LARGEST FRESHMAN CLASS MOVES IN

ALSO IN THIS ISSUE:
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- Women Religious Leaders
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Most Successful Fundraising Effort in DU History

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Waging a War on Cancer

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Thoughts from the President

A few weeks ago, Duquesne welcomed the largest freshman class in our history. If that sounds familiar, there is a good reason. We said the same thing last year, as it was our largest freshman class to date. Now this class is larger still. Larger and more academically qualified classes have become the norm on our Bluff for more than a decade. Students return for their sophomore years, and remain here to complete their degrees, at rates far exceeding the national averages. As we begin our 135th year, demand for a Duquesne education continues to grow.

This year’s class comes to us from 31 states and 20 countries. A remarkable ninety-six percent named us as their first or second college choice, based on our programs of study, urban location, size, and academic reputation. Twenty-seven percent have a relative who preceded them here.

Duquesne was once renowned regionally for excellence in teaching, but our secret is out. We are now recognized across the nation and around the world. We are now also a global, cutting-edge research university. In this issue, you will see how our faculty is on the forefront of discovery and the front lines of treatment in the fight against cancer.

Our inquiry is interdisciplinary. Our teacher-scholars are examining everything from the legal system (considering whether medical imaging technology could advance crime detection) to the literary world (uncovering the true identity of a noted British author writing under a pseudonym). The 2014 launch of our new biomedical engineering program—the University’s first engineering degree—will surely fuel even greater innovation.

True to our Spiritan heritage, we are intently focused on directing our teaching and scholarship in the service of others, especially the poor and marginalized. In this issue, you will meet faculty and alumni using theater to inspire young people in a struggling Pittsburgh-area school district. You will learn about a School of Leadership and Professional Advancement initiative preparing women religious to better serve their congregations and communities across Asia and Africa.

This edition also celebrates the most successful fundraising effort in our history. Support for Advancing Our Legacy totaled $163,588,556 from nearly 64,000 donors. It improved academic quality and student experience. Most importantly, it established and enhanced hundreds of endowed scholarships that will keep alive in perpetuity our founders’ promise of educational access for all worthy students. For our efforts, Duquesne was recognized on a very short list of most improved fundraising programs among major universities in the nation.

Your continued support helps make Duquesne such a popular destination for students, and ensures that we will remain vibrant and growing for years to come. Thank you for all you do for Duquesne University.

Sincerely,

Charles J. Dougherty, Ph.D.
Duquesne University President
Beta Pi Sigma fraternity was founded by men who lived through the unprecedented financial hardships of the Great Depression and experienced the horrors of World War II.

This fall, Beta Pi Sigma will mark 75 years of dedication to its members and to Duquesne with an anniversary celebration during Homecoming. The fraternity also has an eye toward the future, with the creation of the Beta Pi Sigma Fraternity Endowed Scholarship, which will forever provide financial assistance to children, grandchildren and other relatives of Beta brothers, and to United States military veterans attending Duquesne.

Matthew Madore, a sophomore majoring in marketing, was selected as the first recipient.

“As the grandson of a Beta Pi Sigma brother (John Rudzik, B’60), I am aware of the values that this fraternity represents,” says Madore. “My grandfather and uncles have gone on to be successful businessmen and prominent figures in their communities. This will be my goal as I begin my educational career...to not only achieve academically, but also to carry and share the moral and ethical values of my predecessors.”

The tradition that the founders of Beta Pi Sigma began 75 years ago endures. Ed Rock, Sr., B’42, GB’49, is the sole surviving founder of the Betas. A Pittsburgh native, he had a choice of attending two Catholic institutions. Economic realities helped to make his decision.

“I passed up Notre Dame for a better university—Duquesne,” he recalls with a broad smile.

Rock immediately got involved in campus life when he came to our Bluff in 1938, joining the band, participating in service activities, and, with the help of three classmates, founding Beta Pi Sigma. The fraternity got off to a strong start, but like many organizations, floundered as men went off to World War II. Rock was among this “greatest generation,” serving in the Army in China, Burma and India.

Returning to Pittsburgh after the war, Rock embarked on a 45-year career with Westinghouse and began graduate studies at Duquesne. Learning that Beta Pi Sigma had disbanded while the men fought overseas, he worked tirelessly with University administration to resurrect the brotherhood. Through the 1980s, Rock was a mentor and role model to generations of brothers.

Rock remains a familiar face, regularly visiting campus at the age of 94. His service to the University and community through an array of veterans’ and volunteer groups was recognized with Duquesne’s Mind, Heart and Spirit Lifetime Achievement Award in 2010. And though Beta Pi Sigma is no longer a student organization on campus, the fraternity’s nearly 375 alumni maintain an active presence in University life today.
**Duquesne Included in The Princeton Review’s ‘Best 378 Colleges’**

Duquesne is one of the nation’s best institutions for undergraduate education, according to The Princeton Review. The education services company features the University in the 2014 edition of its annual college guide, The Best 378 Colleges.

Only about 15 percent of America’s 2,500 four-year colleges and only four colleges outside the United States are profiled in the book, which is The Princeton Review’s flagship college guide. The Best 378 Colleges includes detailed profiles of the colleges with rating scores for all schools in eight categories.

In its profile of Duquesne, The Princeton Review cites “the eye to a well-rounded future is...a strength of the school”; there is “an excellent orientation program for new students”; and that the University’s “secluded campus...is part of Pittsburgh and at the same time, it is its own neighborhood.”

“Duquesne University offers outstanding academics, which is the primary criteria for our choice of schools for the book,” says Princeton Review’s Senior Vice President/Publisher Robert Franek. “We base our selections primarily on data we obtain in our annual institutional data surveys. We also take into account input we get from our staff, our 35-member National College Counselor Advisory Board, our personal visits to schools, and the wide range of feedback we get from our surveys of students attending these schools.”

The Princeton Review does not rank the colleges academically or from 1 to 378 in any category. The lists are entirely based on The Princeton Review’s survey of 126,000 students attending the colleges. The Princeton Review explains the basis for each ranking list at princetonreview.com/college/college-rankings.aspx.

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**Duquesne in Dublin**

**Study Abroad Program Launches**

Beginning this fall, students will have the opportunity to live and learn in the capital of Ireland as part of the Office of International Programs’ new Duquesne in Dublin initiative.

“Ireland is an ideal extension of Duquesne’s international footprint and mission,” says Dr. Roberta Aronson, executive director of International Programs. “We will connect our students to the Spiritan community and mission in Dublin, where the order is widely celebrated as preeminent educators.”

Students will earn credits at University College Dublin, the largest university in Ireland. This vibrant university, founded in 1854, traces its origins to the Catholic University of Ireland. The group will live together in Duquesne’s St. Michael’s House residence, an 1860 mansion owned by the Irish Spiritan Fathers.

For the inaugural semester, 12 students are enrolled in the program and one student from the School of Education will complete student teaching duties at Blackrock, the famous Holy Ghost Prep Academy.

For more information, visit www.duq.edu/study-abroad.
Representatives from Duquesne’s Small Business Development Center (SBDC) traveled to South America with 11 Pennsylvania companies in June in an effort to find opportunities for export in Colombia and Panama.

Both countries recently signed free trade agreements with the United States, eliminating tariffs and other barriers to U.S. exports.

“This has opened up a great opportunity to tap into these two emerging trade economies,” says Brent Rondon, manager of the SBDC’s global business program and organizer of the trip.

Funding for the trip was provided by the U.S. Small Business Administration. Because of its expertise in Latin America and in helping small businesses trade to the region, Duquesne’s SBDC was chosen among all 18 Pennsylvania centers to lead the trip.

“I’m very excited that we were chosen to take the lead on this,” says Dr. Mary McKinney, director of the SBDC. “We were delighted to have the opportunity to work with the State of Pennsylvania, the U.S. Department of Commerce and other SBDCs to recruit clients, produce trade manuals for these countries and complete training seminars across the state.”

The planning involved in setting up a trade mission of this nature is extensive. Of the 30 Pennsylvania companies that applied to participate, only 11 were selected as the best qualified candidates for doing business in Colombia and Panama. To ensure that the trip would be beneficial for the companies, the SBDC worked with the U.S. Embassy in both Colombia and Panama to find potential customer companies.

“It’s a really impressive service to the U.S. companies that want to do business in these countries,” says Rondon.

Other activities included networking receptions hosted by the American Chambers of Commerce Abroad, a business roundtable hosted by the University of the Andes in Colombia and a trip to the Panama Canal.

“We hope this is just the beginning of our leadership in the region for trade missions to our southern neighbors,” says McKinney.
This fall, the School of Nursing, which is welcoming its largest freshman class since the 1980s, will implement a newly revised curriculum for its Bachelor of Science in Nursing (BSN) program.

Approved by the Pennsylvania State Board of Nursing in June, the revised BSN program includes new courses and will have focus areas in acute care, technology and ethics, as well as a community-based component.

Since the 2010 passage of the Affordable Care Act, it has been estimated that approximately 32 million Americans will enter the health care system by 2019. “We are going to need 1.2 million more nurses in this country by 2020—with health care reform, we may even need more than that,” explains Dean of Nursing Dr. Mary Ellen Glasgow. “Nurses are in demand, and nursing is an attractive profession for young men and women for that reason.”

Led by a BSN curriculum committee, nursing faculty participated in a two-day retreat achieving consensus and direction for the curriculum changes. The committee examined the objectives outlined in the Affordable Care Act and also reviewed the recent Institute of Medicine’s report, The Future of Nursing: Leading Change, Advancing Health, to provide some guidance.

“The Future of Nursing report critically examined the nursing profession and recommended what needs to happen to move forward in providing high-quality health care to all Americans,” says Glasgow. “We decided that we want to provide our students with a variety of clinical specialties to better prepare them for clinical practice and, ultimately, the NCLEX (National Council Licensure Exam) exam.”

In addition, HESI (Health Education Systems, Inc.) exams—standardized and customized tests for nursing students—will be incorporated in each of the clinical courses to prepare them for the licensure exam.

Nursing faculty voted in August on a revised curriculum for the Second Degree BSN program as well, with plans to implement it in 2014. Plans also include implementing a new online RN/BSN curriculum and a revised Doctor of Nursing Practice program in 2014.

“Our students will have the knowledge of the specialty areas with a heavy scientific focus in health, as well as courses related to liberal arts, technology, gerontology, evidence-based practice, and nursing ethics across the life span, which will help Duquesne nursing students make well-informed, sound decisions,” says Glasgow. “We are obligated to prepare nurses for the present and future, and this curriculum is certainly going to meet that objective.”
Dr. John A. Viator has been named the inaugural director of Duquesne’s biomedical engineering program, scheduled to launch in the 2014 fall semester. The new program is designed to prepare graduates for job opportunities in manufacturing, research, health care and government, as well as medical or graduate school.

A cross-disciplinary curriculum will incorporate engineering, math, science and liberal arts coursework. Students will learn critical thinking, communication and management skills, and develop an understanding of the increasing importance of leadership and ethics in the engineering field.

Prior to his new position at Duquesne, Viator was associate professor in both the bioengineering and dermatology departments at the University of Missouri, where he also was a faculty investigator for the Christopher S. Bond Life Sciences Center. In his research lab, Viator and a team of students researched better ways to detect melanoma and additional types of cancer that have metastasized, such as breast cancer.

“I’m incredibly honored to be chosen to lead this effort,” says Viator. “It’s a once-in-a-lifetime opportunity for me to find a university that is fully committed to creating a new program in biomedical engineering. Together, we’re going to build something great, and I can’t wait to get started.”
Professor Outs J.K. Rowling as Author Robert Galbraith

BY ROSE RAVASIO

When asked by England’s The Sunday Times to take on an authentication project to review the works of a few British authors, Dr. Patrick Juola didn’t hesitate. Little did he know that his work would result in outing world-renowned author J.K. Rowling as the author of The Cuckoo’s Calling, which she published in April under the pseudonym Robert Galbraith.

And it took just 30 minutes.

“We’ve been working for about a decade on a program that analyzes text for authorial similarity. I ran four separate experiments that independently suggested that the author of The Cuckoo’s Calling wrote very similarly to the author of The Casual Vacancy,” explains Juola, associate professor of computer science in the McAnulty College. “This didn’t prove that Rowling wrote it, of course, but it was very suggestive.”

Rowling confirmed the discovery on her website, saying: “I hoped to keep this secret a little longer, because being Robert Galbraith has been such a liberating experience! It has been wonderful to publish without hype or expectation and pure pleasure to get feedback from publishers and readers under a different name.”

In addition to The Cuckoo’s Calling, Juola reviewed Rowling’s The Casual Vacancy, Ruth Rendell’s The St. Zita Society, P.D. James’ The Private Patient and Val McDermid’s The Wire in the Blood.

“The Sunday Times reporter, Cal Flyn, did a good job on the preliminary legwork. She was able not only to identify Rowling as a potential author, but also to come up with a good set of other, similar British crime writers to use for comparison,” says Juola. “The question then becomes, which author of the four is most like the author of Cuckoo? Rowling came up at or near the top for every variable I examined.”

Juola utilized software he developed for the Evaluating Variations in Language (EVL) Lab, which examines word usage and speech patterns to determine authorship across a range of fields.

Through their groundbreaking work in the EVL Lab, Juola and his team have already garnered billing as one of the world’s top computing teams for authenticating authorship by the Plagiarism Action Network, for which it produced one of the highest overall accuracy records.

“There are a lot of applications for this work. We’ve done some work for the court system, for example, in trying to establish identity for immigration cases or in trying to establish the author of questioned documents,” adds Juola. “We’ve also worked on some literary cases, and the related start-up—Juola & Associates—has been working with Drexel University on a DARPA-funded project to apply this technology to computer security.”

Through their groundbreaking work in the EVL Lab, Juola and his team have already garnered billing as one of the world’s top computing teams for authenticating authorship...
Most Successful Fundraising Effort in DU History Celebrated

Duquesne University Capital Campaign Total Exceeds $163.5 Million

At a gala attended by about 400 Duquesne University friends and alumni in June, President Charles J. Dougherty announced that Duquesne’s Advancing Our Legacy capital campaign raised more than $165 million, making it the most successful fundraising effort in University history.

“Your generosity has touched every student and every corner of this campus,” Dougherty told the donors present. “Its impact extends far beyond our Bluff through our outreach, and most of all, through our students and alumni who will carry their Duquesne education and experiences to the ends of the Earth, for years to come.”

The campaign, which officially concluded on Dec. 31, 2012, surpassed the goal of $150 million a year earlier. It achieved several notable milestones:

- More than $72.7 million restricted to endowments, creating 114 new endowed scholarships and 109 permanent programmatic support funds.
- Duquesne received the largest individual gift in University history: $12.5 million from the foundation created by the late philanthropist William S. Dietrich II.
- More than 3,600 parents contributed; 81 percent of these were first-time donors.
- Nearly 1,100 faculty and staff contributed in excess of $2 million.
- More than 2,300 corporations and foundations gave more than $49 million.
- Contributors made 20 gifts of $1 million or more and 34 gifts of $500,000 or more. In the University’s first 125 years, only six million-dollar-level gifts were recorded and only eight were recorded at the half-million mark.
- Of the 63,961 total donors, more than half made their first gifts to Duquesne.

The campaign achieved its goals for each of its three focus areas: academic quality, student experience and scholarships. While Advancing Our Legacy has ended, Dougherty said, these priorities remain as the University builds on momentum generated by the campaign.

“Our aspirations and needs do not follow calendars or cycles,” he said. “To serve God by serving students demands that we continuously improve teaching and learning, enhance the student experience and ensure that all students have access to a Duquesne education.

“We are engaged, energized and ready to pursue not just a campaign, but our enduring mission.”

Duquesne was recently recognized by The Council for Advancement and Support of Education (CASE) as one of its 2013 Educational Fundraising Award recipients. The University was named in the Private Research/Doctoral Institutions category and was one of just three institutions recognized for overall improvement of its fundraising efforts.

For more information and to watch a video highlighting the success of Advancing Our Legacy, please visit www.duq.edu/make-a-gift/legacy-in-action.
As faculty and students return to campus and stroll through the second floor of the Union, they can’t help but notice a new piece of art.

*Spiritus Vivus* springs to life through lenticular technology.

The mural *Spiritus Vivus*—or *Spirit Alive*—is eye-catching because of its size: 20 by 3 feet, depicting landmarks across campus.

In addition, it’s intriguing because as you walk alongside the work by muralist Gerard Tonti, a dove “released” on one side of the work “flies” alongside you, spreading its spirit across campus. The main panel is bound by two side panels that shift between being doves and the trademark Duquesne “D.” Depending on where you are and how fast you walk next to the painting, your view of the work will change each time, Tonti said.

