UNIVERSITY TIMES

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UPCOMING

The University Times' annual Books, Journals and More supplement will be published in the next issue, April 3.

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Pitt Day in Harrisburg

Tom Altany/CIDDE

Pitt staff, faculty, students and friends arrive in Pennsylvania's capital on the morning of March 18 for the annual Pitt Day in Harrisburg, where they met with legislators and their aides to advocate for increased Pitt funding. See page 3 for more photos.

Cybersecurity: Responsibility belongs to all of us, staff told

Just a dozen years ago, Jinx Walton, Pitt's chief information officer, said, computer security "especially here at the University was not something we focused on." Pitt employed only a half-time computer security person, and "a lot of his responsibility was changing our door locks," she said.

Today, Computing Services and Systems Development (CSSD) has 10 full-time people working on firewalls, security monitoring, spam and virus filtering and much more. Spamming and hacking have "become more malicious now … there are these very sophisticated organizations that are responsible," she noted. "In the past few years the profits from cybercrime have exceeded the profits from drug crime."

Walton's keynote address, titled "Security: It Takes All of Us," opened the Staff Association Council's March 20 spring assembly, which had more than 120 people registered and also featured six sessions on ways to better use technology at work, covering the cloud, pitt.box.com, "student record mysteries" and other topics.

Universities are targeted because of the size and speed of their networks, Walton told the assembly.

Universities also often require open access, "so they quickly become … one of the first targets" for hacking. The number of new students gaining university accounts each year, and the large variety of uses to which a university's network is put — academics, business and research — also make it more vulnerable.

All of Pitt's 53,000 Internet user accounts were put behind network-based firewalls by January 2013, "and that is really the best defense," she said. Last year Pitt blocked 364 million spam messages and 10 million viruses. Its 1,200 websites are the targets of web application attacks, "so our web infrastructure is constantly being scanned" by hackers looking for vulnerabilities. Last month alone there were 12,818 malicious attacks on Pitt websites and more than 384,000 scans by hackers, with 141,000 instances of potentially malicious traffic on Pitt's residence hall network alone, Walton said.

Overall, there have been 219 network breaches of higher-education networks by hackers since 2009, with 113 of them employing malicious software, or malware, most recently causing the exposure of personnel or student records at Indiana University and the University of Maryland. Such breaches not only reveal personal information, Walton noted, they can damage an institution's reputation.

Fighting off attacks

One common method hackers use to disrupt the business of a university is a denial of service attack, in which a network is overwhelmed by more traffic than it can handle, often shutting it down. Another method, termed hacktivism, may disable a network or expose its information to the public based on a political agenda.

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Senate officer candidates set

University Senate elections will be conducted electronically April 4-19.
Running for president are incumbent Michael Spring of information sciences, at left, and Alex Vieira of dental medicine, at right. Vice presidential candidates are James T. Becker of medicine and incumbent Irene H. Frieze of arts and sciences. Susan Skledar of pharmacy is running unopposed for secretary.

Most Pitt schools climb in U.S. News ranking

With few exceptions, Pitt's graduate programs rose in the most recent U.S. News & World Report rankings. The publication ranks the five main disciplines of business, education, engineering, law and medicine each year. Other disciplines are ranked on a rotating basis.

In its Best Graduate Schools 2015 guide, released March 11, U.S. News also ranked graduate programs in seven science areas: biological sciences, chemistry, computer science, earth sciences, mathematics, physics and statistics. These areas were last ranked in the publication's 2011 Best Graduate Schools *(see April 29, 2010, University Times)*.

The ranking methodology varies by discipline, but all are based in part on expert opinions of each program's quality, students' standardized test scores and schools' selectivity.

The complete rankings can be found at usnews.com/best-graduate-schools.

Business

Pitt's Katz Graduate School of Business ranked No. 52 among 127 schools that provided sufficient data, up from No. 61 last year.

Harvard, Stanford and Penn tied for No. 1 in business school rankings, followed by the University of Chicago and MIT.

Business schools were ranked based on assessments by peers and recruiters; placement success; mean starting salary and bonus; employment rates for full-time master's program in business graduates, and student selectivity.

MBA specialty rankings

Among a dozen MBA specialties, Pitt's part-time MBA program was ranked No. 53, up from No. 64 a year ago.

Specialty rankings were based on ratings by business school deans and directors of accredited master's programs from among the schools surveyed. They could nominate up to 10 programs in each specialty area.

Education

Pitt's graduate education programs rose to No. 22 (up from No. 32 a year ago), among 245 schools that provided sufficient data.

Education programs were ranked based on peer and superintendent assessments; student selectivity; faculty resources; student-faculty ratio; percentage of faculty with awards or selected education journal editorships; ratio of doctoral degrees granted per full-time faculty member, and research activity (including research expenditures and expenditures per faculty member).

Education specialties

Pitt was included in rankings for one of 10 education program specialties. The University's educational psychology program was listed at No. 14. It ranked No. 13 a year ago.

Specialty ratings were based on nominations by education school deans and education school deans of graduate studies from the list of schools surveyed. They could nominate up to 10 top programs in each area.

Engineering

Pitt's Swanson School of Engineering ranked No. 43 (up from No. 45) of 193 schools that provided the necessary data.

U.S. News ranked MIT, Stanford, University of California-Berkeley, California Institute of Technology and Carnegie Mellon as its top five.

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Nordenberg to address 2014 commencement

Chancellor and Distinguished Service Professor of Law Mark A. Nordenberg will be the keynote speaker at Pitt's 2014 commencement ceremony April 27 in the Petersen Events Center.

Nordenberg, who has been chancellor for 19 years, will step down from that position Aug. 1.

Most Pitt schools improve in U.S. News grad school ranking

CONTINUED FROM PAGE 1

Engineering programs were ranked on peer and recruiter assessments; student selectivity; faculty resources; student-faculty ratio; percentage of full-time faculty in the National Academy of Engineering; total number of doctoral degrees granted, and research activity (including total externally funded research expenditures and average expenditure per faculty member).

Engineering specialties

Pitt graduate engineering programs were included in nine of a dozen engineering specialties; the Swanson school's ranking fell in eight of the nine specialties:

- Biomedical engineering: No. 15 among 107 schools, up from No. 16;
- Industrial/manufacturing/systems engineering: No. 23 among 87 schools, down from No. 21;
- Chemical engineering: No. 39 among 126 schools, down from No. 38;
- Mechanical engineering: No. 52 among 170 schools, down from No. 49;
- Environmental/environmental health engineering: No. 55 among 100 schools, down from No. 53;
- Materials engineering: No. 56 among 95 schools, down from No. 47;
- Computer engineering: No. 58 among 143 schools, down from No. 50;
- Electrical/electronic/communications engineering: No. 58 among 177 schools, down from No. 55, and
- Civil engineering: No. 61 among 145 schools, down from No. 56.

Specialty rankings were based on peer assessments by department heads in each specialty area.

Law

Pitt's law school ranked No. 81 of 194 schools, tied with Rutgers. Last year, Pitt ranked No. 91.

Named as this year's top five law schools were Yale, Harvard, Stanford and, tied for No. 4, University of Chicago and New York.

Law schools were ranked based on assessments by peers and lawyers/judges; selectivity; placement success; bar passage rate; faculty resources; per-student expenditures; student-faculty ratio, and library resources. Only schools fully accredited by the American Bar Association were ranked.

Law specialties

A Pitt program was ranked in one of 10 law specialty areas. Pitt's health care law program ranked No. 14. It ranked No. 13 last year. Specialty rankings were based on nominations by legal educators, who could name as many as 15 schools per field.

Medicine

Among 114 schools ranked, Pitt's medical school ranked No. 17 in research, down from No. 16 in last year's ranking, and No. 18 in primary care (tied with Dartmouth and Indiana), up from No. 24 last year.

At the top of the research program rankings were Harvard, Stanford, Johns Hopkins and, tied for No. 4, University of California-San Francisco and Penn.

