mechanisms,” noted McGuire. “But, here and nationally, there is considerable optimism because of an unusual level of transparency and expected collaboration between consumers, state and federal governmental entities, the health and human service sectors, and the new integrated plans.”

These developments are creating opportunities for undergraduate and graduate students in our Health Sciences, Master of Public Health, and the new Population Health PhD Programs. They have been involved in provider network development, outreach and enrollment, care management, and oral health projects. The benefits are widespread.

Suzanne Greenberg Retires

Last December, Bouvé College celebrated the retirement of Associate Dean for Graduate Education, Suzanne Greenberg with a colloquium in her honor that drew more than 100 alumni, friends, and family. Dr. Mitchell Rabkin, Distinguished Institute Scholar at the Shapiro Institute at Harvard Medical School, spoke on the role of physician assistants and the Affordable Health Care Act. Greenberg established the Northeastern University Physician Assistant Program—one of the first of its kind in the country—in 1971 and served as its director until 2006, when she became the associate dean for Graduate Education in the college.

Trained as a social worker, Greenberg arrived at Northeastern with a grant from the Office of Economic Opportunity (OEO) to educate former military medics for what was then a new civilian medical career. In 1985, the PA Program became the first primary care program in the United States to award a master’s degree.

Former students continue to sing Greenberg’s praises. Charity Hirsch, PA ’77, remembers Greenberg’s efforts in getting PAs credentialled in California, which allowed her to work in her home state. Shawn Pinto, PA ’91, recalls that Greenberg’s personal interest in and interaction with each student shaped who he is as a person and a clinician today.
Gifts in Action

Gifts and support from all members of the Bouvé College community enable us to provide scholarships, enhance faculty teaching, expand research, and offer experiential learning opportunities. Below are just a few of the recent gifts to Bouvé that are already having an impact.

The Jon Shevell Memorial Student Research Fund

The Jon Shevell Memorial Student Research Fund was recently established in consultation with Merissa L. Cohen, BA, AMD ’10 and the Shevell/Cohen families. This endowed fund was made possible by a grant to the Bouvé College of Health Sciences from a donor-advised fund at The Boston Foundation and was made in memory of Merissa’s uncle, Jon Shevell, who passed away in 2008 at the age of 50. A native of New Jersey who lived in New York City for 25 years, Jon was deeply committed to many causes within the community and asked that part of his estate be devoted to cancer research. He understood the importance of using his own success to help others discover their passions, become successful students, and potentially discover scientific breakthroughs to benefit future generations.

The interest generated from this endowed fund will be awarded annually to a worthy undergraduate or graduate student working in cancer research either at Northeastern or at one of our partner institutions, such as the Dana-Farber Cancer Institute in Boston or the Fred Hutchinson Cancer Research Center in Seattle.

Kathy Foley Scholarship

For more than 30 years, Kathy Foley worked as an administrator in the dean’s office of the School of Pharmacy. She was a great help to students and staff and was truly loved by all. The Kathleen T. Foley Endowed Scholarship in Pharmacy was established in 1991 with initial gifts from alumni, faculty, and staff in appreciation of Kathy’s service to the school. In 2013, Kathy passed away and provided a substantial gift from her estate to continue this wonderful scholarship. The scholarship is awarded each year to a pharmacy or health sciences student of strong character and academic performance. This year, the scholarship was awarded to Lucianne West, BS Pharmacy ’14, at the annual School of Pharmacy Scholarships and Awards Convocation held in March.

Albert B. Young Endowed Scholarship Fund

Many years ago on one of his special birthdays, Albert Young announced to his friends and family that he had everything he needed. Life had been good to him, but there were others in need. Instead of accepting birthday gifts, he and his late wife, Carrol Young, created the Albert B. Young Endowed Scholarship Fund—which provides an annual award for a promising pharmacy student in financial need—and encouraged their family and friends to contribute. This year, Young issued another challenge to increase the amount of the scholarship by $1,000. Within weeks, son Robert,
and other family and friends, had contributed more than $15,000 toward the enhancement of the fund. At this year’s Pharmacy Scholarships and Awards Convocation, Young’s grandson, Ari Young—who hopes to become a Northeastern University student himself—presented the award to Sandra Elman, BS ’13, PharmD ’14, a student in the Pharmacy Practice Program.

Empower: The Campus Campaign
The Empower Campaign is a $1 billion university-wide fundraising effort that encourages participation from alumni, parents, students, faculty, staff, and friends of Northeastern. Dean of Pharmacy John “Jack” Reynolds serves as Bouvé College’s faculty ambassador. Gifts from Bouvé faculty and staff significantly impact the college and society by enhancing students’ education and career options, advancing critical healthcare research, and enriching campus life. “When faculty and staff stand behind the university, it sends a powerful message to others,” said Reynolds. “Their support signals confidence in Northeastern and its future. It inspires greater philanthropy from other individuals, corporations, foundations, and government agencies, and raises the overall value of a Northeastern degree.” The goal for Bouvé faculty and staff is 100 percent participation. Gifts of any amount may be made to any program or initiative that faculty and staff care deeply about.

Westnet’s Gordon Thompson Donates Critical Medical Supplies
Westnet President and CEO Gordon Thompson, DMSB ’80, MBA ’84, also a member of the Northeastern University Corporation, has made a generous gift-in-kind to benefit students and faculty at Northeastern. The medical supply distribution company has donated surgical, medical, and laboratory supplies to the Bouvé College of Health Sciences and College of Science. Many of the supplies will stock the Goldstein Simulation Laboratories Suite, but an additional 270 stethoscopes will be used to enhance teaching in the departments of biology, chemistry, psychology, and at the Marine Science Center in Nahant, MA.