This unusual mural, unveiled at June’s Legacy campaign celebration, is printed from 32 different copies of the digital painting interlaced together so that they work like animation frames. It uses a high-tech version of the “flicker” and “wiggle” technology that put the animation into prizes found in cereals and snacks.

Printed in New York by one of only three companies around the world to produce large-scale lenticular works, the piece has a custom-built, ridged lens over it to expose one frame at a time, said Tonti, whose African work graces Laval House and whose graphic dove faces Forbes Avenue from Chatham Square.

*Spiritus Vivus* honors the most successful fundraising campaign in University history. This artistry reminds us that every day at Duquesne, the Spirit that gives life runs through and with us.
Duquesne Named Among Best Catholic Colleges
Duquesne has been selected as among the nation’s best Catholic colleges by BestColleges.com.

In ratings released in June, BestColleges included Duquesne among fewer than 50 Catholic schools of the 262 in the United States in its list.

Unique as an American university founded by the Spiritan order in the United States, Duquesne was noted for its high ranking among small research universities, illustrating faculty productivity and for almost half of the University’s classes having fewer than 20 students.

Overall, the website noted, “Catholic colleges are highly regarded for offering excellent education, hiring professional and well-respected faculty, and graduating students out into the workforce who go on to have successful careers.”

Nursing School Receives Federal Grant
For the 10th consecutive year, the U.S. Department of Health and Human Services has provided a sizable block grant to the School of Nursing for graduate students who plan to be, or currently are and intend to continue to be, nurse educators.

The $457,745 grant is the highest awarded to any nursing school in Pennsylvania and the 11th highest in the United States.

Grant funds are provided through the Nurse Faculty Loan Program (NFLP), which aims to address the nation’s nursing workforce shortage by increasing the number of qualified nurse educators. Having more nurse educators makes it possible for nursing schools to expand enrollment, resulting in larger graduating classes. Nursing schools receiving NFLP grants make loans from the funds to graduate students who plan to become nurse educators.

New Minor in African Studies Launches
Beginning this fall, students across the University will have the opportunity to minor in African studies. The interdisciplinary program will offer a broad selection of courses on Africa that also can be taken to fulfill University and school core requirements or as electives if students are unable to commit to the full requirements of the minor.

Through studying Africa—including its traditions, cultures, and contemporary and historic issues—students will gain cross-cultural perspectives that are invaluable in today’s global marketplace.

The program also includes a study-abroad course. Beyond benefits to individual students, the new program also serves to further Duquesne’s strategic goal of placing a new emphasis on Africa and the African diaspora.

More information is available by visiting www.duq.edu/CAS or e-mailing africanstudies@duq.edu.

Innovative MBA Program to Focus on Area’s Major Industries
The John F. Donahue Graduate School of Business is introducing a redesigned, evening MBA program this fall for working professionals that focuses on disciplines that serve the major industries of the Pittsburgh region.

The new program will emphasize major industry sectors in the area, providing added value to employers and candidates interested in manufacturing, financial services, health care and energy. By integrating the principles of the business curriculum across all courses, this program will take less time to complete and cost less for qualified students. The degree, taken part-time, may be completed in about two years.

Students also will gain flexibility because the 11 core courses will be available online and in the classroom. The program allows students a choice among four concentrations: finance, management, marketing and supply chain management.
Duquesne Welcomes Record-Breaking Incoming Class

“Duquesne has continued to enroll and retain students at rates far above national averages...”

The largest incoming class in Duquesne history started classes on August 26. The record-breaking class of more than 1,550 freshmen is also among the most academically talented.

“The caliber of students entering Duquesne this fall demonstrates that the University offers a highly desirable educational environment,” says Paul-James Cukanna, associate provost for enrollment management. “This success represents the dedicated work of admissions, financial aid and many strategic academic, administrative and student services partners across campus.”

The University’s freshman survey shows that the offered programs of study draw them to Duquesne; the largest numbers of freshmen are enrolled in the schools of business, liberal arts and health sciences. Growing academic programs include music, nursing, business and health sciences, according to preliminary statistics.

In addition to Duquesne being a private institution, freshmen selected the University for its urban setting, academic reputation, size and distance from home.

While undergraduate enrollment has stayed fairly flat at many institutions, it continues to grow at Duquesne. “We believe that an increasing number of academically talented students are finding that Duquesne is the right fit for them,” adds Debbie Zugates, director of admissions.

The majority of students in Duquesne’s incoming class are from Pennsylvania, but 31 other states and several countries are represented, including Canada, China, Hungary, Poland, Qatar, Russia, Saudi Arabia, and Trinidad and Tobago. Additionally, more minority students—particularly African-American and Latino students—are enrolling at the University. Nearly one of every four incoming freshmen has relatives who are alumni.

“Duquesne has continued to enroll and retain students at rates far above national averages, and our efforts have been recognized by others, including ranking surveys and ratings by major financial services firms,” says Cukanna.

With more than 80 majors—including a new biomedical engineering program that will launch in Fall 2014—plus interest in Duquesne’s well-established programs, the trend of more academically prepared freshmen is expected to continue next year.
Around the world, women in religious vocations are facing challenges unimagined by previous generations. Once largely seen as caregivers in small, neighborhood parishes, these sisters are now viewed as leaders expected to address global ministry issues and serve in large, multi-country congregations—often without formal training.

This responsibility is felt most keenly in Africa and Asia, where the number of women entering into religious life is rising and where limited access to education is diminishing their leadership opportunities.

Few understand the implications of this issue better than Sister Miriam Joseph Mikol, who, as coordinator of the Sisters of the Holy Family of Nazareth’s (CSFN) Leadership in Mission Project Management Board, is charged with ensuring that the next generation of women religious leaders is prepared to face these new challenges.

After scouring institutions around the world seeking a solution, Mikol found the answer at Duquesne.

Guided by the University mission, the School of Leadership and Professional Advancement (SLPA) was able to partner with CSFN and develop a master’s program with a leadership in mission concentration. The program serves as a training ground for the next generation of leaders, says Jim Ulrich, associate professor and leadership faculty team leader. Students engage in class discussion, presentations and case studies based upon personal challenges.

“We present students with theories, tools, models and perspectives on actual problems they face,” says Ulrich. “Then they work together to develop approaches to address their problems.”

The program’s second cohort, launched in the Philippines close to where the students live and minister, addresses the leadership needs of women religious who serve in struggling communities.

“Here we can see up close the faces of those this program will
“We are educating and changing lives so others can change more lives.”

impact,” says Marianne Leister, SLPA director of student services.

The Manresa Retreat House, located within the bustling streets of Quezon City, Manila, serves as the base for the 36-credit degree. Late last year, 24 sisters from India, Bangladesh, Myanmar, Nigeria, Ghana, Taiwan, Tanzania and the Philippines completed their first six-week term, before returning this past spring for their second residential.

Between sessions, many travel great distances to access and post online reports.

Ulrich is both surprised and humbled by his teaching experience. “One student shared how her congregation was trying to decide if they should keep sending sisters to work in a malaria-infested region where three sisters had already died,” he says. “They are using knowledge and theory in situations I couldn’t begin to imagine.”

SLPA Dean Dorothy Bassett recalls accompanying students to experience the seemingly overwhelming task of ministering to children trying to survive on the streets of Manila. The streets—where according to UNICEF an estimated 85,000 children live, sleep, play and beg—are also where they learn about health, safety and good life choices.

“We traveled to a market through tight corridors, past stands where the air smelled of rotting meat and debris, into a stairwell where children were gathered for ‘street school.’ Sisters work daily with such communities,” says Bassett. “If we can help them and their congregations evoke change and educate people, our program will make a difference.”

Supported by European donors, the program’s first cohort studied on Duquesne’s Rome campus, receiving their degrees in 2010. After the Manila cohort graduates in December 2014, Duquesne hopes to transfer the curriculum to De La Salle University, a Catholic institution in the Philippines, ensuring that the program continues.

“No matter where the program is rooted, these women face similar challenges. Communities are in need, whether they are in Manila or in Kenya,” says Bassett. “We are educating and changing lives so others can change more lives. We have answered the call of service and set something wonderful in motion—something we can all feel proud of as members of the Duquesne community.”
In the Lab and in the Community, Duquesne Researchers are WAGING A WAR ON CANCER

BY KAREN FERRICK-ROMAN AND RICHARD TOURRELLOTT
Cancer statistics are not in our favor. One in two men and one in three women will be directly affected by cancer, according to the American Cancer Society. At least 200 different types of the disease lie in wait for us. Virtually every one of us will feel the ripples from the disease attacking family members, friends or co-workers.

Patients, families and medical professionals share best practices, protocols, struggles and successes in the war against cancer. But fine-tooth differences in approaches to fighting cancer and the particular mechanisms of the disease keep researchers and practitioners busy creating new ways to tame these cells gone haywire.

At the cellular, molecular and even atomic levels, Duquesne faculty look to disrupt pathways and signals that contort ordinary cells and turn them into killers. Other faculty work with patients and caregivers to improve their quality of life in the midst and the aftermath of encounters with cancer.

Here are some ways that Duquesne faculty invoke expertise and innovation to battle against cancer.

**CONTROLLING CANCER THROUGH THE IMMUNE SYSTEM**

**DR. PHILIP AURON**, professor of biological sciences, Bayer School of Natural and Environmental Sciences, focuses on the body’s immunologic defenses. Auron, an internationally recognized expert in macrophage gene regulation, is particularly known for his seminal discovery of the molecular nature of the cytokine interleukin 1 (IL-1), work which was recognized as a Pillar of Immunology by The American Association of Immunologists for stimulating research leading to more than 40,000 derivative publications.

Macrophages, the disease fighters developed from white blood cells, switch into an incredibly inefficient but very high-powered energy level when battling cancer cells and other invaders. In fighting mode, their metabolism runs at lower efficiency, but at much higher speed, operating similar to and in the same low-oxygen environment as tumors.

The macrophages induce fever, swelling and edema, using these and other inflammatory reactions, such as the release of cytokines like IL-1, as weapons. Yet, too much of “a good thing” can be harmful; inflammatory responses are therapeutic when expressed for short periods, but can lead to disease and the establishment of tumors under extended, chronic conditions.

Macrophages also have ninja-like powers to move between cells and even to harmlessly tunnel through cells, but can be tricked into assisting cancer cells to metastasize and move to other locations. Therefore, macrophages can serve both positive and negative roles in the progression of cancer.

By modifying the genetic and biochemical triggers and pathways that activate the low-oxygen responses in macrophages, specifically for enzymes involved in kick-starting the high energy cycle, Auron believes metastasis could be halted—controlling, if not eradicating, cancer. Besides working as part of a team to publish findings earlier this year in the esteemed *Nature* magazine, findings from Auron’s work were recently published in Public Library of Science (PLOS) One.
**Disrupting the Survival of Cancer Cells**

DRs. JANE CAVANAUGH, PATRICK FLAHERTY, and JEFFRY MADURA have formed a collaborative team that unites members across disciplines, generating computer models for compounds, building and testing them in labs, and then, with a Tulane University collaborator, in vivo. The team focuses on MEK enzymes, which are instrumental in promoting cell survival, especially in certain breast and prostate cancers and mesothelioma. This group centers on MEK 5, a unique signaling pathway of increasing relevance in the fight against cancer. By exploring interactions of this enzyme in the replication process of cancer’s genetic matter, the group hopes to revert cancer cells back to normal cells, says Madura, professor of chemistry and biochemistry, Bayer School of Natural and Environmental Sciences, and holder of the Lambert F. Minucci Endowed Chair in Engineering and Computational Sciences.

“In cancer, the ultimate goal of the cells is to survive and proliferate,” says Cavanaugh, assistant professor of pharmacology, Mylan School of Pharmacy. “So the enzymes that promote this goal are potential targets for therapeutics.”

Using his math skills, plus examining physical properties and chemical bonds, Madura generates computer models for the most likely MEK 5 inhibitors, determining which compounds are most likely to succeed against cancer cells. Flaherty, associate professor of medicinal chemistry, Mylan School of Pharmacy, makes the compounds recommended by Madura’s computer model. Cavanaugh tests Flaherty’s compounds to see which demonstrate the greatest promise in a lab. The most active compounds are shared with Dr. Matthew Burow in New Orleans to test against human tumors grown in host animals.

“The most interesting part of the process is when the compounds interact with the biological system,” says Flaherty. “This is a complex system, which is why good collaborators are essential.”

Critical to this work—and to the work of others following Duquesne’s teacher-scholar model, which incorporates students into research—is graduate and undergraduate student input. Burow, for example, was brought on board at the suggestion of Suravi Chakrabarty, a Duquesne medicinal chemistry student. Likewise, students in computational chemistry (Sankar Manepalli) and pharmacology (Darlene Monlish) have had significant impact.

In deciphering the MEK 5 mechanism, students have opportunities to contribute to a major health issue of our time. The group hopes to obtain external funding that will allow further investigation of the MEK 5 pathway.

**Creating Selective, Non-toxic Cancer Fighters**

Drawn to cancer research first by the shadow it cast over his family by sickening and killing his grandmother, then by the intricacies of cancer, a young DR. ALEEM GANGJEE thought science would beat the disease in the first 10 years of his career. More than 30 years later, the acclaimed cancer researcher has great respect for his cunning opponent—and has never stopped developing new ideas in his quest to outsmart cancer.

Gangjee, distinguished professor of medicinal chemistry, Mylan School of Pharmacy, and the Rev. Adrian Van Kaam, C.S.Sp., Endowed Chair in Scholarly Excellence, has concentrated on building compounds that multitask. He creates agents that selectively target cancer cells without harming normal cells and sickening people. And he envisions compounds that will hit cancer cells with at least a double whammy, not just through a single mechanism.

Most of Gangjee’s work strikes out against the most stubborn of cancers, such as aggressive breast cancers and hard-to-treat ovarian cancers. Gangjee, who has held five concurrent National Institutes of Health (NIH) R01 top-level grants for cancer and other deadly diseases, has received more than 25 patents and $18 million in NIH funding in his 30 years of research at Duquesne. His most recent grant, $1.56 million from the NIH’s National Cancer Institute, targets the basic building blocks of cancer cells’ DNA.

Gangjee focuses on a folate transport system that furtively carries anti-tumor agents inside the tumor, fighting cancer from the inside out.
Once inside, the compounds selectively block signaling systems that initiate DNA synthesis. In other words, they keep cancer cells from reproducing while not sickening the patient or allowing the cancer cells to become resistant to the treatment. Some Gangjee compounds have shown so much promise that they are on the NIH clinical “fast track” for development.

“These compounds are wonderfully selective, exquisitely selective and very, very potent,” says Gangjee. He continues to develop compounds with commercial potential.

WHAT DRUGS WORK BEST?

The laboratory of pharmaeconomist DR. KHALID KAMAL is his computer—and his data look like March Madness brackets.

What drugs provide the biggest bang for the buck? Which are likely to eliminate the need for surgery or further doctor/emergency room visits? What are the side effects? What does the medication add to the quality of the patient’s life or the quality of the caregiver’s life?

Kamal, associate professor of pharmacy administration, Mylan School of Pharmacy, addresses these issues through computer-generated decision analyses.

“In the prescription drug market, everything is expensive,” says Kamal. “The most expensive of these are cancer drugs. It’s a very sensitive issue: the drugs available are limited, the cost is enormous and the analysis is not just about survival, but the cost and quality of life. Pharmacoeconomics deals with efficiency, how to reduce costs and improve patient outcomes, including quality of life and life expectancy.”

For instance, a Kamal study examined the long-term emotional impact in breast cancer survivors (2.5 million people in 2006).

“A lot of people cope well, but a lot don’t. If you’re a long-term breast cancer survivor, socioeconomic factors aren’t good overall,” says Kamal. “Long-term survivors do have quality of life issues. How do you get that fear out of your mind that it’s not going to come back?”

His current study will compare four recently approved therapies for metastatic castration-resistant prostate cancer by price, outcomes and downstream medical costs.

“If the four drugs are all expensive, how does a physician decide which works best? The clinical trial is a drug vs. placebo, not a drug vs. a drug,” explains Kamal, who compares medications, projecting outcomes for two, five and 10 years with best, worst and typical scenarios, including patient and caregiver quality of life.

The drug therapy costs for prostate cancer range from $48,000 to $93,000 a year. When multiplied by the number of men affected, the cost is substantial—worthy of being assigned a “bracket” on his computer.