Leading the primary care program rankings were Washington, University of North Carolina-Chapel Hill, Oregon Health and Science University, University of California-San Francisco and University of Massachusetts-Worcester.

Medical school ranking methodology

Research school rankings were based on a weighted average of eight indicators; primary care rankings were based on seven.

Both areas included selectivity statistics (MCAT, GPA and acceptance rate); faculty-to-student ratio; assessments by peers and residency directors, and faculty resources.

Research activity (in the amount of National Institutes of Health grants to the school and its affiliated hospitals and average NIH grants per full-time faculty member) was factored into the research school rankings; the proportion of graduates entering primary care specialties was factored into primary care rankings.

Medical specialties

Pitt programs were ranked in five of eight specialty areas:

- Women's health: No. 4, the same as a year ago;
- Pediatrics: No. 7, down from No. 6;
- Drug and alcohol abuse: No. 9 (tied with New York University, University of Washington and Washington University in St. Louis), up from No. 10 last year;
- Geriatrics: No. 9, up from No. 10;
- Internal medicine: No. 16 (tied with Cornell), falling from No. 15.

Specialty rankings were based on ratings by medical school deans and senior faculty; each could name 10 schools in each area.

Sciences

Rankings of doctoral programs in the sciences were based on surveys sent to academics in biological sciences, chemistry, computer science, earth sciences, mathematics, physics and statistics.

Specialty rankings in the PhD sciences were based on nominations by department heads and directors of graduate studies at peer schools, who could rank up to 10 programs in each area.

Biological sciences

Among 261 schools surveyed, Pitt tied for No. 42 with Carnegie Mellon, Icahn School of Medicine at Mount Sinai, Ohio State, Penn State, Rice, University of Alabama-Birmingham and University of Georgia.

Tying for first place were Harvard, MIT and Stanford, with the University of California-Berkeley and California Institute of Technology rounding out the top five.

Pitt's biological sciences graduate program was No. 46 in the U.S. News 2011 ranking.

Pitt's programs were not ranked in any of the eight biological science specialty areas.

Chemistry

Among 205 schools surveyed, Pitt tied for No. 35 with Emory, University of California-Davis, Florida, Utah and Washington University in St. Louis.

Top schools in the chemistry category were California Institute of Technology, MIT and the University of California-Berkeley tying for No. 1 and Harvard and Stanford tying for No. 4 to round out the top five.

Pitt's chemistry graduate program was No. 38 in the U.S. News 2011 ranking.

Pitt's programs were not ranked in any of the six chemistry specialty areas.

Computer science

Pitt tied for No. 52 with Indiana University-Bloomington, Rensselaer Polytechnic Institute and University of Rochester, among 177 schools surveyed.

In a four-way tie, Carnegie Mellon, MIT, Stanford and University of California-Berkeley ranked No. 1 with the University of Illinois/Urbana-Champaign ranking No. 5.

Pitt's computer science graduate program was No. 53 in the U.S. News 2011 ranking.

Pitt's programs were not ranked in any of the four computer science specialty areas.

Earth sciences

Among 123 schools surveyed, Pitt's Department of Geology and Planetary Science tied for No. 88 with Boise State, Michigan Technological University, St. Louis, Texas Tech, SUNY-Buffalo, Cincinnati, Georgia, Maine, Missouri, Montana, University of Nevada-Las Vegas, Notre Dame and University of Texas-El Paso.

California Institute of Technology was No. 1 in the category, followed by MIT at No. 2, Stanford and University of California-Berkeley tied for No. 3, and Columbia.

Pitt's earth sciences graduate program was No. 81 in the U.S. News 2011 ranking.

Pitt's programs were not ranked in any of the five earth sciences specialty areas.

Mathematics

Pitt tied for No. 60 with Arizona State, Northeastern, University of Massachusetts-Amherst and Virginia Tech, of 174 schools surveyed.

MIT and Princeton tied for No. 1; Harvard and University of California-Berkeley tied for No. 3, and Stanford and Chicago tied for No. 5.

Pitt's mathematics graduate program ranked No. 59 in the U.S. News 2011 ranking.

Pitt's programs were not ranked in any of the seven mathematics specialty areas.

Physics

Among 178 schools surveyed, Pitt tied for No. 50 with Arizona State, Iowa State and University of Massachusetts-Amherst.

The top five schools were: MIT at No. 1, followed by California Institute of Technology, Harvard, Princeton, Stanford and the University of California-Berkeley sharing the No. 2 rank.

Pitt's physics graduate program ranked No. 52 in the U.S. News 2011 ranking.

Pitt's programs were not ranked in any of the seven physics specialty areas.

Statistics

Pitt's Department of Biostatistics tied for No. 47 with Michigan State and Pitt's Department of Statistics tied for No. 49 with Boston, New York and Northwestern, of 87 schools surveyed.

Ranked in the top five statistics programs were Stanford at No. 1, followed by University of California-Berkeley at No. 2, Harvard and Washington tied for No. 3 and Johns Hopkins and Chicago tied for No. 5.

Pitt's statistics graduate program ranked No. 45 in the U.S. News 2011 ranking.

—Kimberly K. Barlow

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UNIVERSITY SENATE MATTERS / E. Ansell & C. Mauk

EIADAC: Being more proactive

The Senate's equity, inclusion, and anti-discrimination advocacy committee (EIADAC—formerly anti-discriminatory policies committee or ADPC) includes faculty, staff and students from across the University. We identify, make recommendations regarding, and monitor issues relating to equity, inclusion and respect for all members of the diverse University community.

This committee has a strong history of speaking out against discrimination and advocating for policy change. The change in the committee's name reflects a desire to be more proactive regarding opportunities to improve equity and inclusion in University programs, policies and practices. The new EIADAC will gather information from a variety of sources in order to anticipate issues that may arise and take action to prevent the issues from developing at all, if possible. For example, we hope to have a presentation from Admissions about the changing demographics of the student body. This information would inform us about new or growing populations so that we could plan programs geared toward the inclusion of these populations within our community.

This year, the committee is using a new structure for conducting business that allows us to focus on multiple issues simultaneously. Based on perceived needs in the University community, we formed working groups, each focusing on a different population. The working groups currently are determining the most pressing issues for their target populations by gathering information from a variety of sources within and outside of the University. For example, one goal of the working group on "academic experience beyond midlife" is to examine perceptions of faculty, students and staff with advancing age and how these perceptions influence their engagement in the University community and academic advancement. Working groups also are identifying benchmark organizations, both academic institutions and local employers, to ascertain standard practices regarding the issues they are addressing.

It is the plan of the committee that when new University policies or practices are implemented, working groups will monitor their ongoing contributions to the wellness of the community. For example, lactation rooms were recommended by the gender discrimination initiatives subcommittee of ADPC and implemented by the University in 2009. Currently, the working group on gender equity, inclusion and discrimination is planning to review the maintenance, location and use of the rooms to ensure that the initiative best serves its intended audience.

As the working groups progress, they will report to the committee, relaying new information and making recommendations so that the committee can determine the best course of action. Outcomes will take the form of initiatives that educate the University community about and/or advocate for improved equity, inclusion and respect for faculty, staff and students. The committee envisions the working group structure will be dynamic in that different working groups will be active at different times depending on what issues seem to be the most in need of attention.

EIADAC's primary goal is to contribute to the welfare of the University community. We hope that the changes we are implementing within EIADAC will help us achieve that goal.

Ellen Ansell & Claude Mauk are co-chairs of EIADAC. Ansell is an associate professor in the School of Education; Mauk is director of the Less-Commonly-Taught Languages Center in the Department of Linguistics.

Pitt Day in Harrisburg

Staff and faculty attending Pitt Day in Harrisburg gathered before 6:30 a.m. (top left) to board buses for the event, arriving in Harrisburg about 10:30 a.m (top right).

Chancellor Mark A. Nordenberg was on hand to speak to the group at the reception that ended their day (middle right), as was Paul Supowitz, vice chancellor for community and governmental relations (bottom right). Legislative visits, including a meeting with Allegheny County state Rep. Dan Frankel (bottom left), lasted until 3 p.m.