UPCOMING EVENTS

Richard Deth Celebration & PharmSci Research Showcase
FRIDAY, MAY 16, 1:40 - 2:40 P.M. PHARMSCI KEYNOTE FOLLOWED BY RECEPTION FOR DR. DETH 3 P.M. - 5 P.M.
PharmSci Research Keynote Address by Dr. Li-Huei Tsai, professor and director, Picower Institute for Learning and Memory, Department of Brain and Cognitive Sciences, MIT, followed by Dr. Richard Deth’s Celebration and Reception, Raytheon Amphitheater, Egan Center, Boston Campus. Please RSVP to r.robinson@neu.edu or 617.373.3224.

Physician Assistant Alumni Reunion at AAPA
SATURDAY, MAY 24, 2014, 5:30 - 7:30 P.M.
The American Academy of Physician Assistants (AAPA) annual convention will be held in Boston this year and the Bouvé Physician Assistant Program is hosting a “hometown” reunion. Join other PA graduates at the Sauciety Grill, Westin Waterfront Hotel, Boston, MA. For more information and to RSVP, contact Carol Goldberg at 617-373-3195 or c.goldberg@neu.edu.

NU@NOON
WEDNESDAY, JUNE 4, 12 P.M.
“Healthy Aging,” with Dean Terry Fulmer, PhD, RN, FAAN
Join the NU@Noon Program for a luncheon and discussion with Dean Fulmer. Northeastern University Alumni Center, Boston Campus, 716 Columbus Avenue, 6th fl. To find out more about the program, email j.norton@neu.edu or visit alumni.neu.edu.
2. Gerald Steiner, P ’52, with scholarship recipients Elizabeth Akselrod, P ’14, and Michelle Macchione, P ’15, at Pharmacy Awards Convocation.
4. Alumni Award winner Sharon Gale, ADN ’69, BSN ’81, and Carole Kenner at School of Nursing 50th Celebration in November.
5. Alumni and friends celebrate at Suzanne Greenberg’s retirement event.
6. Nathan Shapiro-Shellaberry, BSN ’11, Martha Lefferts, BSN ’11 at School of Nursing 50th Celebration.
7. Nursing graduates congratulate Jane Aroian, RN, MSN, EdD ’86, Faculty Award recipient, at School of Nursing 50th Celebration.
8. Bouvé students demonstrate the use of Simulation at the Empower Campaign Kickoff event in November.
10. Marlene Goldstein hosted alumni and friends at a luncheon on “The Future of Healthcare” with Dean Terry Fulmer in Boca Raton, FL.

Table of Contents Image: Nursing Hall of Famers and Nursing 50th Ambassadors celebrate together as the School of Nursing turned 50 last November.
Maureen Burke, BSN ’76
Ensuring Nursing Education

Maureen Burke, BSN ’76, credits an unconventional nursing degree program at Northeastern University with instilling in her a penchant for creative thinking.

Burke began her career in the emergency room at Connecticut’s Hartford Hospital, moving to Boston in 1973. While working in the surgical intensive care unit at Massachusetts General Hospital, she decided to complete her bachelor’s degree and enrolled in Northeastern’s new Nursing Interim Program. “The program enabled diploma graduates, like me, to earn BSN degrees,” explains Burke. “Most nursing colleges weren’t awarding credit to professionals for past academic and clinical achievements, or the option of credit by examination—so Northeastern was unique.”

After completing her BSN, Burke became the surgical clinician at Hartford Hospital, and later assistant head nurse. She then earned her Master of Public Administration from the University of Hartford and switched careers, joining Aetna Insurance Company as a medical underwriter while continuing to work evenings at the hospital.

Grateful for her Northeastern education, Burke established an endowed scholarship and has included the university in her will. Creating the Maureen E. Burke Scholarship Fund, her gift will support not only future nursing students, but also innumerable patients who will benefit from the care those students will one day provide. “Northeastern has an outstanding program and the nursing graduates have a tremendous advantage because of the clinical experience as well as co-op work experience,” explains Burke.

Legacy gifts have an enduring effect on the Bouvé College of Health Sciences. This inspired philanthropic support secures the college’s future by providing much-needed financial aid to deserving students, recruiting and retaining renowned faculty and scholars, and advancing cutting-edge research. Additionally, the support positions the college as a center of excellence in health professional education, exploration, and service.

By planning your gift, you can make a significant contribution to Northeastern while also strategically meeting your financial goals. A bequest can have a transformative impact at the university without affecting your lifestyle or cash flow, or your family’s security.

BEQUEST
A bequest allows you to make a long-term commitment without changing your current standard of living. You can name Northeastern in your will or living trust by designating a dollar amount or a percentage of your estate.

For more information on this and other gift options, please contact the Office of Gift Planning at 617-373-2030, at giftplanning@neu.edu, or by visiting northeastern.edu/giftplanning.
Preparing Healthcare Leaders to Foster Health and Well-Being

Through the Empower Campaign, the Bouvé College of Health Sciences will build on its momentum of excellence and rise to meet longstanding and emerging healthcare challenges confronting our global community.

Join with us as we pursue this ambitious goal, so that more practitioners of science-based healthcare may be “Bouvé-prepared.”

MAKE YOUR GIFT AT WWW.NORTHEASTERN.EDU/BOUVE
or contact Kathleen Cotter, Associate Dean and Director of Development, Bouvé College of Health Sciences, at k.cotter@neu.edu or 617-373-2637.