Results from his study will be available by year’s end.
THE ROLE OF MELATONIN IN CANCER TREATMENT

DR. PAULA WITT-ENDERBY, professor of pharmacology, Mylan School of Pharmacy, believes in the power of melatonin. She has tested it in easing symptoms of menopause, bulking up otherwise thinning bones, and in protecting women against some types of cancer. After the federal Women’s Health Initiative released information in 2002 that a hormone replacement therapy (HRT) increased breast cancer risk, a subsequent 2005 Witt-Endebery study, supported by a Susan G. Komen for the Cure grant, showed all HRT is not created equal and it depends on the type of estrogen and type of progestin contained within.

Using an HRT that consisted of estrogen and progesterone found naturally in the body, paired with melatonin, Witt-Endebery found the formulation actually provided protection from an aggressive form of cancer. Fewer mice got cancer; those that did took longer to develop the disease and fewer metastasized beyond the mammary gland. This formulation, while containing half the clinically recommended dose of progesterone for this dose of estrogen, also continued to protect the uterus.

Witt-Endebery found that the addition of melatonin modulated the receptors expressed in the uterus in a way to make them less sensitive to estrogen and probably more sensitive to progesterone. With the goal of developing a safe therapy for menopausal women to take for alleviating their menopausal symptoms, Witt-Endebery finds that melatonin may be critical.

Patents are pending for the compounds, and Witt-Endebery is continuing her work with melatonin.

IMPROVING CARE AFTER SURGERY

Every stage of cancer care is crucial, and ensuring that patients receive the best care after cancer surgery motivated DR. ELIZABETH DEIULIIS, an assistant professor of occupational therapy in the Rangos School of Health Sciences, to conduct a cancer-related quality improvement project.

While a newly appointed director of the occupational therapy (OT) department at UPMC Shadyside hospital in Pittsburgh and a graduate student pursuing a clinical OT doctorate, Deluliis saw how people with breast cancer could benefit from occupational therapy in their course of treatment.

Even after successful breast cancer surgeries, patients are prone to a range of complications, including pains, swelling, frozen shoulder and lymphedema, as well as psychological distress. With patient education and consultation by an occupational therapist, she explains, these kinds of problems can be avoided or ameliorated, adding that, “research indicates that it is crucial to intervene, as soon as possible, to reduce the risk of developing complications.

“I think that the breast cancer population fell through the cracks because typically women who are there for breast cancer surgery, including mastectomy or breast reconstruction, are typically staying only a night or two,” says DeIuliis.

Early discharge meant the women were missing out on OT consultation and services.

Deluliis’s project highlighted a way to improve patient care, and now many oncology and plastic surgeons at UPMC Shadyside are issuing a standing order for an OT evaluation for their patients after breast cancer surgery.

The day after an operation, an occupational therapist evaluates biomechanical and motor and sensory functions, and learns about the patients’ daily habits and activities. Because occupational therapists are educated to treat individuals holistically, the results of the evaluation can be used to prescribe a course of treatment—which can include therapeutic exercise, retraining for the activities of daily living or education that focuses on risk-reduction strategies for lymphedema—for each case.

Additionally, Deluliis has been gratified to see that, resulting from her efforts and those of like-minded colleagues, the American Occupational Therapy Association has an official document that she co-authored, which focuses on the key role that the OT profession plays in the healing process after breast cancer surgery.
SCHOOL OF NURSING ADDRESSES ALL ASPECTS OF CANCER CARE

At Duquesne, nursing students are taught that nursing is an art and a science. They also learn that effective nurses are capable of providing comprehensive care for a patient’s health and wellness, including the needs of the patient’s family and community. The cancer-focused research projects and service initiatives undertaken by members of the School of Nursing faculty exemplify Duquesne’s role in preparing nurses to provide a full range of caring practices and to play a leading role as advocates for the underserved.

UNDErSTANDING STRESS ASSOCIATED WITH CANCER

Along with the physical harm cancer causes, it brings stress for oncology patients, as well as for those who care for them.

Oncology care has interested Associate Professor of Nursing Linda Goodfellow throughout her career as a nurse and educator, and for her, cancer-related research began in earnest with her doctoral dissertation.

With an interest in psychoneuroimmunology, how the body’s immune system responds to psychological stimuli, she undertook an investigation into the link between stress and the activity of natural killer cells, white blood cells that appear to play a role in suppressing tumor formation.

“What I needed to do was to find a stressed group of individuals, because we know that stress affects immune system functions, but what we don’t know is exactly how that’s done,” says Goodfellow.

She aimed to work with cancer patients, but their immune systems are atypical, making it unlikely that she could obtain the data she sought. It could be instructive, Goodfellow reasoned, to direct attention to the spouse, a stressed, but presumably healthy, caregiver for a cancer patient.

So she developed a research study that introduced a common, low-cost relaxation method—massage—to determine what effect it might have on immune function, specifically natural killer cell activity, as well as other physiologic and psychosocial variables.

Over the years, she has garnered a number of grants for research related to learning about the factors that cause and alleviate stress in cancer-patient caregivers. Caregivers’ stress levels, says Goodfellow, can be intensified by the fact that cancer patients are spending less and less time in the hospital after surgery or treatment.

“It’s important that we keep caregivers healthy because the cancer patient is going home very quickly,” she says. “We don’t include the spouse in the plan of care, yet they are a highly stressed group of people and also need attention.”

“It’s important that we keep caregivers healthy because the cancer patient is going home very quickly.”

REALIZING THE RISK

One of Goodfellow’s nursing faculty colleagues has found that, for some people, even talking about the disease can be stressful, so stressful, in fact, that they prefer not to discuss it, even when they themselves are cancer patients.

In just two years, Associate Professor of Nursing Khlood Salman lost three friends to breast cancer. Each of the women was a close friend. Each knew Salman was a health professional, but none ever mentioned cancer.

“And that gave me a signal—a warning,” recalls Salman, “that women in my community are not educated enough about the risk of breast cancer.”

Cancer was obviously a sensitive topic for women like Salman’s friends, who were Muslims and immigrants. She sensed that such women do not choose to undergo cancer tests, even when they are insured or have access to screening through the free vouchers for mammograms from the American Cancer Society.

Applying herself to the goal of improving the health prospects of minorities and others in underserved communities, Salman, whose academic credentials include a doctorate in public health, envisioned a study that probed women’s perceptions of cancer screening. After joining Duquesne’s nursing faculty in 2007, funding from the School of Nursing enabled her to launch the project.

An immigrant from Iraq herself, Salman turned her attention to Arab-Muslim women in the Pittsburgh region. For these women, Salman found that factors are preventing them from seeking screening and treatment, including: the complexity of the American health care system, language differences and the fact that immigrant women sometimes come of age in nations where physicians are not sought for testing. Her research findings were published in Health Care for Women International in 2012, and in October of this year, she will present findings from her study to the annual conference of the Transcultural Nursing Society.

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Nevertheless, she feels that her work is not complete and hopes to replicate the study with a larger sample and other types of immigrant women in order to enable cross-group comparisons.

Salman ultimately aims to promote health and prevent disease. The way to do that is through education, but also by raising awareness about the risk of cancer and the benefit of early detection.

“Fortunately, these days you can find information about cancer on your cell phone,” she says, “but people need to feel that everyone is at risk.”

TREATING THE UNDERSERVED

Along with Salman, other members of the nursing faculty have supplied expertise that has improved cancer education, screening and treatment for members of underserved populations.

In 1995, Dr. Joan Such Lockhart, with assistance from the Pittsburgh-based Oncology Nursing Society (ONS), began working with nurses employed by the Nicaraguan Health Ministry to improve cancer-related patient care in Nicaragua. The Nicaraguan nurses were concerned about the high rate of cervical cancer and wanted to learn about prevention and early detection practices.

At the same time, when Universidad Politecnica de Nicaragua (UPOLI), along with Nicaragua’s six other nursing schools, aimed to develop new nursing curricula, Lockhart and faculty colleagues Leah Cunningham and Dr. Leni Resick supplied their guidance, helping to design nursing coursework that could contribute to improved health among women and children, a priority of the Nicaraguan Health Ministry.

Lockhart feels that the revised curricula improved cancer-related nursing education and helped UPOLI to preeminence in nursing education among Nicaragua’s nursing schools. UPOLI’s leadership, Lockhart adds, was a major factor in raising national awareness about cervical and breast cancer.

By 2002, Lockhart and Cunningham were working with UPOLI and the nurses in the health ministry in creating a culturally appropriate cervical and breast cancer education and screening program for the women of Villa Libertad, a barrio in Managua. Their collaboration resulted in UPOLI launching a low-cost, self-sustaining clinic in a Managua barrio, a faculty-managed clinic modeled on Duquesne’s Nurse-Managed Wellness Center. For over a decade, women from Villa Libertad have been receiving Pap tests and breast exams performed by faculty members and nursing students from UPOLI who also arrange for follow-up treatment.

There, Duquesne students are also getting a chance to assist with cancer education and screening procedures. For the past 18 years, nursing students and faculty members have traveled to Nicaragua for field experience in transcultural nursing, and side by side with their UPOLI counterparts, for whom the center in Villa Libertad is a clinical site, the Duquesne students, Cunningham says, are gaining a greater awareness and deepening their knowledge about cancer.

STRENGTHENING THE CURRICULUM

Lockhart, the nursing school’s associate dean for academic affairs, has also been working with the ONS to establish standards for cancer-related coursework in U.S. nursing schools.

A long-standing member of the ONS with an extensive record of service to the organization, she led the ONS team that designed and administered the first national survey of nursing programs to learn about cancer-related concepts in their curricula. That survey was fundamental in helping the ONS create the Education Resource Center, an online portal now used by nurse educators.

Examining how student nurses are prepared to deal with cancer survivors and their families was only the first part of the task, explains Lockhart. The next project will involve finding ways to meet the educational needs of nurses in clinical practice who have not received preparation in oncology.

Lockhart points out that the chances of being a cancer survivor are higher than ever, which means that the cancer care setting is shifting from inpatient locations designated for cancer care to other health care environments, where cancer can be managed as a long-term chronic illness. Lockhart and her ONS colleagues will be working over the next 18 months on an initiative to examine the role that practicing nurses play in providing and improving care to this group of patients, ultimately with the aim of creating national curriculum standards for nursing care of cancer survivors.

The goal is “to provide safe, quality care for cancer survivors no matter where they are in the health care system,” says Lockhart.
1. President Charles Dougherty and his wife, Hon. Sandra L. Dougherty, are shown with Robert Zwigard, B’96, Kenneth Davie, L’73, and Matthew Monahan, A’77, at a wine tasting for New York City alumni at Corkbuzz Wine Studio in Greenwich Village.

2. Cleveland-area alumni and friends enjoyed a reception at the Firestone Country Club in May. Shown are Ronald Grobelny, Lynn (Veal) Hines, MN’09, and Christopher Grobelny, B’93.

3. Seniors celebrated graduation and entry into the Alumni Association at the Becoming the Tradition event in the Power Center on May 1. The group was welcomed with a champagne toast by Alumni Board President Mary Adele Krolikowski, B’84, GB’88.

4. In June, 700 high school seniors, along with parents and family members, came to campus for Duquesnefest, an annual recruitment open house. The prospective University students and guests toured Duquesne and learned about academic offerings and campus life.

5. Law School Dean Ken Gormley and Professor Frank Liu recently hosted seven members of the Chaoyang Lawyer Society of Beijing, China. The delegation visited Pittsburgh and the School of Law as part of a U.S. tour. In 2012, Gormley and Liu visited the Chaoyang Lawyer Society in Beijing during a trip that resulted in discussions of a partnership between the society and the law school. The visit to Duquesne allowed the two institutions to discuss options for future exchange and continuing legal education programs.

6. To mark the centennial of the Palumbo • Donahue School of Business, a large banner has been installed near the Forbes Avenue entrance of Rockwell Hall, the business school’s home since 1959. The banner will remain in place through the remainder of 2013, the 100th year of the School of Business.
University Endows $1.2 M Roberto Clemente Scholarship for Hispanic Undergraduates

Duquesne has announced the establishment of a $1.2 million Roberto Clemente Endowed Scholarship, created to honor the baseball legend’s outstanding contributions to the city of Pittsburgh, his commitment to diversity and social justice, and his heroic humanitarian efforts. It is the first scholarship in higher education to be named for Clemente.

“Roberto Clemente lived his life by a set of core values that are perfectly aligned with those that guide the mission of Duquesne University,” said Duquesne President Charles J. Dougherty, at a special gathering at PNC Park’s Gunner’s Club. “His work to promote diversity and social justice, and care for those less fortunate are the true pillars of his great legacy.”

The Clemente scholarships are renewable each year based on the student’s academic performance. Duquesne, which enrolls approximately 10,000 students, has Hispanic students from as far away as Puerto Rico and California, as well as from Pittsburgh.

Roberto Clemente, a native of Puerto Rico, made his major league debut with the Pittsburgh Pirates in 1955. During his career, he led the National League in batting four times during the 1960s, became the first Hispanic player to reach 3,000 hits and was one of only four players to earn 10 or more Gold Glove Awards (he earned 12).

As a humanitarian, Clemente did charity work in Puerto Rico and other Latin American countries. He died in an airplane crash on Dec. 31, 1972, when he accompanied a flight to deliver much-needed emergency relief supplies to Nicaragua, which had suffered a massive earthquake.

Clemente, who was elected to the Baseball Hall of Fame in 1973, is the namesake of the Roberto Clemente Award presented annually by Major League Baseball to the player who follows his example of humanitarian work. In Pittsburgh, PNC Park includes a statue of Clemente located by the Roberto Clemente Bridge, near the city’s Roberto Clemente Memorial Park. The Roberto Clemente Museum opened in 2007 in Pittsburgh’s Lawrenceville neighborhood.

Duquesne’s Pharmacy: Your Partner for Better Health

Duquesne’s Center for Pharmacy Services is on the leading edge of helping patients manage their medications and live healthy lifestyles.

In addition to filling prescriptions and delivering them locally for free, the pharmacy provides a number of health and wellness services, including screenings for blood pressure, cholesterol, blood glucose and bone density.

Staffed by licensed pharmacists, the pharmacy is operated by the Mylan School of Pharmacy and serves both the public and the University community.

• Free local delivery  • $4 generic drug program  • Free wellness screenings

Learn more by visiting www.duq.edu/heart-of-hill or calling 412.246.0963.
Alumni Board of Governors Welcomes
Three New Board Members

Heather Zilles came to Duquesne in 1990, as both a transfer student and commuter. After receiving her B.S. in secondary mathematics education, Zilles left the weather of Pittsburgh in 1995 for an information security analyst position with Wells Fargo Bank in Phoenix. Today, she still resides in Phoenix and works as vice president in operational risk management in Wells Fargo’s technology and operations group.

Of her time at Duquesne, Zilles says “my Duquesne education has helped me to quickly adapt to change, observe and welcome diversity, and embrace the values instilled by the University, such as serving others.” Zilles chose to become involved with the Board of Governors to help shape and influence future students’ and graduates’ experiences while at Duquesne and afterwards. She believes her desire to give back and strengths in relationship building, advocacy and governance will benefit the board and allow her to stay connected with Pittsburgh, the city she is proud to have grown up in.

Bill Presutti attended Duquesne during the 1960s, when the basketball team was nationally ranked and creating a constant buzz of excitement on campus. He calls those days one of the highlights of his life. His most cherished memories were created by his favorite professors, Fr. Ed Bushinski and Professor Joe Morice. Presutti worked to emulate his own teaching career after both men.

Presutti recently retired from Duquesne, where he spent 29 years as a member of the faculty in the business school. He credits Duquesne with shaping his life in many ways, from providing a solid education that helped him earn his officer’s commission in the U.S. Air Force to encouraging his pursuit of lifelong learning, demonstrated through the doctorate he earned from Carnegie Mellon University. He joined the Board of Governors to repay the University for providing him with the foundation on which he was able to build his professional and personal life. He hopes to encourage older alumni to become more involved with the University.

Richard Longo calls his college years at Duquesne “the finest of his life.” The Catholic atmosphere and the intimate class size that allowed for deep relationships between faculty and students drew him to Duquesne, and Longo credits the Spiritan fathers with having an incredible influence during his undergraduate years that continues today. Duquesne’s integrative approach of mind, body and spirit has been an intricate component of Longo’s career and personal life. Those values have helped him parlay a career that began in nursing into his current role of senior consultant for RIUOL, LLC.

Longo joined the Board of Governors as a way to give back for everything that he has received as a result of his education and experiences at Duquesne. He hopes to help other alumni develop a better understanding of the importance of a Spiritan education and foster a greater sense of support for the University.