The day also included a career workshop for students interested in entering government service or politics (second from bottom on left), featuring, from left, Val Corbin Ketchen, senior government affairs representative with Highmark Health Services and president of the Pitt Alumni Association club in Harrisburg; Adam Pankake, representing Sen. Gene Yaw; Stephanie Latimore, attorney with the Legislative Reference Bureau, and Matt Franchak, representing Sen. Mike Stack. All but Pankake are Pitt alumni.

Before starting their day, participants were armed with information packets to help them tell the Pitt story (second from top on left).

Photos by Tom Altany/CIDDE

Digitization forces a rethinking of civil society's rules

Digitization is forcing a rethinking of the rules and mechanisms for civil society; without active engagement, the rights of individuals and democratic freedoms may be at risk. "Digitization has already changed almost everything we know," said Lucy Bernholz, head of the digital civil society lab at Stanford University's Center on Philanthropy and Civil Society, in a March 5 lecture at the University Club.

"We've learned a lot of lessons from the spheres that digitization has already changed: music, movies, schools, health care, how we share bikes, how we respond to disasters. But we haven't really paid a lot of attention at a policy level, and not even necessarily at a practice level, to how we as individual citizens use our time, our wisdom, our money, our digital talents, our digital networks, to make something happen in the public sphere, and how we're going to continue to do that for the long term," she said in her talk, "Inventing Digital Civil Society," part of the Graduate School of Public and International Affairs philanthropy forum lecture series.

Civil society — the use of private resources for public good — can't escape the changes brought about by the rise of digital media. "Understanding how it is we adapt and adjust our practices from analog civil society to the digital age is incumbent upon us. It's only going to become more of what we do," Bernholz said.

That doesn't mean that one is going to replace the other, she said. "It will augment, it will expand, it will change, but it will not replace."

Rules are lacking right now. "We really need to get on board with thinking about the ethics, the codes of practice and the rules," she said.

Harold Aughton

Lucy Bernholz

Jumping the hashtag

As an example of the power of digital civil society, Bernholz recounted how eight people, spread across the United States, expressed their displeasure at the decision of breast cancer charity Susan G. Komen Foundation's board to quit providing grants to Planned Parenthood.

"A group of people sitting on their sofas all over the country, with no paid staff, no central organization, no single media plan, no clue what it was they were actually trying to do, wound up redirecting tens of millions of dollars of health care funding," she said.

The NFL and the foundation were using "#supercure" as a Twitter hashtag during Super Bowl XLVI.

(A hashtag uses the # with a search term to identify tweets on a particular topic.)

The protesters monitored Twitter during the game, retweeting messages with the #supercure hashtag with their own "#takebackthepink" hashtag to redirect #supercure followers to other breast cancer awareness pages, dubbing it "jumping" the hashtag.

"These eight people contributed to an enormous change. This small group became a big group and the big group made that change happen. Komen changed its policies and reinstated the money," she said.

"#takebackthepink is an example of an entirely digital voluntary action to change a public decision to make a public benefit happen. That is digital civil society," Bernholz said.

Merging analog and digital

Libraries are a classic example of civil society: free, accessible and supported by tax dollars, philanthropic funds and volunteers. They're also among the most rapidly digitizing entities.

While we want to have libraries and authors, technology raises questions and potential problems for both: If books can be digitized, why is there any need for multiple copies? And if digital books can be borrowed from a distance, why are library branches necessary?

Yet libraries are leading the charge toward digitization of resources, Bernholz noted, citing them as good examples of the need to make the digital and analog worlds complementary.

"We are inventing this," she said. "If you've texted a donation, if you've made a donation online, if you've shared information on your Facebook page or Twitter or through a text message to organize people to do something, you have participated in inventing digital civil society.

"We need to figure out how to make sure that this continues to work so that we can have analog libraries and digital libraries in our communities, so that we can have digital museums in our communities, so that we can have digital education and our schools in our communities, so that we can add digital protests to our football games."

Keeping up with the times

While the Komen foundation board acted within the existing rules, it found itself pushed back by people it thought of as supporters, who in actuality were loyal to a cause, breast cancer research, not to an institution, Bernholz said.

"The institution had to work really hard, really quickly to adjust to the reality that in fact the governance mechanism it operates under — the board of directors that's supposed to be its voice to the public and (the public's) way of holding it accountable — was in fact not up to the task, given the way the public could communicate with the organization.

"Every single nonprofit in America is in this same exact position ... and we don't yet have the right kind of governance mechanisms, the right kind of communication mechanisms, the right expectations or even the right skills to make sure, in fact, the system works in an aligned way, not in one that involves so much conflict."

A treacherous spot

Using the seashore as a metaphor, she said: "Think of analog civil society as land-based and digital civil society as water-based. Analog civil society runs on time and money. Digital civil society runs on time, money and digital data," she said.

While there are established rules on the analog side — structures like 501(c)(3)s and rules on making donations — they don't exist for digital civil society. "The place where the water meets the land can both be beautiful and rather treacherous. And that's where we are right now," she said.

The issues

"We need to make sure that we can all access the digital spaces in which we want to take action," she said. While the meeting places of the analog age — town halls and village greens — were publicly owned, digital meeting places are under the control of private companies: social media networks, telecommunications companies and Internet backbones. "We're operating in a different environment," she said.

"We also need to make sure that our rights as private citizens are protected when we act in those digital spaces." While corporations and governments are among the more vocal participants in setting rules for the use of digital spaces, "there are very few voices advocating for those rights in those spaces," Bernholz said.

"We also need to control how our personal data are used by others in these spaces," both when data are given voluntarily or when data are taken without an individual's fully informed consent. People don't read the terms of service on websites. Nor do they consider that they may want to own — or get back — the information they give, she said. "We don't know what it means to donate our digital data," be it our email address or our DNA, Bernholz said.

"Many of us shortcut all of the thinking about donating something to an organization because of the structural trust and integrity that we see in that nonprofit brand or that nonprofit corporate structure," she said, noting that the lines are blurred in the digital space where it's harder to know which entities are nonprofit.

"We need to re-understand where that trust is going to live and how we're going to be assured of it in our current age," she said.

"Civil society needs to engage in inventing the rules that are going to guide it," she said. "We need to answer the question of who owns the data. We need to know what rights we have as data donors and how those rights are going to be protected. ... We need to know how we are going to pay for all of this," she said.

"We need to get active and participate in these conversations because they're happening now. These rules are being set by omission, for the most part. Commercial corporations and governments are setting the rules and leaving us to operate in the margins," Bernholz said. "We need to get active in this conversation."

—Kimberly K. Barlow ■

CHANCELLOR'S AFFIRMATIVE ACTION AWARD 2014

Nominations are being solicited for this University-wide award that recognizes a University program area or individual that has made a significant contribution in Affirmative Action. Among the factors to be considered in the selection process are:

- Innovative approaches to increasing diversity within the University community in areas such as recruitment, retention, promotion, academic, and other programming and business activities or enterprises, and
- A consistent record of commitment and success in affirmative action efforts, diversity and inclusion programs and related initiatives within the University community. Greater consideration will be given to those nominations that include multiple years of documented advancements for the reviewing committee to consider.

Nominations can be made by individuals, groups, students or alumni. Self-nominations are allowed. Please submit nominations to the **Office of the University Senate**, 1234 Cathedral of Learning, on or before **May 2, 2014**. The nomination should include:

- The name, address and phone number of the program area or individual being nominated;
- The name, address and phone number of the nominator;
- A 3-5 page description of the program, initiative, effort or individual contribution that warrants recognition for advancing affirmative action; and
- A supplemental dossier which, where possible, contains illustrations, supportive information and other relevant documentation on the impact of the program area or individual being nominated for this award.

For more information, contact the Office of Affirmative Action, Diversity and Inclusion, 412 Bellefield Hall, (412) 648-7860.