A Tribute to Joe Negri

Surrounding Joe Negri with music was an appropriate way to mark 40 years since he came to Duquesne to start a guitar studies program in the fall of 1973.

Duquesne recently celebrated his lifetime of accomplishments at a Tribute to Joe Negri. The evening was part tribute, part concert, as Negri was joined on stage by Duquesne students and faculty (some of whom were once his students) Mark Koch, Maureen Budway, Joe Dallas, Mike Tomaro and Sean Jones, as well as special guests Max Leake, Tom Wendt and Tony De Paolis.

Proceeds from the evening benefitted the newly created Joe Negri Jazz Guitar Endowed Scholarship, which, once fully endowed, will benefit students within Duquesne’s Jazz Guitar program. Negri is often called the “father” of the Mary Pappert School of Music’s guitar program. When it began four decades ago, it was one of the first jazz guitar programs in the country.

Of course, Negri’s impressive career is not limited to his work at Duquesne. He has distinguished himself as an acclaimed performer, composer, actor and educator. He has appeared with a roster of platinum artists including Michael Feinstein, Tony Bennett, Andy Williams, Wynton Marsalis, Branford Marsalis, Buddy DeFranco and Yo-Yo Ma. Negri is also known to millions of children for his role as “Handyman Negri” on the PBS show Mister Rogers’ Neighborhood.

Negri, at age 86, is still actively teaching and performing. If you would like to contribute to the Joe Negri Jazz Guitar Endowed Scholarship, please visit www.duq.edu/negrischolarship.
THE TRUTH ABOUT LYING
The U.S. legal system hinges on the ability of a jury to determine a defendant’s guilt. But much of testimony is a he-said, she-said, with the jury left to determine where truth and lies begin and end.

But what if one day the legal process involves a brain scan that could accurately and scientifically determine if a defendant or witness is lying?

This question has become important as functional magnetic resonance imaging (fMRI)—a specialized MRI scan that measures brain activity by detecting changes in blood flow—is being researched for its ability to differentiate lying from truth-telling.

Jane Campbell Moriarty, associate dean of faculty scholarship and the Carol Los Mansmann Chair in Faculty Scholarship at Duquesne’s School of Law, has been studying the findings of this early research to determine if the technology should yet have a place in the courtroom. Her recent paper, Using Brain Imaging for Lie Detection: Where Science, Law and Policy Collide, which was co-authored by Dr. Daniel D. Langleben at the University of Pennsylvania’s Perelman School of Medicine, explores the multi-platform questions that have arisen from speculations about fMRI and lie detection.

“There have been a number of small, interesting studies done in a variety of labs where researchers using fMRI believe they have found patterns of brain activation that differentiate between telling the truth and lying,” says Moriarty. “The problem is that we don’t know if their findings are meaningful for real-world lie detection.”

As far as proving accuracy of the fMRI scans for lie detection, these studies pose a number of problems, according to Moriarty. For example, the sample sizes are very small, none with more than 60 test subjects, and many studies have not been replicated to see if results are consistent. But, perhaps most significantly, the research largely has been conducted on healthy, college-age students in controlled laboratory settings.

“These studies might not translate well into the real world,” explains Moriarty. “We don’t know if the brains of people who are good liars, people who are practiced liars, people who are criminals, are going to show the same pattern of activation as people who are told to lie for the purposes of a study.”

Moriarty notes that there might be a big difference in brain activity when a study participant lies about whether he’s holding a ring in his hand versus when a suspect is answering whether he shot his wife.

“We usually have a good reason to lie,” says Moriarty. “Typically, we lie to protect ourselves or to protect others. Simply having people in a laboratory say, ‘Yes, I did x,’ or ‘No, I did not do x,’ doesn’t create the real-life situation that would give comfort to using this in court.”

Nonetheless, two companies—No Lie MRI in California and Cephos in Massachusetts—have tried to introduce fMRI scans for lie detection as evidence in two separate court cases. It was disallowed in both cases because the evidence surrounding the accuracy of fMRI technology for discerning truth-telling from lying was deemed inadmissible.

Beyond the legal questions, Moriarty says the use of fMRI for lie detection brings up a host of philosophical and ethical questions.

“I have concerns about the constitutional implications of using lie detection against people,” she explains. “We might find that fMRI becomes a really good tool much the way DNA has become ubiquitous in crimes involving blood. What are the implications not only for law and the management of crime, but what would it mean for the species? We’ve adapted to be both very good liars and pretty poor lie detectors. What happens when we change that by creating a very reliable system of lie detection?”

Moriarty currently is developing a book proposal to explore the issue further. She intends to cover the history of deception, the use of lie detection in law throughout the ages, neuroscience and lie detection, and, looking forward, what might happen if we are successful at determining when people are telling lies.

“This work is in its infancy,” says Moriarty. “It will be interesting to see where fMRI goes, but I don’t think it’s ready for court.”
Did You Know?

**Rockwell Hall** received an environmental certification from Class-g, marking Duquesne as the only educational institution participating across 28 states, Canada and Mexico. The Class-g rating—co-developed by Michael Embrescia, a graduate of Duquesne’s first MBA Sustainability cohort—accounts for ongoing environmental actions inside the building, as well as physical properties of the building itself.

Duquesne ranks among the best colleges and universities when it comes to preparing students for sales careers, according to the **Sales Education Foundation (SEF)**. Inclusion on the SEF’s Top University Sales Programs list indicates that Duquesne graduates are well prepared for sales positions, says Dr. Dorene Ciletti, assistant professor of marketing and sports marketing. This is the first time Duquesne has been ranked on the SEF list.

A team of **MBA Sustainability students** from the Donahue Graduate School of Business earned third place in an international case competition sponsored by the Aspen Institute, an organization devoted to fostering worldwide values-based leadership. The competition is limited to teams from schools among the Global 100, an Aspen Institute ranking that gauges the extent to which sustainability is integrated into a university’s graduate business curriculum.

Duquesne welcomed community leaders to campus for the inaugural **Corporate Equity and Inclusion Roundtable** in May. Art Rooney II, president of the Pittsburgh Steelers, served as keynote speaker at the event, which was initiated by The Black Political Empowerment Project. The roundtable was established to set the tone and foundation for future conversations and action to increase diversity and inclusion throughout the Pittsburgh region.

In June, the **Bayer School of Natural and Environmental Sciences** co-hosted the 2013 Association for Environmental Studies and Sciences conference, **Linking Rural and Urban Societies and Ecologies**, in partnership with Chatham University’s School of Sustainability and the Environment.

**Nursing Dean Dr. Mary Ellen Glasgow** has been selected by the American Academy of Nursing (AAN) for induction into the organization’s 2013 Class of Fellows. One of the highest honors in the nursing profession, an AAN Fellowship recognizes the accomplishments and contributions of nursing leaders in education, management, practice, policy and research. Glasgow has served as dean of the Duquesne School of Nursing since August 2012.

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University and School of Pharmacy officials recently joined representatives from Giant Eagle for the formal dedication of the Giant Eagle Center for Pharmacy Practice, which provides an environment that integrates, reinforces and enhances learning by showing pharmacy students the relationship between class lectures and pharmacy practice.
Barbara M. Fisher, B’96, MBA’97, recently visited her hometown of Berlin, Germany, with the DU Magazine. She is pictured in front of the Brandenburg Gate.

This was the 13th year for the Alpha Epsilon Fraternity Hilton Head event, which was developed by alumni John Callery and Jim Linder in honor of fraternity chaplain Rev. Joseph Duchene, in whose name an endowed scholarship was established.

Shown, from left to right, are: Chuck Neidhardt, Mike Samuels, Dave Brugger, Larry Korzon, Terry McDermott, Rich Grattan, Chuck Cain, Gerry Grunert, Steve Yezenosky, Larry Novotney, Tom Manion, John Callery, Tony Accamando, Jack Gannon, John Sughrue and Marty Burkhart.

Tom Ribelli, S’13, and Samih Nassif, S’13, recently met up in Cartagena, Colombia, while vacationing and visiting with their families in South America.

Mark Proch, S’07, lives in Manatee County, Fla., and works for Manatee County Government Natural Resources. As part of land management goals for preserves, the organization conducts prescribed burns regularly. Here, he is shown with the DU Magazine during a recent burn.

William Allsopp, A’96, MBA’00, took the Duquesne Magazine on a recent business trip to Rio de Janeiro. Here, he is shown at the Christ the Redeemer statue on top of Corcovado Mountain.

As part of Rappel for Kidney Health, Michelle Buzzelli, HS’07, raised more than $1,000 for the opportunity to rappel down a hotel in Baltimore. Andrew Hower, S’05, was on the Over The Edge crew that supplied the equipment and staffing for the experience.

More “On the Road” photos are available on Duquesne’s alumni website. To view photos, visit: www.myduquesne.duq.edu/alumniphotos
Perhaps more than any other event in American history, the 1963 assassination of President John F. Kennedy has continued to spark debate among generations of Americans.

As the 50th anniversary of that dark day in Dallas approaches, the mystique surrounding the assassination is still strong. Since the president’s motorcade was attacked, his death has been the subject of ongoing investigations, with dedicated forensics specialists and investigators using continuously advancing technology and techniques to study the circumstances and events surrounding one of our nation’s most tragic moments.

The Cyril H. Wecht Institute of Forensic Science and Law will continue to search for answers to this 50-year-old mystery and focus on why it is still an important and vital subject of study. Passing the Torch: An International Symposium on the 50th Anniversary of the Assassination of President John F. Kennedy, the institute’s 13th annual conference, will be held on campus October 17-19, and convene a team of international forensics experts, medical professionals and investigators who will speak on the evidence, present examples of ongoing and past investigations, and discuss the history and future of Kennedy assassination study.
The goal of the conference, which is co-sponsored by the Senator John Heinz History Center and other organizations, is not only to review existing evidence and explore new insights and theories on the death of Kennedy, but also to inspire future investigators to “pick up the torch” and continue the search for answers.

This quest is as significant today as it was in 1963 for two main reasons, according to Ben Wecht, the institute’s program administrator.

“First, it can promote a greater awareness and understanding of the role of forensic science in resolving complex events. This case brings together so many aspects of forensic scientific investigation in an unparalleled way, from ballistics to blood spatter to acoustic analysis, and beyond. It really presents a wonderful vehicle for us to instill an appreciation and understanding of forensic science, particularly among future forensics investigators and researchers,” explains Wecht.

“Second,” he continues, “in the realm of history and politics there is the notion that, with the assassination of President Kennedy, changes occurred in American society in ways we still do not understand or appreciate.”

Forensic pathologist Dr. Cyril H. Wecht, the institute’s namesake and advisory board chairman, believes public interest in the assassination is still high and continued study is essential. This is due, in part, he says, to an increasing public belief that the slow and incomplete release of information about the assassination points to a perceived lack of governmental truthfulness in other areas, as well.

“We, as Americans, need to know the truth,” he says. “We need to be aware of matters, such as the Kennedy assassination, that are important to all of us and that, if ignored, have a very dangerous potential.”

Dr. Wecht points to a 2012 survey commissioned by The History Channel in which 2,200 people were asked their opinions of the Warren Report’s conclusions on the Kennedy assassination. In the survey, 85 percent of those polled did not believe that the Warren Report and its single-gunman, single-bullet theory was accurate, he says, “despite the best efforts of the United States government, and they have been extensive.”

Passing the Torch will shed light on the murder from several different angles—through forensics, law, technology and media.

“If this mystery is to be solved,” says Ben Wecht, “it will be through a combination of the release of more governmental records and more sophisticated forensic research to provide a complete picture of what happened.”

Records from intelligence agencies could be used to fill in some of the missing pieces in this puzzle—pieces that will need to be matched up by experts in order to form a more complete picture. However, not all of the pieces have been found to be wholly accurate, says Dr. Wecht, who believes that the mystery has been perpetuated due to the way in which the case was investigated and reported by various agencies, combined with the involvement of amateur investigators who did not have a firm grasp of the subject matter or the authenticity and validity of existing evidence.

“There is so much intrigue, so much cloak-and-dagger material that, I think, people just can’t get enough of it,” says Ben Wecht. “Especially for people of a certain age, the fact that a relatively young man—one who was handsome, wealthy and came from an illustrious family—could lose his life in this way is so very compelling. Not to mention, there’s the whole fascination with the Camelot mythology that grew up around the Kennedy presidency. It’s the life and sudden death of this man that continues to captivate so many people.”

In addition to expert presentations, panel discussions will bring together professionals from different disciplines and points of view for discussion. Breakout sessions will multiply the learning options available to attendees.

Evening events are also being planned, including a Thursday welcome reception and panel discussion at the Heinz History Center.

For more information on The Wecht Institute and Passing the Torch, or to register for the symposium, visit www.duq.edu/jfk, or contact wechtinstitute@duq.edu or 412.396.1330.

October 17-19, 2013
Passing the Torch:
An International Symposium on the 50th Anniversary of the Assassination of President John F. Kennedy
will feature a full slate of events.
Speakers include:

- Dr. Josiah Thompson, a private investigator and author of Six Seconds in Dallas
- Dr. Robert N. McClelland, professor emeritus at the University of Texas Southwestern Medical Center and a former Parkland Hospital surgeon who served as one of Kennedy’s attending physicians
- Dr. Robert K. Tanenbaum, an attorney and expert legal commentator who served as deputy chief counsel to the U.S. House Select Committee on Assassinations (HSCA)
- David Talbot, author of Brothers: The Hidden History of the Kennedy Years and founder and former editor-in-chief of Salon.com
- Dr. Cyril Wecht, who served as a member of the HSCA’s forensic pathology panel, amongst other commissions.
The Producers

DU Alumni & Faculty Partner to Give Students Theatrical Experiences

By Megan Tessler

Synopsis

Shakespeare said “All the world’s a stage” and further explained that men and women are “merely players.” When it comes to a recent Duquesne partnership to bring theater to urban students, the Bard was only partially correct.

The men and women involved in this partnership are actors, but they’re also advocates who realize opening the world of theater to middle school and high school students can change the world by exposing young people to new creative possibilities and opportunities.

The Players

Rose-Anne Vigilante, A’93, GE’10
Joe Jasek, E’09
John Lane, Duquesne’s Director of Theater Arts
Wilkinsburg School District Students and Administrators
Countless Duquesne Alumni Who Have Assisted the Partnership
Act One

Rose-Anne Vigilante’s first exposure to theater was her freshman year at Duquesne, when she became involved with WDSR, the University’s student radio station. Through her work, she became aware of the Red Masquers, Duquesne’s theater company that is open to all students, regardless of major.

“A lot of my friends were in shows and tried to get me to join the Masquers,” says Vigilante. “I finally went to a set building crew at the beginning of my sophomore year and I was hooked.”

While continuing her studies towards her communications degree (she later earned a graduate education degree), she made countless friends while working with the Red Masquers and learned not only about the technical aspects of theater—she worked backstage, as part of the set building crew, as an actress on stage, and as a director—but about how it can help someone grow as a person.

“My involvement with the Masquers really helped to shape me as a person. I gained a lot of self-confidence through the group,” says Vigilante, who met her husband through the group. “Jay Keenan (Duquesne alumnus and retired professor from the McAnulty College and Graduate School of Liberal Arts) and John Lane created this incredible atmosphere where students could grow into themselves. Everyone was so supportive of each other. I can’t begin to explain how important that group is to me. I would not be the person I am today if I hadn’t been a Masquer.”

Her love of theater grew and since graduation, she’s worked on productions for Carlow University, Geneva College, the Pittsburgh New Works Festival, Gemini Children’s Theater and the Red Masquers. When she became an English teacher at Wilkinsburg High School, a district bordering the city of Pittsburgh, three
years ago, the district’s drama club was no longer active. Vigilante quickly changed that by recruiting her Red Masquers friends to help students restart the drama club.

“There is a wealth of research that shows a link between higher attendance rates, test scores, graduation rates, etc., when students are involved in the arts—especially in urban schools,” says Vigilante. “As education budgets continue to decrease, there is less and less funding for the arts. I thought starting a drama club would be a cost-effective way to expose students to theater and the benefits of arts education.”

**Act Two**

Lane was on board from the moment Vigilante approached him about a partnership between Wilkinsburg and the Red Masquers.

“I was all for it,” says Lane. “It was a great way for us to get involved with Wilkinsburg High School and the Wilkinsburg community.”

Lane makes sure the Wilkinsburg students can borrow whatever they need from the Red Masquers, including costumes, props and sets.

“Without Duquesne, our club would not have been able to produce fully realized shows,” says Vigilante.

In addition to borrowing items from the Red Masquers, Wilkinsburg students are invited to Red Masquers productions to either watch the shows or shadow the cast and crew. The results have been phenomenal, according to Vigilante.

“After shadowing a stage manager during *Measure for Measure*, one student decided to pursue a career in technical theater,” she says. The same student was so inspired by her involvement with the drama club that she wrote a modern adaptation of *Romeo and Juliet*, which the drama club performed.

“It gives them an opportunity to express their creativity and make something their own,” says Joe Jasek. He met Vigilante and Lane through the Red Masquers and uses his experience as technical director for Gemini Children’s Theater, an interactive children’s theater company in Pittsburgh, to help the students with their productions.

“I’m mostly in charge of teaching the students about lighting and sound,” says Jasek. “With the help of the students, we are able to make some basic equipment support a quality production.”

Through Jasek’s work at Gemini, one of the Wilkinsburg students was given a scholarship to attend his technical theater class and serve as an assistant stage manager for a production of *Tarzan and Jane.*

**Act Three**

The drama club has been so successful, district parents asked that membership be offered to Wilkinsburg Middle School students. Drama club membership averages about 40 students who have performed three plays in the school’s auditorium and monologues at the annual Black History Month celebration; participated in the City Theatre Young Playwrights program; and competed in the August Wilson Monologue competition at Pittsburgh’s August Wilson Center and the Pittsburgh Public Theater’s Shakespeare Monologue competition. A middle school student recently performed at a Duquesne event at August Wilson’s childhood home in Pittsburgh’s Hill District neighborhood.

Wilkinsburg High School Principal Steve Puskar says his initial thought when reading Vigilante’s proposal about starting the drama club was “go with it.”

“It has a positive impact on the students—it’s a safe place to be, to learn, to grow, to interact, to connect with people outside of school,” says Puskar, who attended Duquesne.

“Having witnessed the excitement and joy in the students and Rose-Anne, you know there’s a positive effect.”

Vigilante is excited to see the results of opening up the arts to her students.

“This provides avenues and opportunities for kids that they haven’t been exposed to,” she says. “Our kids are so creative once they get started.”
I have never left Duquesne University because it has become a part of who I am.

After graduating with a bachelor’s degree in biology in 2005, I received a master’s degree in education in 2006, and am currently working on a master’s degree in pastoral ministry—which was influenced by my participation in Spiritan Campus Ministry as a liturgical volunteer.

The Spiritans of Duquesne have shown me the true grace of God’s love through a sacrifice of service to benefit others which builds the foundational roots of the University. I am proud to say that the Spiritans truly changed my life and have been a guiding influence to me for over a decade.

A Spiritan who I have been blessed to know has been Rev. Ray French, C.S.Sp. I have known Fr. Ray since I was an undergraduate and first became involved in student leadership roles. He has been one of the greatest mentors to ever influence my life. The lessons I have learned from him are lessons that I take into the classroom every day as a teacher; these include a deep respect for life and a commitment to service for others through every day humble acts of kindness and the belief of the good of humanity. Fr. Ray has been involved in two very special events in my life: when I completed the R.C.I.A. program at Duquesne in 2007, and when he married my husband and me at the University Chapel in 2011. It was a true blessing to have Fr. Ray present for these events because he has always been an inspiration to my faith and has walked beside me through every event in my life for over 10 years. Attending Duquesne was the best decision of my life because I have learned by witnessing the acts of the Spiritans that one person can change the world and that the Holy Spirit is alive and present.
Students from the Undergraduate Research Program have participated in three recent projects:

In June, students participated in Tustin Enhancement Day, focused on beautifying property in Pittsburgh’s Uptown neighborhood. Students helped plant ornamental grasses, clean up garbage, and paint benches, a swing set and a picnic table.

Also in June, students volunteered at ReStore, owned and operated by the Greater Pittsburgh Chapter of Habitat for Humanity. Students collected donated items in the warehouse, priced them and set them for display in the store, and also tested the donated items to determine if they were in working order.

Murphy’s Bottom, a 100-acre site located along the north bank of the Allegheny River about 40 miles from Duquesne, is the site of an ongoing habitat mitigation project. In 2006, the Pennsylvania Department of Environmental Protection approached representatives of the Bayer School of Natural and Environmental Sciences at Duquesne about the Murphy’s Bottom Ecological Project, which aims to guide the reclamation, development and subsequent use of the site.

Murphy’s Bottom site, including: habitat creation and enhancement, long-term biological studies and educational activities. The purpose of this field work activity is to establish baseline data on the mixed mesophytic woodlands at Murphy’s Bottom. Students learned how to take tree measurements, techniques for identifying tree species, and how to record tree data and compile a tree inventory.

Members of the Student Occupational Therapy Association are committed to raising funds for a scholarship for Tanzania occupational therapy students at the Kilimanjaro Christian Medical Centre University in Moshi. A recent check was presented by Dr. Anne Marie Hansen, assistant professor, as a token of support during her summer trip to Africa.
More than 800 junior and senior high school students from 85 local schools will come to campus in February to explore their interests in science.

Duquesne will host the Pennsylvania Junior Academy of Science (PJAS) Competition, Region 7, on Feb. 1, 2014. PJAS, a statewide, nonprofit organization of junior and senior high school students and teachers, is designed to stimulate and promote interest in science, technology, engineering and math (STEM) through the development of research investigations. This is the first time in the history of PJAS that the Region 7 competition will be hosted by an institution of higher learning.

“We are proud to host an event of this magnitude on our campus,” says Paul-James Cukanna, associate provost. “It’s a great opportunity for us to bring so many junior and high school students, teachers and parents to campus, and showcase the University through the staff, facilities and amenities that they’ll experience throughout the day. Our colleagues in the Bayer School of Natural and Environmental Sciences are leaders in developing opportunities and unique programming that brings a unique mix of talented students to campus.”

Students will present their research at Duquesne, where it will be evaluated by judges, who will score the students in each of five independently-evaluated criteria. The best research projects and papers from the competition will be presented at an annual state meeting.

By hosting the competition, Duquesne will get to participate in a program that aligns with the University’s mission of serving students, as well as showcase the University’s science-based initiatives.

“This competition is an excellent way to get high school students excited about science,” says Dr. Philip Reeder, dean of the Bayer School of Natural and Environmental Sciences. “It’s important because we need to develop our pipeline of future scientists who will help uncover critical knowledge in our rapidly changing world.”

Duquesne is more than just the host of the competition. The University will provide staffing and other resources, some of which will be donated or provided at a reduced cost. Duquesne also has reached out to the corporate community with sponsorship opportunities that will further enhance the competition while reducing event costs.

“PJAS provides a platform from which teachers can challenge their students to explore the fascinating world of scientific research. Science and technology are the paths to the future. What better way to involve young people in their future than to engage them in scientific research,” says Susan Morgan, director of PJAS Region 7.

“We look forward to our upcoming competition and showcasing the work of our talented students at Duquesne University.”

For more information, please visit www.pjas/region7.
Research Update

Recently, Duquesne researchers have been focusing on studying reef-like structures in a remote part of Australia, exploring genetic mysteries of the golden eagle, working to untangle the mechanism of the Fragile X mental retardation protein, and figuring out how cell membrane composition influences protein function.

$304,000 NIH Grant Funds Study of Cell Metabolism

While medical advances constantly conquer new challenges, some very basic questions about how cells function remain unanswered. Research led by associate professor of biology Dr. Jana Patton-Vogt through a $304,000 grant from the National Institutes of Health will examine some of the mysteries of cell metabolism. Far from the glamorous work of creating cures, this basic science deals with subjects and samples that usually fly far under the radar of science news headlines: yeast cultures and the composition of cell membranes. Yet, Patton-Vogt’s work could have far-reaching implications, adding to the knowledge of diseases such as obesity, diabetes and cancer.

Cell membranes were once thought to be mere bystanders to cellular activity and cellular survival, says Patton-Vogt. But in the past 20 years, researchers have determined that membranes do much more than serve as barriers. Cell membranes are composed of various proteins sandwiched between two layers of lipids. These lipids are continuously synthesized and degraded in response to environmental cues. The lipid composition of a membrane affects the function of the proteins embedded in it. So, cell membranes play critical roles in cell function.

How does membrane composition influence protein function? That’s the mystery Patton-Vogt and her team of graduate and undergraduate students seek to better understand.

Preliminary results from the team show strains of yeast engineered to have specific mutations in genes that affect plasma membrane lipid composition exhibit growth defects and decreased ability to take up nutrients. These results suggest that certain proteins embedded in the plasma membrane are not functioning correctly.

Patton-Vogt is optimistic that her students will be able to shed light on which lipids interact with and affect the function of specific proteins. In turn, these proteins impact the cell’s fitness.

“This research will help us to understand cell biology at a very fundamental level,” says Patton-Vogt.

NIH Grant Supports Research of Most Common Inherited Mental Disability

Researchers know that the absence of a normal protein leads to Fragile X syndrome, the most prevalent inherited form of intellectual disability. But the exact mechanisms by which the loss of this protein causes the symptoms of Fragile X syndrome are unknown.

The Eunice Kennedy Shriver National Institute of Child Health and Human Development, an arm of the National Institutes of Health (NIH) that includes Fragile X research as a priority, awarded a grant of more than $394,000 to Dr. Rita Mihailescu, associate professor in the chemistry and biochemistry department. Mihailescu and her team have been working to untangle the mechanism of the mysterious Fragile X mental retardation protein (FMRP) for about nine years, striving to understand exactly how the protein exerts its regulator function.

With this three-year grant, Mihailescu and her seven student assistants will focus on applying biophysical methods to elucidate how the protein works.

Mihailescu will collaborate with Dr. Gary Bassell of Emory University, whose work with live neurons complements her research. The collaboration brings together two teams with different expertise working toward a common goal: to contribute to our understanding of how FMRP exerts its function in the cell.
A Look Into the Past: Studying Stromatolites in Australia

Dr. John Stolz, professor of biology and director of the Center for Environmental Research and Education, recently traveled to Hamelin Pool Marine Nature Reserve in the Shark Bay World Heritage Site of Western Australia to study stromatolites—reef-like structures that form a living community of microorganisms.

The stromatolites are formed in shallow water by the trapping, binding and cementation of sediment by microorganisms. These living organisms provide the most ancient records of life on Earth by fossil remains.

Stolz partnered with Dr. Pam Reid, professor at the University of Miami’s Department of Marine Geology and Geophysics, whose long-term goal is to map the entire Hamelin Pool to show the diversity and distribution of its stromatolites and the organisms forming them. The research can be dangerous, with stinging jellyfish and poisonous sea snakes prevalent in the area.

“A single bite from a sea snake can be fatal,” says Stolz, who had a close encounter with a snake during his trip.

Stolz and Reid looked at different microbial communities forming the structures of reefs. While the stromatolites have been studied by geologists for decades, Stolz says biologists and ecologists have just begun researching the communities in any detail.

“It’s the ecology that leaves behind this rock record,” says Stolz. “If we can tease apart some of the ecology and the community diversity, we have a better window on what life was like hundreds of millions of years ago.”

Biology Team Recognized for Research of Mysterious Golden Eagle

Earlier this year, the U.S. Forest Service recognized associate professor of biology Dr. Brady Porter and graduate student Maria Wheeler as contributing members of the Eastern Eagle Working Group, an international collaboration of 20-plus institutions that formed in 2010 to learn more about the golden eagle and its habits, with a focus on large-scale conservation.

Compared to its bald cousin, the golden eagle remains an enigma. Scientists wanted to learn how many goldens live in the East and where. Separated by mountains and flyways, are they a different subspecies from the eagles in the West?

“Our part of the story was genetics, which hadn’t been looked at before,” says Porter.

Porter and Wheeler found that Eastern and Western eagles genetically are the same. But their genetic study could have implications beyond bird populations. Because this study covers the time before Western goldens were reintroduced in the East (the 1980s through early 2000s) as well as afterward, it could impact future reintroductions being managed to maintain groups’ genetic integrity.

Wheeler received grants from the American Museum of Natural History, the Columbus Zoo and Aquarium and the Raptor Research Foundation for genetic studies, setting a genetic baseline for the last century.

Scientists got up close and personal with the birds when they waited hours to cast nets over this premier predator, whose talons can slice through the thickest leather gloves. More than a cup of courage and permits of all sorts are involved. But so are 30 thrilling minutes with one of nature’s masterpieces as the birds are examined, banded and equipped with telemetry.

“On one hand, you know that these birds are fierce predators, but at the same time, they are so light. They weigh about as much as a gallon of milk,” says Wheeler, who traveled to Canada and Sweden to compare eagle genetics.
Dr. Aimee Kane, School of Business Administration, $16,800 of Year 2 on a subcontract from Carnegie Mellon University from a National Science Foundation grant for Voss Collaborative Research: Sharing Insights Across Multiple Virtual Organizations. This brings the total award amount to date to $33,600.

Dr. Melanie Turk, School of Nursing, $9,939 from a Faculty Development Fund Award for Exploring African Immigrants Perceptions and Practices Around Healthy Eating and Physical Activity Through Photovoice. Dr. Rick Zoucha, School of Nursing, is a co-investigator. The period of the award extends through April 30, 2015.

Dr. Elizabeth Hughes, Department of Counseling, Psychology and Special Education, School of Education, $2,500 from the 2013 IRA Esther Zolt Academic Research Grant from the International Reading Association for Motivating Students to Achieve: The Impact of a Pen Pal Program on Students’ Achievement and Motivation.

The School of Education, $65,000 in additional funding from The Heinz Endowments to provide tuition to fund master’s level study for the Heinz Fellows Program. The funds will be administered by Education Dean Dr. Olga Welch. This brings the total award amount to date to $299,156.

Dr. Jennifer Aitken, Department of Chemistry and Biochemistry, $144,000 from the National Science Foundation for Year 2 for Optical, Electrical and Magnetic Properties of Multi-Cation Diamond-Like Semiconductors: Intricate Semiconductor Systems for Physical Property Tuning. The total award amount to date is $284,000.

Small Business Development Center (SBDC), $186,460 in additional funding from the Small Business Administration. Dr. Mary McKinney, SBDC director, will administer the award. This brings the total award amount to date to $236,742.

Center for Environmental Research and Education (CERE), $37,500 from the Institute of Professional Environmental Practice to be used for public service. Dr. John Stolz, CERE director, will administer the award.

The Department of Biological Sciences, $1,000 undergraduate research award from the American Society for Biochemistry and Molecular Biology for Shreya Patel. The faculty sponsor is Dr. Sarah Woodley.

The Department of Biological Sciences, $1,000 undergraduate research award from the American Society for Biochemistry and Molecular Biology for Matthew Kocher. The faculty sponsor is Dr. Joseph McCormick.

Dr. John Stolz, CERE and the Department of Biological Sciences, $10,000 from the Colcom Foundation to defray the costs of the Shale Gas Extraction Research Conference.

Dr. Nancy Trun, Department of Biological Sciences, $6,017 on a subcontract from Juniata College from the National Science Foundation for RCN-UBE-GCAT-SEEK: The Genome Consortium for Active Undergraduate Research and Teaching Using Next Generation Sequencing.

Drs. Jeffrey D. Evanseck and Jeffry D. Madura, Department of Chemistry and Biochemistry, $300,000 from the National Science Foundation for Integrated Computational and Experimental REU Site.

Dr. Stan Kabala, Dr. John Stolz and Dr. Brady Porter, CERE and the Department of Biological Sciences, $29,448 from the West Virginia University Foundation Water Research Institute and Center for five mini-grants to various agencies for the Allegheny Northern QUEST project. This brings the total award amount to date to $129,448.

Dr. Anne Marie Hansen, Department of Occupational Therapy, $5,000 from the Frederic W. Sammons Family Foundation to survey the state of occupational therapy professional education in Africa.

Dr. Aleem Gangjee, School of Pharmacy, $15,231 in additional funding for the second year of an award from the National Institutes of Health, National Institute of Allergy and Infectious Diseases, for Pneumocystis jirovecii Targeted Antiopportunistic Agents. This brings the total award amount to date to $738,650.

Dr. Brady Porter, Department of Biological Sciences, $11,851 subcontract from The Pennsylvania State University, administered by the PA Water Resources Research Institute Annual Base Program FY 2013/2014 through the U.S. Geological Survey, for Range Expansion and Genetic Population Structure of Five Pennsylvania State Threatened Fish Species Using Environmental DNA and Molecular Genetic Techniques.

Dr. Rehana Leak, School of Pharmacy, $75,000 from the Michael J. Fox Foundation for Parkinson’s Research for Topography of Vulnerability to Alpha-synuclein Fibris in the Cerebral Cortex.