University of Pittsburgh

Cybersecurity: Responsibility belongs to all of us, staff told

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Walton said Pitt employees also have been subject to ransomware, which locks computers until a fee is paid — and sometimes even when the fee is paid.

Phishing attacks, which ask users to click on a site that purports to be from an important or respected institution, such as your bank or the University itself, are a current problem about which Pitt often is sending out alerts, she noted.

Email messages may contain embedded viruses, trusted websites may be compromised by hackers and turn into gateways for attacks, and free wi-fi services, now so common in shops small and large, often allow unencrypted traffic, making them easy hunting grounds for hackers hoping to snag personal information.

"There's really not one security practice that is going to protect us," Walton added. So the University has a multilayered approach.

Pitt's network operations, located 10 miles off-campus in O'Hara Township, run around the clock all year long, with employees "looking for any type of anomaly," blocking suspicious users and alerting departments about potential trouble. They look for suspicious activity such as multiple failed logins and simultaneous geographic logins (single accounts with attempted logins from several locales at the same time). They also limit the number of email messages an individual employee is allowed to send, to prevent hackers from using the University's network speed to send spam or launch attacks on other networks.

Pitt also maintains central control over all its accounts, offering centralized email and web services and application monitoring, which Walton said is unusual for a large research university. This allows Pitt to enforce a requirement for frequent password changes, among other advantages. "Once we did that we really saw the number of compromises decrease," she said.

CSSD also performs regular security scanning of the network, reviews security of Pitt's third-party vendors and works with individual departments to review and create security plans and upgrade security controls.

CSSD also helps ensure compliance with federal security regulations, particularly those required by agencies that grant research dollars. Soon, CSSD is hoping to roll out multifactor logins — a password and a personal device— for those who have regular access to highly sensitive information.

What you can do

"The truth is, when we look at how we're securing the University, we're happy with that, but honestly it takes all of you to help secure this environment," Walton said.

She warned Pitt employees to be aware of older documents that used Social Security numbers, from performance reviews to lists of students' grades, which may remain on computers and be vulnerable to exposure. She asked that employees notify CSSD if such information is found on their own computers, and to use protective software available from CSSD. She suggested that employees also increase their computers' level of spam and virus filtering and avoid clicking on suspicious websites.

"If you have the slightest hesitation about a website, you have to not go there," she said. And if you click on a link that turns out to be a phishing lure, "one of the things to do is let us know as soon as possible. When we look at all of the risks out there and how busy everyone is, it's really understandable how you could mistake one of these as legitimate."

She recommended using CSSD-provided software for protection. Computrace offers theft recovery services for laptops, tracing the location of a stolen computer and even allowing you to erase its contents from a distance, should such a measure be needed. PGP Whole Disk encrypts a hard drive, Secure Zip encrypts files, Symantec Endpoint Protection blocks viruses and malware that make it through University-wide protections, and Identity Finder discovers sensitive data on your computer. CSSD personnel distributed copies of the last three programs to assembly attendees on flash drives, since Pitt is licensed to allow employees to use the software on their home computers as well.

Walton also suggested employees read CSSD's regular column in the University Times, called Tech Corner, and request department-specific briefings from CSSD's information security officer Sean Sweeney and colleagues.

Mobile devices present new security issues for Pitt that are "nowhere near" as pervasive as those on older networked devices but are increasing, Walton said. Although she noted that there are too many "immature devices" (devices still in their early stages of development) to make it worthwhile for Pitt to obtain or distribute security measures right now, she urged mobile device users to be cautious. Downloaded apps may contain default settings that allow them to access users' personal information, emails or location. Walton recommends changing app settings, backing up your data regularly, keeping your operating system current and using passwords to protect your devices.

Ensuring the security of Internet devices "has become harder and harder to do …" as more and more things, even household appliances, become Internet capable.

"I won't be the one asking you to upgrade the security on your toaster," she said, "but that's not too far-fetched."

—Marty Levine

Marty Levine

Jinx Walton, Pitt's chief information officer, spoke at this year's Staff Association Council spring assembly on "Security: It Takes All of Us."

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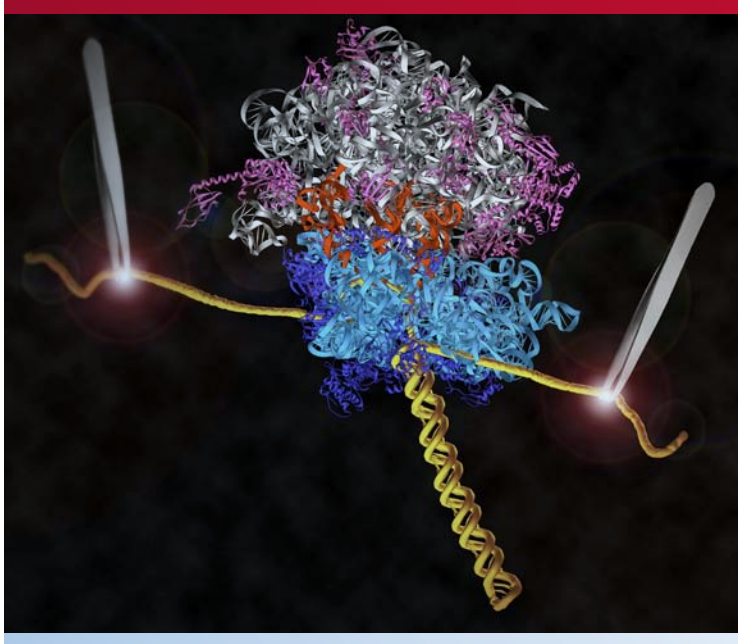
2014 BUHL LECTURE



Carlos Bustamante
Professor of Molecular and Cell Biology and of Chemistry

Raymond and Beverly Sackler Chair of Physics
University of California, Berkeley

BIOCHEMISTRY AND BIOPHYSICS ONE MOLECULE AT A TIME: WHEN LESS IS MORE

4:30 p.m., Tuesday, March 25
Mellon Institute Auditorium

Reception immediately following in Mellon Institute Lobby. Free and open to the public.

Carnegie Mellon University

Sponsored by the Carnegie Mellon Department of Physics. For more information, please contact 412-268-6681. This lecture is funded under the auspices of the Buhl Professorship in Theoretical Physics, which was established at Carnegie Mellon in 1961 by the Buhl Foundation in support of an outstanding theoretical scientist who would both impact theoretical research and help establish directions for experimental investigations.

All SAC elections will be electronic

The Staff Association Council (SAC) voted at its March 12 meeting to hold elections electronically in the future — and the organization has seen no shortage of elections since mid-2013, as committee leadership has been in flux.

Tammeka Banks, in charge of the operations committee, was moved to fill newly vacant leadership at the head of the staff relations committee by a SAC vote, meaning her own position will need to be filled at SAC's next meeting, in April.

The new election provision, which passed with one abstention and no objections, calls for nominations to be submitted exclusively via email. The election then will be done through SAC's election portlet on my.pitt.edu, with Computing Services and Systems Development tabulating the votes.

In the only comment about the change, SAC President Rich Colwell called it "a no-brainer."

Colwell had more doubts about the other bylaw change passed at the meeting, which requires prospective new members to attend an orientation conducted by all SAC officers and committee heads. The orientation, scheduled twice a year, allows SAC officials to explain their duties and offers a chance for the new SAC members to choose a committee on which to serve.

With orientation scheduled so infrequently, Colwell noted, "sometimes that can be a problem … If they missed, they have to wait to redo …"

"They're on the waiting list for the next orientation ..." Banks said.

"... which could be six months," Colwell noted.

Only two of 20 new members missed the previous orientation, Banks reported. The new rule, which had been in effect informally, passed with just a single abstention and no objections.

SAC also announced a brown bag seminar will be held May 20 on the topic of stress management.

—Marty Levine ■

April food drive planned

This year's Pitt food drive, conducted in partnership with the Greater Pittsburgh Community Food Bank, will run April 1-30.