Dr. Jeffry Madura, Department of Chemistry and Biochemistry, $268,235 for Year 5, from the National Institutes of Health, National Institute on Drug Abuse, for CRCNS: Computational and Experimental Study of Dopamine and Serotonin Transporter. This brings the total award amount to date to $1,468,144.

Dr. Ben Kolber, Department of Biological Sciences, $20,000 in an Early Career Research Grant, from the International Association for the Study of Pain and the SCAN | DESIGN Foundation, for Probing the Role of Hemispheric Lateralization in the Modulation of Bladder Pain.

Drs. Jeff Evanseck, David Seybert, Jeffry Madura and Ralph Wheeler, Department of Chemistry and Biochemistry, and Dr. Alexandra Santau, School of Education, $617,850 from the National Science Foundation for Scholarships for Academically Talented and Financially Disadvantaged Undergraduate and Graduate Students.
**The Learning Skills Center**, $9,248 from the Pennsylvania Higher Education Assistance Agency for the Program for Academic Excellence. This brings the total award amount to date to $62,400. Dr. Judith Griggs, director, is the award administrator.

**The Cyril H. Wecht Institute of Forensic Science and Law**, $2,500 from The Elsie H. Hillman Foundation to support the institute’s programs. Dr. Fred Fochtman, director, and Ben Wecht, program administrator, will administer the funds.

**Dr. David Lampe**, Department of Biological Sciences, $6,000 Hunkele Dreaded Disease award for Genetic Resources for Asaia Bogorensis, a Promising Paratransgenesis Bacterium for Use Against the Transmission of Malaria.

**Dr. Matthew Kostek**, Department of Physical Therapy, $6,005 Hunkele Dreaded Disease award for A Combined Treatment Therapy to Reduce Inflammation, Increase Utrophin and Improve Function in Duchenne Muscular Dystrophy.

**Drs. Jeff Evanseck and Jeffry D. Madura**, Department of Chemistry and Biochemistry, $80,869 Year 3 funding from the National Institutes of Health, National Institute on Drug Abuse for A Joint Computational/Experimental Biomedical Summer Research Program for Undergraduates. This brings the total award amount to date to $254,435.

**Dr. Michael Cascio**, Department of Chemistry and Biochemistry, and **Dr. David J. Lapinsky**, Mylan School of Pharmacy, co-investigators, $165,000 from the National Institutes of Health, National Institute of Mental Health, for Year 1 funding of Photoprobe for Identifying Potential Anti-depressant and Anti-anxiety Medication.

**The physics department**, an additional $9,300 from the Jefferson Laboratory, Newport News, Va., for Data Analysis of Gas Electron Multipliers (GEMs) for a Ring Imaging Detector. This brings the total award amount to date to $16,300. The project principal investigator is visiting professor Dr. Fatiha Benmokhtar.

**The School of Pharmacy**, $10,000 from the PNC Charitable Trust for support of the Hill District Center for Pharmacy Services Community Outreach Initiative. The funds will be administered by Pharmacy Dean Dr. Douglas Bricker and Dr. Terri Kroh.

**Maria Wheeler, student of Dr. Brady Porter**, Department of Biological Sciences, $1,100 from a Chapman research grant through the American Museum of Natural History.

**Dr. Ellen Gawalt**, Department of Chemistry and Biochemistry, $50,112 from the Pennsylvania Department of Health’s Commonwealth Universal Research Enhancement (C.U.R.E.) program to be used for Regulators From Biofilm Formation in the Pathogenic Fungus, Candida Albicans.

**School of Law**, $250,000 from the Allegheny County Redevelopment Authority’s Economic Development Community Infrastructure & Tourism Fund to be used to renovate the Law Clinical Education Building. Mark Minoski, director of design and construction, Facilities Management, will administer the award.

**Office of Research**, $25,000 from a subcontract from Urban Innovation 21, funded by an anonymous donor, to be used as a planning grant for a hybrid maker lab project. Dr. Alan Seadler, associate academic vice president for research, will administer the award.

**Dr. Jennifer Aitken**, Department of Chemistry and Biochemistry, $2,500 from the Pittsburgh Section of the American Chemical Society for the Project Seed Program, which provides opportunities for economically disadvantaged high school students to work in the chemistry labs at Duquesne under the direction of faculty members. This brings the total award amount to date to $133,161.

**Dr. Rita Mihaiiescu**, Department of Chemistry and Biochemistry, $394,240 from the National Institutes of Health’s Eunice Kennedy Shriver National Institute of Child Health and Human Development for Fragile X Mental Retardation Protein Translation Regulator Function: Interactions with the microRNA Pathway and Beyond. The award extends until March 31, 2016.

**Dr. Aleem Gangjee**, Mylan School of Pharmacy, $141,166, Year 3 of an award from the National Institutes of Health’s National Cancer Institute for Water Soluble Antimitotics That Circumvent Tumor Resistance. This brings the total funding to date to $737,195.

**Dr. Vincent Giannetti**, Mylan School of Pharmacy, $3,500 from Reckitt Benckiser Pharmaceuticals Inc. for a community education seminar Chemical Dependency: Identification, Diversion and Prevention.

**Duquesne University Tamburitzans**, $9,704 from Pennsylvania’s Council on the Arts. Paul Stafura, managing director, will administer the award.

**SBDC**, $10,000 from the Urban Innovation 21 program, to be used to provide consulting services for Urban Innovation 21. The award will be administered by Dr. Mary McKinney, director of the SBDC.

**Dr. Peter Wildfong**, School of Pharmacy, $5,500 from Strategic Process Control Technologies, LLC, to be used to carry out an analysis of solid pharmaceutical samples.

**Dr. Ben Kolber**, Department of Biological Sciences, $19,500, and **Dr. Kevin Tidgewell**, School of Pharmacy, $15,500, from the American Pain Society, for a multi-school collaboration/project titled Cyanobacterial Natural Products to treat Comorbid Pain and Depression.

**Dr. Aleem Gangjee**, Mylan School of Pharmacy, $85,293, Year 3 subcontract from Wayne State University on a grant from the National Institutes of Health’s National Cancer Institute for Discovery of Novel PCFT Targeted Agents. This brings the total funding to date to $474,620.

**SBDC**, $1,000 for the Special Projects budget to be used to implement various public service projects. The award will be administered by Dr. Mary McKinney, SBDC director.
New $617,000 NSF Grant to Fund Scholarships in Chemistry

The Bayer School of Natural and Environmental Sciences and the School of Education have received a $617,850 grant from the National Science Foundation—money earmarked for scholarships for academically talented, financially challenged undergraduate and graduate students through the Scholarships for Science, Technology, Engineering and Mathematics (S-STEM) program.

The program will provide opportunities for social mobility and meet workforce needs. Starting this fall, the new initiative will support eligible undergraduate and graduate chemistry majors who are enrolled at Duquesne or who transfer to the University from community college. In the first year, one graduate mentor will be teamed with three freshmen and two junior chemistry majors. Within five years, the cohort will support nine freshmen, five community college transfers, two upperclassmen and three doctoral chemistry students.

“We will impact a wide range of academically talented and proven students, and help them financially to get a first-rate educational experience at Duquesne University,” says Dr. Jeffrey Evanseck, professor of chemistry and biochemistry, who is the principal investigator for the grant. “We want to utilize local talents and attract our best students to the sciences.”

“This is a way of increasing diversity in the STEM workforce from an economic perspective,” adds Dr. David W. Seybert, chemistry professor and a grant co-investigator who served as dean during the application.

Catching Up With Margaret Lee

By Megan Tressler

There is an old Korean saying that goes: You have to work the soil to get to the harvest.

When Margaret Lee, M’66, looks back over her life, she remembers many challenges—now, she’s enjoying her harvest.

Lee spent three years of her childhood as a refugee, pushed from her home by the violence of the Korean War. Musical talent brought her to our Bluff, where she was mentored by kind priests, professors and fellow students, and honed her craft to lead her to a prestigious position with the Houston Symphony.

“The Holy Spirit has been leading me my whole life,” says Lee. “I look back and feel very fortunate.”

As a young girl growing up in Seoul, Korea, Lee never thought about being a musician. She remembers that before the war, her mother played a traditional Korean instrument, listened to classical music on the radio and played old-fashioned phonograph records—this inspired Lee’s love of classical music.

The Korean War started when Lee was 8 years old. Her family fled to the port city of Pusan (also known as Busan) to ride out the war, along with many other refugees. While there, Lee contracted tuberculosis and missed more than a year of school.

“It was a really terrible time,” says Lee.

After the war, when her family returned to Seoul, Lee entered high school, where music theory classes were part of the curriculum. Those classes sparked her love for musical composition, and a teacher suggested she learn to play an instrument to further her composition skills. She chose the cello. Her parents were not happy.

“My folks were totally against it—they thought musicians were poor and it was very unladylike,” says Lee. “They were upset I even talked about it.”

She pulled back from the idea of playing the cello until she saw cello students playing in a school competition. She thought she could compete with the most talented cello players in her school and decided to approach her parents.
The Offices of Admissions and Financial Aid, the Center for Teaching Excellence (CTE) and the School of Education also are involved in this concerted effort.

Capable students from disadvantaged backgrounds, often first-generation college students, are most likely to start at community college or opt for public instead of private education. They are more apt to complete degrees on time when they are provided with academic support and their non-academic skills, such as leadership, are reinforced.

Integrated mentoring to address both academic and non-academic issues sets this program apart, and CTE’s mentoring resources will be tailored to this group, says Laurel Willingham-McLain, CTE director.

While helping individuals achieve their potential, the initiative will have wider impact. With increased international demand in STEM fields, the U.S. will need to recruit more homegrown talent to remain competitive.

“The talent is out there,” says Evanseck.

In addition to Seybert, Evanseck’s co-investigators include Drs. Ralph Wheeler, Jeffry Madura and Ellen Gawalt of the Department of Chemistry and Biochemistry, and Drs. Alexandra Santau and Connie Moss of the Department of Instruction and Leadership in Education, who will be involved in assessment and training. Drs. Michael Cascio, Rita Mihailescu, Tomislav Pintauer and Stephanie Wetzel from the chemistry and biochemistry department will design and employ advanced workshops to enhance the educational experience for the S-STEM students over the academic year.

The program is supported by the Pennsylvania Administrators’ Council on Education, the Community College of Allegheny County, Bayer Material Science, the Bayer USA Foundation and the regional Pennsylvania Junior Academy of Science.

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again about playing the instrument. When her parents found out she was serious about the cello, they supported her decision and even arranged for her to work with the top cello teacher in Korea. She was 16.

Her talent grew, as did her love for the cello. After two years at Seoul National University, she decided that in order to expand her musical knowledge, she would have to travel abroad. By chance, a priest she knew, Fr. Alexander Lee, was in Pittsburgh to do missionary work for the Korean diocese. He met the dean of Duquesne’s music school at the time, Dr. Gerald Keenan, and put Lee in touch with him. Lee ended up winning a full scholarship to study music at Duquesne.

“I vividly remember the first time I went there (to Duquesne),” says Lee. “I remember going to the basement cafeteria—everyone was so lively.”

She spoke very limited English and tried to keep up with her academic subjects, which was difficult.

“There were many examples of kind-hearted people,” she says, remembering many professors and the Franciscan Sisters of the former St. Francis Hospital who helped her navigate through 1960s Pittsburgh.

“My surroundings in Pittsburgh were first class—people were so decent.”

She recalls Joseph Willcox Jenkins, professor emeritus in the Mary Pappert School of Music, and his wife taking her to see Mary Poppins.

“I remember the whole attitude of the school was one of gentleness and kindness,” says Jenkins. “It was a wonderful group of faculty and I was honored to be one of a very kindly group.”

After graduating from Duquesne, Lee pursued graduate studies at the New England Conservatory of Music in Boston. She went on to play cello for the Houston Symphony, a position she still holds and loves.

“You get to experience the depth of music in such different ways than playing solo music alone,” she says, about playing in an orchestra. “Music touches you inside, it goes down deep inside of you and puts you in a different world. It makes you think, makes you cry, or makes you happy—it’s a very powerful thing.”

These days, in addition to spending her time playing music, she enjoys doting on her baby granddaughter, Marissa, and spending time with her son, Eric Deutsch, daughter-in-law, Methinee, and husband, Marc Miller.

Miller accompanied her on a trip to Pittsburgh in December, as did former University president Fr. Donald Nesti, who is a close friend of the couple. It was her first trip back to our Bluff since graduation. While on campus, she made the final arrangements for a scholarship to help music students, an idea she had been contemplating for several months.

“The school was so wonderful to me,” says Lee. “I wanted to give back; it was long overdue.”

She looks forward to helping music students through the scholarship, and is invigorated by reconnecting with her alma mater.

“It’s a different campus,” she says, with a laugh. “The music school is beautiful—I’m so impressed.”

When she reminisces about her journey—which also includes a three-year period she couldn’t play the cello because of injuries sustained in a car accident—she is grateful for the blessings of her “harvest.”

“I feel very fortunate that I had all of this great support and have lived long enough to really think about it and have a chance to thank people, and—most of all—express my gratitude and thanks to the guidance of the Holy Spirit in my life,” says Lee.
ATHLETICS UPDATE

The Atlantic 10 Continues to Grow

The Atlantic 10 Conference will have a new look in both 2013-14 and 2014-15 with the addition of two new member institutions.

George Mason University, formerly a member of the Colonial Athletic Association, will compete as a full-time A-10 member this fall, while Davidson College will become a league member in July of 2014.

George Mason, located in Fairfax, Va., is the third Virginia-based institution—joining Richmond and VCU—in the Atlantic 10 and the second in the Washington, D.C., metro area along with George Washington.

“George Mason University is an excellent addition to the Atlantic 10 Conference,” says Chair of the A-10 Council of Presidents and President of The George Washington University Dr. Steven Knapp. “The Patriots share both our strong commitment to intercollegiate athletics and our academic values. We’re delighted to welcome George Mason to the A-10 at a moment when the conference is enjoying unprecedented strength.”

“I am honored and excited to welcome George Mason to the Atlantic 10 Conference. They are a perfect fit for our league with world-class academic programs and a nationally successful intercollegiate athletic program,”

Duquesne has announced the establishment of its first formal association of former student-athletes. The Varsity “D” Club welcomes players, coaches, managers and athletic trainers who participated in any of the University’s intercollegiate teams in any era, including those from sports not currently sponsored.

Members of Varsity “D” enjoy enhanced opportunities to maintain and build relationships with alums in their former sport in addition to networking with those who participated on other teams during their time on our Bluff. Members are also afforded the opportunity to attend exclusive reunions and events, as well as extend their enthusiasm and support to today’s student-athletes.

“Varsity ‘D’ connects the history and tradition of Duquesne athletics with today’s student-athletes,” says Bryan Colonna, director of athletic development and a former Dukes football player. “Though we played different sports at different times, we are all part of one family. Your participation strengthens this bond and provides an example of lifelong support and involvement that will inspire our Dukes, as individuals and teams, today and for years to come.”

All qualifying alumni are automatically members of Varsity “D.” There are currently no dues, but alumni are encouraged to register to ensure they receive all member communications and benefits. The online form may be found at www.MyDuquesne.duq.edu/varsity-d. All registered members will receive a complimentary Varsity “D” window decal.

Be sure to “like” Varsity “D” on Facebook (www.facebook.com/VarsityD) and follow Varsity “D” on Twitter (www.twitter.com/varsityd1) to stay up-to-date on news and events.

The inaugural Varsity “D” Club event will be held on Saturday, Oct. 12 during Homecoming and Reunion Weekend 2013 at the Post-game Tent Party on A-Walk from 4–7 p.m. There is still time to register for all of the weekend’s events at www.duq.edu/Homecoming.

For more information, or to volunteer as a team captain for your sport, contact Bryan Colonna at 412.396.5927 or Renee Bestic at 412.396.1292.
2013 FOOTBALL PROMOTIONS

A number of promotions have been scheduled for the 2013 Dukes football season. Here is what to look for at DU’s five games on our Bluff. Please check GoDuquesne.com for updates.

2013 Football Ticket Prices
Season Tickets:
- Reserved $50
- General Admission $40
- DU Faculty & Youth (General Admission Only) $25
Individual Game Tickets:
- Reserved $15
- General Admission $10
- Kids (12 and under) $5
- DU Faculty and Staff (w/ID) $5
Group Tickets:
- Groups (10 or more) General Admission $5
Military:
- Free with ID (Day of Game Only)

Albany
August 31 at 12:10 p.m.
DUKES KICKOFF
First home game of the 2013 season; Freshmen Frenzy promotions for the newest Duquesne students on campus.