Collection bins will be set in major buildings throughout the Pittsburgh campus. An online donation link at pittsburghfoodbank.org/pitt also will be available. All Pitt donations are matched by Chancellor Mark A. Nordenberg.

The most highly sought after items are cereal (low sugar, high fiber); canned tuna or salmon packed in water; canned fruit packed in water or 100 percent juice; canned beans; peanut butter; hand soap/toiletries; toilet/facial tissue; laundry detergent; adult or infant diapers, and canned vegetables (low or no sodium).

Food drive updates and additional details are available on the Community and Governmental Relations Facebook page at facebook.com/PittCGR page. ■

Affordable Care Act session set

The School of Social Work is hosting an Affordable Care Act information and sign-up session noon-6 p.m. March 24 in 2017 Cathedral of Learning. Enroll America, a national nonprofit with local offices, is reaching out to educate and enroll those who are in need of affordable health insurance.

The deadline for signing up for insurance is March 31. ■

GO GREEN!

Sign up for UTDirect, the University Times electronic headline service, at www.utimes.pitt.edu

Coming Soon . . .

University of Pittsburgh Testing Center

G-33 Cathedral of Learning

University of Pittsburgh
Neurology

RESEARCH ASSOCIATE

The Department of Neurology is seeking an experienced and highly motivated scientist interested in Parkinson's disease to join an active research group within the Pittsburgh Institute for Neurodegenerative Diseases at the University of Pittsburgh.

Candidates should have a PhD in neurosciences or a related discipline, and extensive postdoctoral experience encompassing neurobehavioral studies in rats and mice, stereotactic surgery including intra-cerebral inoculation of viral vectors, HPSC analysis of neurochemicals, histological analysis of tissues and toxin models of Parkinson's disease (including the rat rotenone model). Candidates should be able to take the lead on day-to-day running of a research project, including documentation of research results and adherence to regulatory requirements. An appointment will be made as a Research Associate outside the tenure stream, at a starting salary of $40,000 - $52,000 per annum depending on experience and qualifications. Applicants should submit a curriculum vitae and letter of interest to:

Edward A. Burton, MD
Assistant Professor of Neurology
7015 Biomedical Sciences Tower 3
3501 Fifth Avenue, Pittsburgh, PA 15213
eab25@pitt.edu

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Diversity & Sustainability

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Free Event

Spring Supplier Show

Celebrating Diversity & Sustainability

Free Food

Thursday, April 03, 2014
10:30 AM - 2:30 PM
Soldiers & Sailors Ballroom

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*Pitt*Benefits

Office of Human Resources • March 2014

Step Up, Step Out Corporate Wellness Challenge

Partnering with the Pittsburgh Business Group on Health and the American Heart Association, the University of Pittsburgh is participating in a 10-week Corporate Wellness Challenge that tracks steps in a competition-style format. Activities counted are not limited to walking. Gardening, housework, golfing, and more are converted into steps and evaluated on a week-to-week basis. Learn how to increase physical activity in unique ways with fitness experts. Keep track of your steps to compete with coworkers and employees of companies nationwide.

Did you know?

- According to a Harvard University study, you will gain about two hours of life expectancy for each hour of regular exercise, no matter what age you begin.
- Brisk walking for as little as 30 minutes a day can bring heart-health benefits and reduce your chances for a stroke by lowering bad cholesterol (LDL) levels and high blood pressure.
- By making physical activity part of your everyday life (e.g., walking at lunch, biking to work or playing basketball in your free time), you can begin to see other benefits, including:
  - Controlling your weight;
  - Managing stress;
  - Boosting energy levels;
  - Preventing bone loss.

What are you waiting for?

Sign up as an individual or with a team (must have five employees)! Join at any time. The program runs from April 2 – June 10.

For details on registration and tracking information, please visit the Human Resources Department web site announcements section at www.hr.pitt.edu.

Introducing MyUPMC!

MyUPMC, formerly known as UPMC HealthTrak, is the new, comprehensive way to connect to your health care. After accessing **MyUPMC**, you will be able to view outpatient medical information, communicate with your doctor, and have access to the UPMC Health Plan secure member website, *My*Health *Online*. *My*Health *Online* is a resource available in addition to **MyUPMC** and provides access to review your spending, see claims that have been paid, and links to a variety of tools to help you manage your health and health care.

With MyUPMC you can:

- View test results and medical history for adults and children;
- Renew prescriptions;
- Request appointments;
- Pay bills or ask billing questions;
- Manage family health records;
- Track chronic conditions;
- Go mobile with an app for iPhone and Android devices.

MyUPMC lets you communicate with your doctor and access your medical records anytime, anywhere, through your computer, tablet or smart phone.

You are eligible to use **MyUPMC** if you are 18 years of age or older and have access to the Internet. You also may have the ability to use MyUPMC if you are the parent or legal guardian of a minor patient. Certain restrictions to information may apply. Legal guardians must provide a court order to obtain proxy access for a minor patient. There is no cost to participate; however, certain features within MyUPMC may have associated fees.

If you previously had a HealthTrak account, you can use your existing username and password. You can sign up for a new account by visiting MyUPMC.com and completing an online application. You will be asked to verify a series of questions to confirm your identity and upon successful verification of your identity, a **MyUPMC** access code will be given to you. If you have difficulties, please email help@myupmc.com or call the MyUPMC support line at **1-866/884-8579**, option 2.

Upcoming Financial Seminar

The Benefits Department, in collaboration with Vanguard, is offering a workshop entitled "Feeling Secure: Taking Control of Your Financial Life" as part of the faculty and staff development program. This interactive workshop is developed for faculty and staff who are interested in a comprehensive financial planning overview. Participants will be provided with an overview of several financial planning topics. The course begins with a discussion of the importance of taking control of your finances by determining your net worth, creating a spending plan and managing credit. This is followed by a detailed discussion of retirement investing that includes sections on basic terminology, appropriate asset mix, investment portfolio construction and explanations of the types of available retirement plans. The workshop concludes with a discussion of planning for the unexpected, with reviews of the role of estate and insurance planning. Details of the workshop follow:

Presenter: Vanguard
Date: Thursday, March 27, 2014
Time: 9 a.m.–noon
Location: 342 Craig Hall

To register for this workshop, please go to www.hr.pitt.edu/fsdp.

Important Vendor Contact Information

Benefits Department
Office hours: 8 am-5 pm EST, 320 Craig Hall
412-624-8160 (Main Line) • 412-624-3485 (Fax)

Please visit our web site, **www.hr.pitt.edu/benefits**, for FAQs, downloadable forms and other benefits information.

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UPMC HEALTH PLAN

RESEARCH NOTES

Fu receives career award

Freddie Fu has received the Elizabeth Winston Lanier Award for his career contribution to anterior cruciate ligament (ACL) reconstruction and advances in patient care. Considered the Nobel Prize of orthopaedic research, the award was bestowed by the Kappa Delta Sorority along with the Orthopaedic Research and Education Foundation. It was presented to Fu in New Orleans at the 2014 annual meeting of the American Academy of Orthopaedic Surgeons (AAOS).

Fu, the David Silver Professor and chair of the Department of Orthopaedic Surgery and founder of the UPMC Center for Sports Medicine, also will receive honors in Europe and Asia over the next four months. The European Society of Sports Traumatology, Knee Surgery and Arthroscopy is scheduled to present its highest honor to Fu by making him a lifetime honorary member and a member of its Hall of Fame — the first person from Pennsylvania, the second from the United States and only the fourth inductee to date. He was unanimously endorsed for the award by the eight-member board of directors.

In July, the Japanese Orthopaedic Society of Knee, Arthroscopy and Sports Medicine will make Fu only the fourth surgeon — and second from the Western Hemisphere — recognized with the Masaki Watanabe Award for international achievement in arthroscopic surgery.

In the past quarter-century, roughly 600 fellows from around the world have come to Pittsburgh to train. In addition to caring for patients, overseeing orthopaedics and sports medicine, and serving as the head team physician for Pitt athletics, Fu also remains committed to research and education. He is among the first eight faculty members of the School of Medicine to receive Pitt's designation as a Distinguished Service Professor.