West Liberty
October 5 at 12:10 p.m.
DUKE OUT CANCER
Help us Duke Out Cancer in our annual Breast Cancer Awareness game. Fans who wear PINK will receive 50% off a GA ticket (regularly $10). ZTA Sorority will be there selling pink balloons for Breast Cancer Awareness in memory of loved ones lost or still fighting.

Wagner
October 12 at 1:10 p.m.
HOMECOMING
Help us welcome back Duquesne Alumni during the annual football Homecoming Game. We will also honor our Dukes through the Decades and at halftime, we’ll announce the 2013 Homecoming King & Queen.

Saint Francis, Pa.
November 2 at 6:10 p.m.
YOUTH FOOTBALL & CHEER DAY (Take a Kid to the Game)/ MILITARY APPRECIATION DAY
Buy one GA ticket ($10 for adults, $5 for youth, DU faculty & staff), get one free! Youth Football Team & Cheer fan tunnel for the team, as well as a halftime procession on the field. All military free with ID—salute to our soldiers throughout the game.

Central Connecticut State
November 16 at 12:10 p.m.
SENIOR DAY
Join us as we recognize the 2013 Senior Class. Help us congratulate our senior football players, pep band and spirit squad members in their last home football game of the year.
Symposium Examines Inequities with Students, Schools and Communities

Educational leaders from the U.S. and Canada convened in the Power Center Ballroom in May for the 6th annual Duquesne Educational Leadership Symposium.

The three-day symposium, which was hosted by the University Council for Educational Administration (UCEA) Center for Educational Leadership and Social Justice, focused on the theme Action, Advocacy and Research: Challenging Educational Inequities with Students, Schools and Communities.

The UCEA Center for Educational Leadership and Social Justice—one of only eight UCEA centers in the world—seeks to investigate the relationship between educational leadership and social justice, particularly how educational leaders can be better prepared and equipped to work with marginalized, under-represented and underserved students.

Nursing Doctoral Students Go Abroad for Cultural Understanding

In June, 30 doctoral students from the School of Nursing traveled to Italy to gain firsthand experience with health care in another culture.

The students closely observed the Italian health care system in two different hospital settings: a public hospital in Rome and a hospital in Palermo that specializes in organ transplantation.

Dr. Rick Zoucha and Dr. Melanie Turk led the group.

“We aim for a cultural immersion experience that will provide our doctoral nursing students with a greater appreciation of the experiences and health needs of immigrants, refugees and people of other cultures in the United States,” says Zoucha.

Jordanoff’s Career Honored

Christine Jordanoff, renowned choral conductor, educator and performer in the Mary Pappert School of Music, was the guest of honor at a special retirement celebration in May in the Power Center Ballroom.

A member of the music faculty for more than 40 years, Jordanoff dedicated her life to educating the next generation of musicians and music educators through her work as director of choral organizations and professor of music education in the music school, and as artistic director and conductor of the Children’s Festival Chorus of Pittsburgh.

“Throughout her career at Duquesne, Professor Christine Jordanoff consistently demanded the highest possible musical standards and demonstrated them in her teaching and performing,” says Music Dean Dr. Edward Kocher. “Her unselfish collaboration with Spiritan Campus Ministry and our voice and opera program established a remarkable standard for teamwork and cooperation.”
Palliative Care and Ethics Conference Addresses Health Care’s Final Questions

The power of contemporary medicine is strong—so strong that, at times, sick patients and their families feel compelled to try every avenue to extend life. But is that what people want and need?

The Palliative Care and Ethics Conference, held in May, examined the ethical, philosophical and religious issues that arise in daily care for patients at the end of life. Hosted by the Center for Healthcare Ethics, the conference provided speakers, break-out groups and case discussions to expand understanding of end-of-life care and the capacity to deal with these issues.

Many patients want to discuss end-of-life care, but communication is delayed or lacking, according to Dr. Henk ten Have, director of the Center for Healthcare Ethics. Overwhelming evidence from many studies, ten Have says, shows that most patients in the last six months of life prefer care and pain/discomfort relief over life-sustaining procedures. Broaching that difficult subject formed the foundation of the conference.

Sizemore Conference Focuses on Racial Equality in Education

Educators and members of the Pittsburgh community gathered in May to discuss the topic of racial equality in education at the 4th annual Dr. Barbara A. Sizemore Summer Conference.

The symposium, hosted by the School of Education’s Barbara A. Sizemore Urban Education Initiative, is designed to shed light on issues related to improving education for all students, particularly those in urban schools. Sizemore, for whom the conference is named, was an educator, researcher and administrator who sought to make a quality education equally accessible to all students regardless of race, ethnicity or socioeconomic class.

This year’s conference focused on the theme Education as a Practice of Freedom: Continuing the Legacy 150 Years After the Emancipation Proclamation. Featured events included keynote presentations by educators and renowned experts, educational workshops and a question-and-answer panel session.

Digitization of Newman Archive to Include Unpublished Works

The effort to digitize tens of thousands of documents authored by one of the most important and prolific Christian thinkers of the past 200 years has been launched through a transatlantic collaboration, creating a ground-breaking digital humanities project.

The three-year, $500,000 project to digitize John Henry Cardinal Newman’s enormous handwritten archive is funded and initiated by the Pittsburgh-based National Institute for Newman Studies in affiliation with Duquesne University. The project will synchronize online searchability and cataloguing with the location of original documents at the Birmingham Oratory in England, where Newman served as a Catholic priest after his conversion from the Church of England.

With a digital library and research platform created by Crivella West Inc. of Pittsburgh, this robust, full-text anthology of Newman’s work could serve as a model for future similar large-scale projects. The imaging will be completed by The University of Manchester’s John Rylands Library.

The project will make Newman’s influential voice more accessible to scholars and the public. Should Newman continue on the path to sainthood, this archive may become a critical resource to the Vatican. In 2010, Newman was beatified by Pope Benedict XVI, the final stage before being declared a saint.
1960s

Ann Barnum Marchioni, E’61, and Ron Marchioni, P’58, celebrated their 50th wedding anniversary with a transatlantic crossing followed by a cruise on the Mediterranean.

Carol (Mamula) Morgan, A’63, won third place in the annual Church of the Annunciation show and sale for her watercolor Cupola at St. Francis. It was painted on the grounds of the Franciscan Monastery in Washington, D.C. She has been studying and exhibiting her paintings, drawings and sculptures for the past 30 years.

Dorothy Ranaghan, A’64, still lives two blocks from Duquesne’s campus. After receiving a master’s degree in theology from the University of Notre Dame, she has been involved with writing and editing Christian books and magazines, doing pastoral counseling, giving retreats and speaking at conferences for more than 40 years. Her latest book, Blind Spot: War and Christian Identity, was published in 2011. She and her husband have six children and 15 grandchildren.

Clare E. Wherley, CPA, CFP, A’66, was selected as one of the 2013 Five Star Wealth Managers. To receive this award, “a wealth manager must satisfy 10 objective eligibility and evaluation criteria that are associated with wealth managers who provide quality services to their clients.” She is CEO and co-founder of Lassus Wherley, with offices in Florida and New Jersey.

1970s

Fredrick H. Bender, P’72, Pharm.D.’75, FASHP, received the Pharmacist of the Year award from the South Carolina Society of Health-System Pharmacists. He is currently director of pharmacy for the Greenville Health System in Greenville, S.C., and former director of pharmacy for Saint Vincent Health System in Erie.

Maureen Campbell, E’74, recently retired from Harrisburg Area Community College, Lancaster Campus, as associate dean of academic affairs after 22 years. She began her career as an elementary teacher in Pittsburgh schools. She then went on to work in higher education for 30 years at Pennsylvania State University and HACC in a variety of administrative positions.

Charles L. Marshall, S’74, GS’77, has been awarded the Fellow of the American Industrial Hygiene Association (AIHA) Award for 2013. This was established “to identify AIHA members that have made recognized contributions to industrial hygiene or related disciplines either through research, leadership, publications, education or service to AIHA.” He received a Ph.D. in civil engineering and environmental sciences from the University of Oklahoma and is a certified industrial hygienist and founder of Marshall Environmental Management, Inc., a consulting firm in Oklahoma City that specializes in Environmental, Health and Safety (EH&S). He is an associate professor at Southeastern Oklahoma State University, where he teaches EH&S related courses for the Aviation Sciences Institute.

David Pollock, L’74, founding partner of the family law firm Pollock Begg Komar Glasser & Vertz LLC, was named recipient of the 2013 Special Achievement Award from the Pennsylvania Bar Association (PBA). He was recognized, “in part, for his dedication and commitment as editor-in-chief since 1995 of the Pennsylvania Family Lawyer, the official quarterly of the PBA Family Law Section now in its 35th year.” He was named to the 2013 Pennsylvania Super Lawyers and also named among the 2013 Top 50 Pittsburgh Pennsylvania Super Lawyers.

Daniel T. Wagner, P’75, MBA’92, Pharm.D., has returned from his 17th consecutive expedition to a rainforest with the Student Rainforest Fund. He led 25 students (three from Duquesne) to Belize to study medicine plants and natural products.


Alumni Spotlight

Kathryn Gallagher, A’13, has received a Fulbright English Teaching Assistantship in Slovakia for the 2013-2014 academic year. After nearly a year-long application and review process, she was one of only eight U.S. students invited to participate in this prestigious program in Slovakia.

While at Duquesne, Gallagher had a dual major in elementary education and international relations. She began the Fulbright application process in spring 2012, looking for an opportunity to blend her education experience and international training with her interest in Slovakian culture and language. Gallagher chose to pursue an opportunity to teach English in Prešov, a city in northern Slovakia where relatives live.

To prepare for her experience, Gallagher completed a 170-hour certification course designed specifically for those looking to teach English as a second language to international students.

After completing her Fulbright, Gallagher wants to pursue work in either international relations or teaching in Slovakia.

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in memoriam: Frank R. Bakos, B’67

Frank R. Bakos, B’67, died April 18 at the age of 75. A longtime executive with Westinghouse Electric Corp., he began his career at the Bettis Atomic Power Laboratory in Pittsburgh, working with Admiral Hyman Rickover, known as the father of the nuclear navy, and was later posted in Japan to lead a joint venture with Mitsubishi. He retired in 1997 as president of the Westinghouse Power Generation Unit, based in Orlando, Fla.

Bakos received the company’s highest honor, the Award of Merit, and was a member of the McKeesport High School Hall of Fame. He was named to Duquesne’s Century Club in 1991.

1980s

Staci Backauskas, A’85, recently published Out Your Ego! to help people recognize when perceptions and beliefs they don’t even know they have are running their lives. Filled with humor and real-life stories, the book offers readers the opportunity to minimize their egos and claim the power of their true selves.

Annette (Kraisinger) Hostoffer, A’85, presented Direct Mail Matters at the annual conference of fundraising and marketing professionals. She holds a master’s degree in journalism and a master’s in organizational leadership from Point Park University.

Marie Milie Jones, A’85, L’87, was a speaker at the Pennsylvania County Corrections Association 2013 Annual Conference and covered topics relating to the county purchasing code, inmate welfare/commissary funds, western district prisoner mediation program, effective use of grievances, female health care, PREA and other important topics relating to the jail setting. She was also a speaker at the County Commissioners Association of Pennsylvania Prison Risk Management Program in Hershey and presented an update on civil rights law in the county jail system. She practices law in the boutique litigation firm of JonesPassodelis, PLLC, where she focuses on employment and civil rights matters. She is currently the Chairman of the Board of Directors of Duquesne University.

Cynthia (Zivic) King, A’88, was selected as director of public affairs for the S.C. National Guard. She is the lead spokesperson (first female selected) for the more than 10,000 members of the S.C. National Guard, and is responsible for media relations and community outreach programs. She recently returned from Afghanistan, where she served as the public affairs officer for the Combined Joint Special Operations Task-Force. She received her officer commission in 1988 from Duquesne’s Army Reserve Officers’ Training Corps (ROTC) as a distinguished military graduate and two-year scholarship winner.

1990s

Mary R. Bates, A’90, L’98, chief legal officer, Washington City Mission (Pa.), is the recipient of the Pennsylvania Bar Foundation’s 2013 Louis J. Goffman Award. It was noted that her “remarkable holistic approach to delivering critical legal and human services to Washington’s homeless men, women and children so as to protect their rights and restore them to independent living distinguished you as this year’s award recipient.”

Anna Maria Gsell, P’91, recently received a Pharm.D. from the University of Florida’s Working Professional Doctor of Pharmacy Program. She was also promoted to medical affairs with Sanofi US Pharmaceuticals as the regional medical liaison, specializing in diabetes.
Brian Paliotti, B’98, has been named vice president-finance for NewMarket Corporation, based in Richmond, Va. NewMarket Corporation focuses on the petroleum additives industry. He previously served as the senior financial officer of NewMarket’s largest affiliate, Afton Chemical.

Amy Baez, HS’99, GHS’00, has founded the website Playapy.com, a child development resource for parents and educators supported by pediatric therapy professionals. She has also published two handwriting workbooks for children and is conducting handwriting workshops for occupational therapists.

Michael Grandinetti, B’99, master illusionist, took his show to the Hawaiian island of Lanai in April, and also took his special magic to “America’s Independence Day Parade” in Washington, D.C. This marked the first time an illusionist has been invited to perform in the parade.

2000s

Rudi Navarra, A’00, has been hired as southeast regional coordinator at the U.S. Climate Action Network in Miami to work on clean energy and climate issues in the U.S. southeast and internationally. His primary role is director of the Southeast Climate and Energy Network.

Eric Starkowicz, B’00, has returned to his alma mater, Central Catholic High School in Pittsburgh, where he serves as director of marketing and communications.

Andrew P. Wachter, B’00, MBA’01, was recently named a 2013 Fast Tracker by the Pittsburgh Business Times. Fast Trackers “must have shown to have had significant impact on the growth, scope or impact of their organization.” He is manager, rates and regulatory affairs, of Peoples Natural Gas/Peoples TWP LLC, and currently sits on the School of Business Accounting Advisory Board and the School of Business Alumni Association Board. He is the 11th person in his family to attend Duquesne.

Maureen O’Reilly Hughes, M’02, received a Doctor of Philosophy in curriculum and instruction from Boston College’s Lynch School of Education. Her dissertation was Tipping the Tower of PISA: Cross-National Learning as a Strategy to Inform Leaders about Diverse Students and Achievement in the Global Neighborhood.

Amy Allison, B’03, was named the 2013 Woman of the Year by the Western Pennsylvania and West Virginia Chapter of The Leukemia & Lymphoma Society. Along with her campaign team, she raised more than $37,000 during a 10-week period to further the LLS mission of finding a cure for all blood cancers and improving the quality of life for patients and their families. She is the senior category manager for Giant Eagle, Inc.

Benjamin E. Orsatti, L’04, an associate at Pollock Begg Komar Glasser & Vertz LLC, was named to the 2013 Pennsylvania Rising Stars listing (for lawyers under 40).

Timothy C. Fish, A’06, has joined General Electric Energy Management in Pittsburgh as a project control analyst.

Stephanie (Weis) Keyes, GE’06, recently released her second young adult

In Memoriam: Murry P. Berger, B’48

Murry P. Berger, B’48, passed away on April 6 at the age of 87. A pioneer in the frozen food industry, he founded Oceans of the World, one of the first frozen seafood companies. This and successor companies produced and distributed more than 200 varieties of seafood, vegetables and prepared foods for supermarkets and food service chains in the U.S. and around the world. He was one of the first American executives to establish trade relationships with China, and was a member of federal advisory boards on fisheries policy and protection of the continental shelf.

Berger served on Duquesne University’s Board of Directors and was an inaugural inductee into the Century Club of Distinguished Alumni in 1978.

Alumni Spotlight

Dr. Mark Brouwer, GA’01, PhD’05, has been named a 2013 Woodrow Wilson Indiana Teaching Fellow.

The goals of the Woodrow Wilson Teaching Fellowships are: attract the very best candidates to teaching; put strong teachers into high-need schools; cut teacher attrition and retain top teachers; and transform university-based teacher education. The fellowships recruit teachers—both recent college graduates and career changers—with strong backgrounds in the STEM fields (science, technology, engineering and mathematics).

As a Woodrow Wilson Indiana Teaching Fellow, Brouwer will receive a $30,000 stipend to complete a special intensive master’s program at Indiana University-Purdue University Indianapolis that will prepare him to teach math and/or science in Indiana’s urban and rural public schools.