Researchers win Cozzarelli Prize

Researchers at the School of Medicine and Magee-Womens Research Institute (MWRI) have been awarded the Cozzarelli Prize in the biomedical sciences. The award was for a July 2013 paper in the Proceedings of the National Academy of Sciences (PNAS) that showed the cells of the placenta may have a unique ability to prevent viruses from crossing from an expectant mother to her fetus and can transfer that trait to other kinds of cells.

Senior authors **Yoel Sadovsky** and **Carolyn Coyne** and their research team will be honored April 27 at a ceremony in Washington, D.C., during the National Academy of Sciences annual meeting.

Sadovsky serves as Elsie Hilliard Hillman Chair of Women's Health Research, faculty member in the School of Medicine and MWRI director, while Coyne is a faculty member in the Department of Microbiology and Molecular Genetics and an MWRI member.

Co-authors for the paper who also will be honored include **Elizabeth Delorme-Axford, Rogier B. Donker, Jean-Francois Mouillet, Tianjiao Chu, Avraham Bayer, Yingshi Ouyang, Tianyi Wang, Donna B. Stolz, Saumendra Sarkar** and **Adrian E. Morelli**.

The research team studied human trophoblast cells in the lab, exposing them to a panel of viruses. Unlike nonplacental cells, trophoblasts were resistant to viral infection, but that trait was not a result of an inability of viruses to bind or enter the cells. When the fluid in which the trophoblasts were cultured was transferred to nonplacental cells, such as those that line blood vessels, they became resistant to viral infection as well.

The team found that when the fluid was exposed to sound waves in a process called sonication, viral resistance no longer was transferred to nonplacental cells. This finding led them to take a closer look at exosomes, tiny spheres called nanovesicles that are secreted by trophoblasts and are sensitive to sonication. Fragments of genetic material called microRNAs contained within the exosomes, as well as lab-synthesized mimics of them, were able to induce autophagy, a mechanism of prolonged cellular recycling and survival. Blocking autophagy at least partially restored the cells' vulnerability to viral infections.

The Cozzarelli Prize is named for the late PNAS editor-in-chief Nicholas R. Cozzarelli and acknowledges papers that reflect scientific excellence and originality.

Study shows excessive deer populations hurt native plant biodiversity

A research team led by **Susan Kalisz**, a faculty member in the Department of Biological Sciences, published a paper online in the Proceedings of the National Academy of Sciences that takes a long view on why invasive garlic mustard plants thrive to the detriment of native species.

The study, initiated in 2003 at the Trillium Trail Nature Reserve in Fox Chapel, concludes that an overpopulation of deer (the density of deer in the U.S. is about four-10 times what it was prior to European settlement of North America) is the primary reason garlic mustard is crowding out native plants, such as trillium, which are preferred food for wild deer.

Garlic mustard (*Alliaria petiolata*) is native to Europe and Asia and is inedible by deer standards. It was brought to the United States — Long Island, N.Y., specifically — in the 1860s for use as a kitchen herb.

Instead it became a menace, colonizing forest floors in the eastern U.S. and Canada. It has been found in Washington state, Utah and British Columbia, achieving the dubious distinction of being one of very few non-native plants to successfully invade forest understories. The persistence of garlic mustard greatly reduces forest biodiversity.

To study the effect of rampant deer on trillium and garlic mustard populations, Kalisz and colleagues established multiple 196-square-meter plots in the forest, half of which were fenced to exclude deer. Years of observation and hours of statistical analysis later, Kalisz and her colleagues found that in plots where deer were excluded, the trillium population is increasing and the garlic mustard population is trending toward zero.

This study shows that two major ecological and management problems are linked: an excess of deer in temperate forests and an invasion of these forests by exotic plants.

3-D tissue repair structures?

Researchers from the Swanson School of Engineering and the McGowan Institute for Regenerative Medicine are proposing that if 3-D printers, or additive manufacturing, can produce custom replacement parts for machines, the same process could be used to create biodegradable tissue repair structures for the human body.

"Additive Manufacturing of Biomedical Devices From Bioresorbable Metallic Alloys for Medical Applications" was one of 15 projects selected by America Makes, the National Additive Manufacturing Innovation Institute, as part of its second call for additive manufacturing (AM) applied research and development projects. The project's principal investigator is **Prashant Kumta**, a faculty member in the Swanson school and the School of Dental Medicine; co-principal investigator is **Howard Kuhn**, also from the Swanson school. **Patrick Cantini**, director of scientific collaborations for UPMC and director of the McGowan Institute's Center for Industry Relations, will serve as project manager.

Corporate partners include ExOne, Magnesium Elektron and Hoeganaes Corp. The $590,000 contract is for an 18-month period.

In addition to precise modeling of a body structure, additive manufacturing allows for the use of biodegradable alloys that serve as functional scaffolds for inducing cells to grow as well as platforms for delivering biological molecules and antibiotics, rather than as artificial implants.

A process called "sintering" cures the scaffolds to provide structural integrity to the bonded particles. During this phase of the research, the scaffolds will be evaluated for biocompatibility, bioresorption and mechanical properties. Some of the biomedical devices such as bone fixation plates and screws, as well as tracheal stents, will be produced in preparation for later clinical studies.

The University Times Research Notes column reports on funding awarded to Pitt researchers and on findings arising from University research.

We welcome submissions from all areas of the University. Submit information via email to: utimes@pitt.edu, by fax to 412/624-4579 or by campus mail to 308 Bellefield Hall.

For submission guidelines, visit www.utimes.pitt.edu/?page_id=6807.

Researcher receives AHA fellowship

While the development of artificial vascular grafts has advanced, one of the drawbacks is a high rate of aneurysms, leading to rupture and massive bleeding. But engineers at the Swanson school are exploring the use of new polymers in arterial replacements to better prevent aneurysm formation as they remodel into "neoarteries."

Arturo Valentin is the recipient of an American Heart Association (AHA) Great Rivers Affiliate postdoctoral fellowship for "A Predictive Computational Tool for Creating Tissue-engineered Arteries." Valentin is a postdoctoral researcher with a focus on mechanobiology in the Swanson school's Department of Mechanical Engineering and Materials Science.

Valentin notes that by studying the underlying biological mechanisms at work in neoartery formation, researchers can develop a more effective graft that reduces risk of aneurysms.

"This AHA fellowship will support our research to build replacement arteries utilizing advanced synthetic polymers as grafts that better treat patients with peripheral artery disease or who must undergo cardiac bypass surgery," he said.

Valentin believes that over the next several years his research will move to clinical trials in humans and "ultimately help bring much improved arterial replacements to patients."

IS profs win best paper award

School of Information Sciences faculty members **Leanne Bowler** and **Eleanor Mattern** received the Lee Dirks Best Paper Award at iConference 2014 for "Developing Design Interventions for Cyberbullying: A Narrative-based Participatory Approach." Co-authored with Cory Knobel of the University of California-Irvine, the paper presented a user-generated framework for designing affordances that would counter acts of cyber bullying on social media sites. Using narrative inquiry as a research methodology, the authors invited two focus groups to map out a cyber bullying story and overlay it with a set of design recommendations that, in the participant's view, might alleviate mean and cruel behavior online.

2 faculty win Google awards

Rosta Farzan, faculty member in the School of Information Sciences, and **Diane Litman**, a faculty member in the Department of Computer Science, won 2014 Google Faculty Research Awards. Of the 691 proposals from 46 countries, 115 projects were funded.

Farzan's award was for research in human-computer interaction.

Litman's award was for her work in natural language processing.

The Google Research Awards provide one-year unrestricted awards to support full-time faculty pursuing research in areas of interest to Google's mission.

Swanson faculty member honored

The Materials Research Society (MRS), an international, interdisciplinary organization of materials researchers from academia, industry and government, recently named **Anna C. Balazs** among its 2014 class of 22 new fellows. Balazs is a faculty member in the Swanson school and a researcher in the computational design of chemo-mechanically responsive gels and composites.

Balazs was recognized "for pioneering contributions to the prediction of materials behavior, ranging from nanocomposites to self-healing materials to oscillating gels, through the development of novel computational models."

Pitt prof part of team showing how identical cells differentiate

British mathematician Alan Turing's accomplishments in computer science are well known; he's the man who cracked the German Enigma code, expediting the Allies' victory in World War II. He also had a tremendous impact on biology and chemistry. In his only paper in biology, Turing proposed a theory of morphogenesis, or how identical copies of a single cell differentiate, for example, into an organism with arms and legs, a head and tail.

Now, 60 years after Turing's death, researchers from Pitt and Brandeis University have provided the first experimental evidence that validates Turing's theory in cell-like structures.

The team published its findings in the Proceedings of the National Academy of Sciences on March 10.

In 1952, Turing was the first to offer an explanation of morphogenesis through chemistry. He theorized that identical biological cells differentiate and change shape through a process called intercellular reaction-diffusion. In this model, chemicals react with each other and diffuse across space — say between cells in an embryo. These chemical reactions are managed by the interaction of inhibitory and excitatory agents. When this interaction plays out across an embryo, it creates patterns of chemically different cells. Turing predicted six different patterns could arise from this model.

At Brandeis, researchers created rings of synthetic, cell-like structures with activating and

CONTINUED ON PAGE 10

RESEARCH NOTES

CONTINUED FROM PAGE 9

inhibiting chemical reactions to test Turing's model. **G. Bard Ermentrout**, a faculty member in Pitt's Department of Mathematics, undertook mathematical analysis of the experiments.

The researchers observed all six patterns plus a seventh not predicted by Turing.

In addition, they noticed that, as Turing theorized in the 1950s, the once identical cell-like structures, now chemically different, also began to change in size due to osmosis. This may explain how some cells, further down the development assembly line, become large egg cells or tiny sperm cells.

Swanson profs get NSF award for undergrad research program

The National Science Foundation awarded Department of Chemical and Petroleum Engineering faculty members **Joe McCarthy** and **Cheryl Bodnar** a grant of $383,431 to lead a research experience for undergraduates (REU) program. The program will expose some students to the research going on in the department.

NIH renews grant for research into viruses, cancer pathways

The National Institutes of Health (NIH) has renewed a grant of more than $2 million for **Patrick Moore**, director of the molecular virology program at the University of Pittsburgh Cancer Institute (UPCI), to continue research into the newest human cancer virus causing most Merkel cell carcinomas.

A team led by Moore and **Yuan Chang** discovered the Merkel cell polyomavirus in 2008, the seventh human cancer virus identified and the second discovered by Moore's group under the original NIH grant that expires March 31. The new grant will fund the research through March 2019.

Moore, Chang and their colleagues identified a protein that allows the usually harmless polyomavirus to transform healthy cells into Merkel cell carcinoma, a rare but deadly skin cancer. They hope their work — which emphasizes the importance of fundamental basic science research to medical progress — soon can be translated into human clinical trials.

"Viruses are an important model for cancer research," Chang said. "We've found that it may be possible to kill cancerous tumors by targeting the pathways these viruses use. That's significant when you consider that 20 percent of all cancers are related to infectious diseases."

Analysis guides hospital programs in community health

An analysis led by the Graduate School of Public Health offers insights for nonprofit hospitals in implementing community health improvement programs.

In a special issue of the Journal of Health Care for the Poor and Underserved that focuses on the Affordable Care Act (ACA), a multidisciplinary team of Pitt researchers explored published research on existing community benefit programs at U.S. hospitals and explained how rigorous implementation of such programs could help hospitals both meet federal requirements and improve the health of the populations they serve.

Lead author **Jessica Burke**, a faculty member in the Department of Behavioral and Health Sciences, and her colleagues note that "community health needs assessments," which are required by the ACA and rely on large surveys and input from community stakeholders, including minorities and underserved populations, can provide information to help guide the development of community benefit programs, as well as provide data needed to assess their impact.

By evaluating 106 scientific articles detailing hospital-based community benefit programs, Burke and her colleagues were able to categorize the programs into those based in the hospital and those administered at a community facility, finding that the programs were split almost evenly.

Hospital-based programs typically included preventative screenings or health education. Outside the hospitals, the programs included hospital after-care and benefits and coverage counseling, but largely were community-based programs, either with or without a community partner organization, such as a local school or community center.

According to senior author **Everette James**, faculty member in the Department of Health Policy and Management, the analysis reinforces the value hospitals and health systems can derive from partnering with public health professionals to design their community health needs assessments and determine the best community benefit programs to address those needs.

UPMC worked with Burke and her colleagues at the public health school and Pitt's Health Policy Institute to conduct community health needs assessments for 13 of its hospitals, which the health system then used to guide its community benefit programs and set community health improvement goals.

High intake of fish oil may benefit cardiovascular health

Eating fish in amounts comparable to those of people living in Japan seems to impart a protective factor that wards off heart disease, according to an international study funded by NIH and led by the Graduate School of Public Health.

Middle-aged Japanese men living in Japan had a lower incidence of coronary artery calcification, a predictor of heart disease, than middle-aged white men living in the United States, likely due to the significantly higher consumption of omega-3 fatty acids found in fish. The findings were published in the March 6 issue of the journal Heart.

Marine-derived omega-3 fatty acids, which are found in fish, especially oily fish, as well as in squid and krill, may help to reduce inflammation and slow the formation of fatty plaques in arteries.

Researchers at Pitt, including lead author and public health faculty member **Akira Sekikawa**, partnered with scientists in Japan, Hawaii and Philadelphia to follow nearly 300 men for five years, tracking multiple factors that affect cardiovascular health. These factors included cigarette smoking, alcohol consumption and the level of cholesterol in the blood, as well as their rates of diabetes and high blood pressure.

After accounting for risk factors for heart disease, the U.S. men had three times the incidence of coronary artery calcification as the Japanese men. Meanwhile, the levels of marine-derived omega-3 fatty acid in the blood were more than 100 percent higher in the Japanese than in the U.S. men.

The average dietary intake of fish by Japanese people living in Japan is nearly 100 grams each day, which the American Heart Association considers 1.5 servings.

The average American only eats about seven-13 grams of fish a day.

Heart disease is the leading cause of death in the U.S. and globally, according to the World Health Organization. However, Japan bucks this trend, with cancer as the leading cause of death.

Biomarkers can warn of deadly kidney illness

A national, multicenter study led by Pitt researchers found biomarkers that can tell a physician if a patient is at risk for acute kidney injury (AKI), a condition that often affects those in intensive care and can occur hours to days after serious infections, surgery or taking certain medications.

The results, available online in the American Journal of Respiratory and Critical Care Medicine, validates previous research from this group identifying the biomarkers, known as tissue inhibitor of metalloproteinase 2 (TIMP-2) and insulin-like growth factor binding protein 7 (IGFBP-7) in urine, that signal the kidneys are stressed and at risk for failing. The biomarkers are indicators of cell damage, a key component in the onset of AKI.

Senior investigator **John Kellum** of critical care medicine and director of the Center for Critical Care Nephrology, said: "AKI remains one of the most common complications among critically ill patients, affecting up to 7 percent of all hospitalized patients, yet we lack a precise and reliable method of discerning risk. By providing actionable information, this study advances the translation of biomarker technology into routine practice."

Investigators enrolled 420 critically ill patients. The primary analysis assessed the ability of the biomarkers to predict moderate to severe AKI within 12 hours of test measurement. To confirm the findings, a committee of three independent expert nephrologists who were blinded to the results of the test reviewed the cases to diagnose AKI.

AKI is asymptomatic, particularly in the early stages when intervention is most beneficial. The incidence of AKI is high among critically ill patients, with up to 50 percent developing some degree of AKI during their illness, increasing the risk of death due to kidney failure.