Indiana was the first state to launch the Woodrow Wilson Teaching Fellowships, with the first fellows named in 2009. Founded in 1945, the Woodrow Wilson National Fellowship Foundation identifies and develops leaders and institutions to meet the nation’s critical challenges.

**Gregory Walker, B’06,** was recently promoted to director of marketing for CME Engineering LP and will manage the entire firm’s marketing efforts.

**Danielle Kilchenstein, GA’08,** is the executive director of the American Academy of Pediatrics in California (Chapter 2).

**Emily L. Nenni, L’09,** a member of the litigation practice group of McGuire, Wood & Bissette, P.A. (Asheville, N.C.), was honored with a Pro Bono Service Award at the 28th Judicial District Bar Luncheon. The awards are given each year by Pisgah Legal Services and the 28th Judicial District Bar to attorneys that have “demonstrated exemplary commitment to pro bono service to those in need in western North Carolina.”

**Joseph R. Williams, L’09,** an associate in the law firm Pollock Begg Komar Glasser & Vertz LLC, has been elected to serve a three-year term on the board of governors for the Duquesne Law Alumni Association. He was named to the 2013 Pennsylvania Rising Stars listings (for lawyers under 40). He was also elected to serve as chair of the Young Lawyers Division of the Allegheny County Bar Association.

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**2010s**

**Nicole Shannon, N’12,** passed the examination to be a certified pediatric nurse. She is currently employed at The Children’s Institute.

**Sara Marie Katrancha, S’13,** has been awarded a fellowship worth $5,000 by The Honor Society of Phi Kappa Phi, the nation’s oldest and most selective collegiate honor society for all academic disciplines. She will continue studies in neuroscience at Yale University.

**Marriages**

**Daniel M. Kelly, A’98,** married Catherine Corrubia.

**Holly J. Hutchko, B’99,** married Army Sergeant First Class Aaron J. Flinner.

**Leslie Decker, LPA’05,** married Paul Fitzgerald.


**Sarah Ashley Cigana, GE’12,** married John Karger, B’04, MBA’07.

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**New Arrivals**

Avery Grace, daughter of Dr. Lisa (Kluth) Eggleston, S’96, A’96, and Dr. Justin Eggleston, S’95.

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**PEEKING INTO THE PAST**

A new three-story addition to the University library opened in November 1961. Here, former Duquesne President Fr. Henry McAnulty, C.S.Sp., kicks off the addition project by sitting on a bulldozer. Fr. Edmund R. Supple, C.S.Sp., academic vice president, and Eleanor McCann, librarian, are standing beside the bulldozer.

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**A Duquesne Wedding Tradition**

Two couples with special ties to Duquesne and to each other married almost exactly 38 years apart in the Duquesne Chapel. Beverly Flaherty, E’09, and Stephen Paul, M’09, who met while attending classes at Duquesne, were married on May 11, 2013, and had their reception at the Power Center. Beverly’s parents, Libbie (A’76) and Regis (A’74) Flaherty, who also met as students at Duquesne, were married on May 10, 1975, and had their reception in the Union. Many of their relatives also attended Duquesne and even taught at the University. Here, both couples can be seen on their special days.

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**Photo by: Libby Hill**
Rev. William F. Crowley, C.S.Sp., GA’56, died July 5 at the age of 92.

Ordained to the priesthood in 1949, Fr. Crowley was a member of the English Department faculty at Duquesne from 1950-1960. After teaching and administrative assignments with the Spiritans in Chicago and Rome, he returned to Duquesne from 1976-1983. He was then transferred to Maryland, but returned in 1991, serving in Campus Ministry until his retirement in 2004.

Best known as chaplain and advisor of the Kappa Sigma Phi fraternity, Fr. Crowley also left an indelible mark on Duquesne’s campus landscaping and architecture. His fraternity members built the Lourdes Grotto in 1954, and he designed the stained glass windows installed in the new Trinity Hall chapel in 1952. Kappa Sigma Phi brothers raised funds in his name to renovate the Old Main chapel in 1995; they are currently working to endow a scholarship fund in his memory.

Marjorie Burns Haller, GA’88, daughter of prominent Pittsburgh industrialist Henry Haller and trustee of the Haller Foundation, passed away on May 7. She received her graduate degree in theology and later took doctoral studies at Duquesne. A philanthropist and freelance writer, she supported a variety of causes and was a former member of the Pharmacy Deans Society.

Colin Jakob, son of Lori Campbell-Tanner, GA’98, Ph.D.’02, and Charles Tanner.

Gianna Bernadette, daughter of Lezlie DelVecchio-Marks, A’96, Ge’00, and Brian Marks.

Sofie, daughter of Patrick Grandinetti, A’98, and Megan Grandinetti.

Vivienne Marie, daughter of Ginelle G. (Bates) McPherson, HS’01, MSLBE’08, and Frederick McPherson.

Cynthia Isabelle, daughter of Allison Mareleane (Smiller) Rozycki, Ge’01, and Robert B. Rozycki.

Isabelle Amber, daughter of Amber (Rotruck) Bokelman, M’02, and Seth Bokelman.

Ryan Jaxon, son of Leigh Ann David, B’02, and Ryan David.

Teagan Lea, daughter of Heather (Shultz) Dippold, L’02, and Michael Dippold.

Elizabeth Mary, daughter of Katie (Fuchs) Rokose, A’04, and David Rokose.

Rhiannon Maria, daughter of Nicole Rose (Vamos) Healy, B’06, and Robert Edward Healy, III, A’05, GA’06.

John William, son of Jillian (Thorne) Startare, Pharm.D.’06, and Eric Startare, B’03.

Adam Gregory, son of Gregory Walker, B’06, and Valerie Walker.

Frank R. Bakos, B’67
August A. Barrant, L’61
William H. Beaumont, A’56
Irene A. Benyak, E’64
Murry P. Berger, B’48
Clara M. Berman, E’71
George N. Blueming, B’61
Joseph W. Boes, M’34, GM’47
Joseph Bonie, L’78
Irma M. Boonie, E’52
Olga D. Brendel, A’50
Frederick J. Brobeck, P’42
Rhoda S. Brown, M’53
Elmer A. Burger, PCC’33
Rita L. Burke, GE’71
Joyce Hugo Carr, M’51
Susan L. Carr, GE’89
James J. Coletta, B’48
Mary Elizabeth Colombo, E’68
Richard L. Conboy, GE’65
Joseph G. Conroy, A’52
Margarita E. Corbaci, A’48
Frederick J. Cornelius, S’55

Rebecca Costello, Ge’60
Zack J. D’Alesandro, Jr., E’52, Ge’66
Gary G. Davis, B’69
Robert B. Davis, E’79
Rose Marie DeWitt, P’56
Richard E. Deer Ill, A’81
Patricia G. Dice, GA’73
Joseph P. Donnelly, B’51
John F. Donovan, A’49
Lawrence E. Donovan, Ge’68
Mary W. Dugan, E’68
James E. Durkin, A’69, L’77
Donald L. Eckert, B’49
James T. Farrell, A’72, L’77
Clare J. Flasher, P’59
Donald T. Fox, A’71
Paul E. Franks, Ge’51
Octavius S. Frattini, B’50
P. Joseph Gallagher, B’56
Tammy L. Garvey, L’99
Jason Gates, B’72, GB’76
Anne M. Geibel, P’61
Albert Gerlach, P’53
Frank P. Giordano, B’60
Thomas M. Glover, A’90
Rita R. Green, E’59
Regis L. Grover, B’40
Michael P. Hahn, E’71
Frank J. Hailer, A’52
Marjorie B. Hailer, GA’88
in memoriam: mian zhao, ga’50

mian zhao (also known as mien chao), ga’50, passed away peacefully on may 23 at the age of 96 in beijing sino-japan friendship hospital.

in addition to being a duquesne graduate, zhao worked as a teaching assistant at the university from 1948 through 1950. after graduation from duquesne, he went to columbia university for further research and went back to china in 1951. in china, zhao worked as associated professor of beijing concord medical institute, professor of beijing sino-japan friendship hospital and the adviser of china national library.
Alumni Calendar

September 2013 through April 2014
John J. Sciullo Continuing Legal Education Series
Select Saturdays, 9 a.m.-12:15 p.m.
School of Law Room 204
Contact/RSVP: www.duq.edu/cle or 412.396.6282

Sept. 20, 2013
Forensic Fridays Lecture
New Advances in Fire Investigation
1-4:30 p.m.
Africa Room, Duquesne University
For more details on upcoming Forensic Friday lectures and to RSVP, contact Ben Wecht at wechtben@duq.edu or 412.396.1049

Sept. 22, 2013
Beethoven on the Bluff I: Septet/Piano Trios I
3 p.m.
PNC Recital Hall, Mary Pappert School of Music
Contact/RSVP: musicevents@duq.edu or 412.396.6083

Sept. 25, 2013
Pittsburgh Law Alumni Reception
5-8 p.m.
LeMont Restaurant
Contact/RSVP: lawalumni@duq.edu by Sept. 20

Oct. 6, 2013
Duquesne University Symphony Orchestra
7:30 p.m.
Carnegie Music Hall, Oakland
Contact/RSVP: musicevents@duq.edu or 412.396.6083

Oct. 7, 2013
Palumbo • Donahue School of Business Founder’s Day
4-6 p.m.
Duquesne University, Power Center Ballroom
Register online: www.duq.edu/business100
Contact: Courtney Cox at coxc@duq.edu or 412.396.5831

Oct. 7, 2013
McAnulty College & Graduate School of Liberal Arts
Alumni Brunch and Panel Presentation
“The First 100 Days of Pope Francis”
10-11:30 a.m.
Duquesne Union, Room 613
RSVP to www.duq.edu/homecoming

Oct. 11-13, 2013
Homecoming and Reunion Weekend
Join alumni, students, faculty and staff on our Bluff for this traditional weekend! Details and registration available at www.duq.edu/homecoming.

Oct. 12, 2013
2013 Rangos School of Health Sciences, Homecoming Alumni Luncheon
11:30 a.m.-1 p.m.
City View Café, Duquesne Union
Contact/RSVP: Deborah Durica at durica@duq.edu or 412.396.5551

Oct. 12, 2013
2013 Rangos School of Health Sciences, Homecoming Alumni Luncheon
11:30 a.m.-1 p.m.
City View Café, Duquesne Union
Contact/RSVP: Deborah Durica at durica@duq.edu or 412.396.5551

Oct. 12, 2013
Beethoven on the Bluff II: Piano Trios II
7:30 p.m.
PNC Recital Hall, Mary Pappert School of Music
Contact/RSVP: musicevents@duq.edu or 412.396.6083

Oct. 14, 2013
Washington, D.C., Law Alumni Reception
5-8 p.m.
Barnes & Thornburg, LLP
Contact/RSVP: lawalumni@duq.edu by Oct. 14

Oct. 17-19, 2013
Passing the Torch: An International Symposium on the 50th Anniversary of the JFK Assassination
8:30 a.m.-5 p.m. each day
Power Center Ballroom
Contact/RSVP: Ben Wecht at wechtben@duq.edu or 412.396.1049

Oct. 20, 2013
Wind Symphony and Symphony Band
7:30 p.m.
Carnegie Music Hall, Oakland
Contact/RSVP: musicevents@duq.edu or 412.396.6083

Oct. 22, 2013
Alpha Phi Red Dress Gala
6-8 p.m.
Duquesne Union Ballroom
Contact/RSVP: Zaria Zielinski at epsilon_iota@hotmail.com

Oct. 22, 2013
School of Business Centennial Mimosa Brunch
Meet the New Dean – Dr. Dean B. McFarlin
11 a.m.-1 p.m.
Duquesne Union, Africa Room
Register online: www.duq.edu/business100
Contact: Courtney Cox at coxc@duq.edu or 412.396.5831
Nov. 2, 2013
Mind, Heart & Spirit Awards Celebration
6-9 p.m.
Power Center Ballroom
For more information, contact the Office of Alumni Relations at alumnionline@duq.edu or call 412.396.6209. More details will be available at www.myduquesne.duq.edu.

Nov. 2, 2013
Combined Choirs
7:30 p.m.
Duquesne University Chapel
Contact/RSVP: musicevents@duq.edu or 412.396.6083

Nov. 2, 2013
63rd Annual Carnival
4-11 p.m.
A.J. Palumbo Center
Contact/RSVP: Rebecca Jamrozik Mickler at jamrozikr@duq.edu

Nov. 10, 2013
Gamma Phi Beta Founders Day
10 a.m.-6 p.m.
Africa Room

Nov. 13, 2013
Celebrating the Great American Songbook–Then & Now
Mike Tomaro & Friends
7:30 p.m.
Power Center Ballroom
Contact/RSVP: musicevents@duq.edu or 412.396.6083

Nov. 20, 2013
Order of Omega Initiation
6:30 p.m.
Duquesne Chapel
Contact/RSVP: Kimberly Dombrowski at dombrowskik@duq.edu

Dec. 6, 2013
Opera Workshop: Opera Scenes
7:30 p.m.
PNC Recital Hall, Mary Pappert School of Music
Contact/RSVP: musicevents@duq.edu or 412.396.6083

Dec. 10, 2013
Duquesne Law Alumni Association Holiday Party Honoring 1911 Society Members
5:30-7:30 p.m.
Africa Room, Duquesne University
Contact/RSVP: DLAA members only to lawalumni@duq.edu by Dec. 6

Dec. 13, 2013
Forensic Fridays Lecture
1-4:30 p.m.
Africa Room, Duquesne University
Contact/RSVP: Ben Wecht at wechtben@duq.edu or 412.396.1049

Dec. 14, 2013
Breakfast with Santa for Alumni and Guests
Doors open at 8:30 a.m., space is limited Duquesne Union Ballroom
Registration will open November 7 at noon at www.myduquesne.duq.edu

Jan. 2, 2014
New York City Law Alumni Reception
5-8 p.m.
Hilton New York Midtown
Contact/RSVP: lawalumni@duq.edu by Dec. 20

Jan. 12, 2014
Beethoven on the Bluff III: Violin/Cello I
7:30 p.m.
PNC Recital Hall, Mary Pappert School of Music
Contact/RSVP: musicevents@duq.edu or 412.396.6083

February 2014 TBD
17th Annual RSHS Alumni Night at the Men’s Basketball Game
6:30 p.m., pre-game reception (Auxiliary Gym)
7 p.m., men’s basketball game (A.J. Palumbo Center)
Contact/RSVP: Deborah Durica at durica@duq.edu or 412.396.5551

Feb. 14, 2014
Pittsburgh Song Collaborative
7:30 p.m.
PNC Recital Hall, Mary Pappert School of Music
Contact/RSVP: musicevents@duq.edu or 412.396.6083

Feb. 20, 2014
Music of the Beatles
7:30 p.m.
Power Center Ballroom
Contact/RSVP: musicevents@duq.edu or 412.396.6083

For a complete listing of music events at the Mary Pappert School of Music, please visit duq.edu/music/events.

Alumni activities are added frequently throughout the year. For more details and a complete schedule of alumni events, go to www.myduquesne.duq.edu.

The Duquesne University Office of Alumni Relations
1M Libermann Hall
600 Forbes Avenue
Pittsburgh, PA 15282
www.MyDuquesne.duq.edu
412.396.6209

For more information, visit www.myduquesne.duq.edu.
Welcoming back all of our alumni and your families! There is still time to register for Homecoming and Reunion Weekend 2013 next month!

For a full list of events with descriptions and to register, please visit www.duq.edu/homecoming.

**HIGHLIGHTS INCLUDE:**

**FRIDAY, OCTOBER 11**
- 50th Reunion Welcome Luncheon
- YAC Happy Hour at the Red Ring
- The Rat “Revived” – A Special Celebration for the Class of 1988
- Pharmacy Class of 1988 Welcome Reception
- President’s Dinner and Reception
- 60’s Kappa Sigma Phi Reunion
- Trivia Night
- Delta Tau Delta/Gamma Phi Beta Welcome Reception

**SATURDAY, OCTOBER 12**
- School Breakfast, Panels and Lectures (check online to see what your school has planned)
- Campus Tours*
- Living/Learning Center Open Houses and Tours*
- Autumnfest*
- Tailgate Lunch*
- Tau Delta Tau/Gamma Phi Beta Meet and Greet
- Football: Dukes vs. Wagner*, Honoring the 1973 and 2003 Championship Football Teams
- Post-game Tent Party and Varsity “D” Reunion*
- Signet Society Reception
- Beta Pi Sigma 75th Anniversary Dinner
- The Great American Songbook Concert

**SUNDAY, OCTOBER 13**
- Farewell Mass & Brunch*
- Tamburitzans Performance*

* Indicates family-friendly events. Children 12 and under are welcome.