Co-authors of the study include researchers from 23 medical centers nationwide. The study was sponsored by Astute Medical. Kellum has received grant support and consulting fees from Astute Medical. ■

—Compiled by Alex Oltmanns

UNIVERSITY OF PITTSBURGH

FACULTY

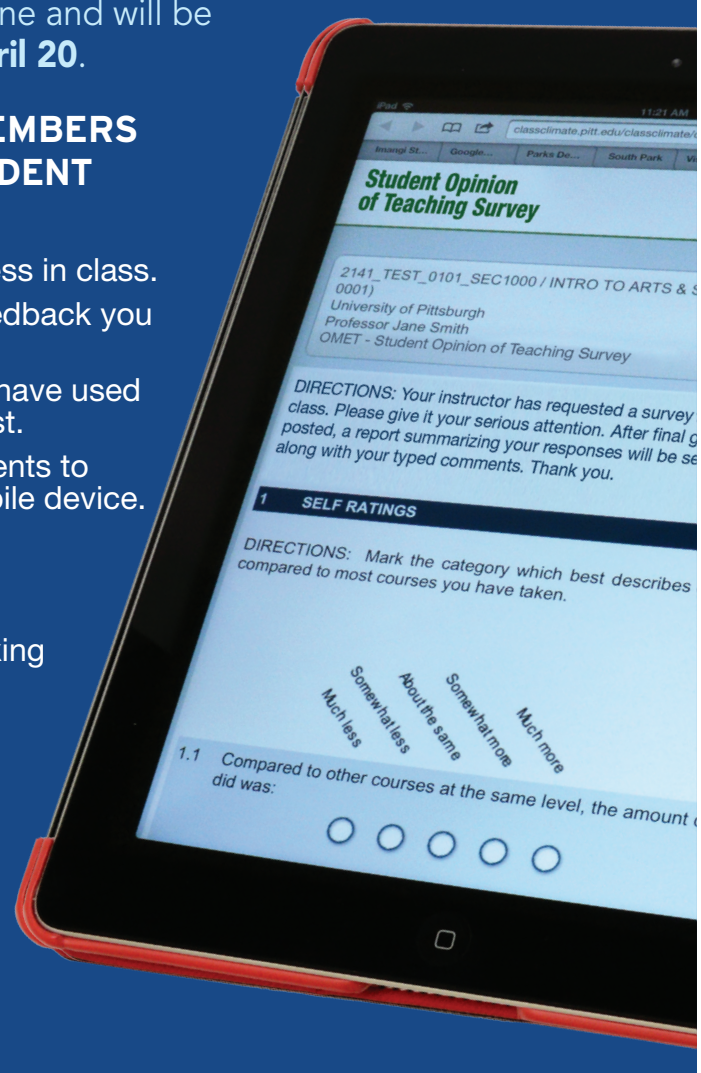
FEEDBACK IS GOOD!

Pitt's Office of Measurement and Evaluation of Teaching (OMET)'s **Student Opinion of Teaching Surveys** are online.

All surveys are available online and will be administered **March 31–April 20**.

WHAT CAN FACULTY MEMBERS DO TO ENCOURAGE STUDENT PARTICIPATION?

- Talk about the survey process in class.
- Inform students that the feedback you receive matters.
- Give examples of how you have used student feedback in the past.
- Allow time in class for students to complete surveys on a mobile device.
- Post announcements and reminders on CourseWeb/ Blackboard.
- E-mail students directly asking them to participate.



To request your **SPRING 2014 SURVEY**, go to my.pitt.edu, My Resources, OMET Survey Request.

University of Pittsburgh

For more information, visit **omet.pitt.edu** or call **412-624-6440**.

PEOPLE OF THE TIMES

Senior Judge **John M. Cleland** of the McKean County Court of Common Pleas will address this year's Pitt-Bradford graduating class. Cleland, who also is a member and past chair of UPB's advisory board and a native of Kane, will deliver the keynote address during commencement exercises April 27 in the KOA Arena in the Richard E. and Ruth McDowell Sport and Fitness Center.

A Pitt faculty member was among the 2014 American Educational Research Association (AERA) fellows. **Mary Kay Stein**, a faculty member in the School of Education's Department of Administrative and Policy Studies and at the Learning Research and Development Center, was one of 22 researchers selected.

Fellows are selected based on their research achievements. They will be inducted on April 4 at AERA's annual meeting in Philadelphia.

Jennifer Engel is the new director of the Osher Lifelong Learning Institute, housed in the College of General Studies.

Engel most recently served as director of outcomes and performance management at the Sarah Heinz House (SHH), a Boys & Girls Club on Pittsburgh's North Side. Throughout her 15-year career with SHH, she led and participated in numerous local, regional and national committees. Engel has served as the chair of the professional development committee for Allegheny Partners for Out of School Time (APOST), a group working toward professionalizing the afterschool field.

Engel holds an MS in applied developmental psychology from Pitt's School of Education.

Christopher A. Kirchhof, a faculty member in the Swanson School of Engineering, has been elected as the advising transfer students chair of the National Academic Advising Association (NACADA). Kirchhof will assume this role at the end of the NACADA annual conference in October and serve until October 2016.

NACADA promotes quality academic advising and professional development for its membership to ensure the educational development of students. The group has 10,000 members consisting of faculty members, professional advisers, administrators, counselors and others in academic and student affairs concerned with the intellectual, personal and vocational needs of students.

Georgia State University College of Law and its Center for Law, Health & Society have selected 10 faculty fellows to participate in its public health law education fellowship program. One of the award recipients is School of Law faculty member **Elizabeth Bjerke**. Bjerke teaches public health law and also is a faculty member in the Department of Health Policy and Management at the Graduate School of Public Health. With the other fellows, Bjerke will help create a practice-based course related to preventive services under the Affordable Care Act.

Bjerke is a frequent lecturer on emergency preparedness law. Her projects include researching the public health system with respect to emergency preparedness and response, integrating traditional legal analysis with social networking principles and analyzing hydraulic fracturing's environmental impacts.

Five faculty members will serve as mentors in the program. One of the mentors is School of Law faculty member **Mary Crossley**.

At the recent Music Library Association's annual conference in Atlanta, the MLA Citation was awarded to **James P. Cassaro**, a faculty member in Pitt's Theodore M. Finney Music Library. The MLA Citation is the association's tribute for lifetime achievement and is awarded in recognition of distinguished service to music librarianship over a career.

Cassaro has held many positions in MLA, including president, Notes editor-in-chief, treasurer, fiscal officer and development officer.

The People of the Times column features recent news on faculty and staff, including awards and other honors, accomplishments and administrative appointments.

We welcome submissions from all areas of the University. Send information via email to: utimes@pitt.edu, by fax at 412/624-4579 or by campus mail to 308 Bellefield Hall.

For submission guidelines, visit www.utimes.pitt.edu/?page_id=6807.

Linda Siminerio, a faculty member in the School of Medicine and director of the University's Diabetes Institute, has been appointed chairman-elect of the National Diabetes Education Program (NDEP), a joint program of the National Institutes of Health and the Centers for Disease Control and Prevention (CDC).

Siminerio will serve as acting chair of NDEP starting in 2015.

English department faculty member **Yona Harvey** has received the Kate Tufts Discovery Award, which carries a prize of $10,000. The award is given annually for a first book by a poet of promise Harvey is the author of the poetry collection "Hemming the Water." Her work also has appeared in jubilat, Callaloo, Crab Orchard Review, Rattle and The Volta, among others.

This year's awards ceremony will be held April 10. ■

—Compiled by Alex Oltmanns

ARMS AND THE UNIVERSITY
Monday, March 24
4-5:30 p.m.
WPU Lower Lounge

Speakers:
Donald A. Downs
Alexander Meiklejohn Professor of Political Science, Law and Journalism,
University of Wisconsin-Madison

Ilia Murtazashvili
Assistant Professor, Graduate School of Public and International Affairs,
University of Pittsburgh

Will be discussing their book ***Arms and the University***
with responses from ROTC leadership and Pitt students

FIND OUT MORE AT cgs.pitt.edu/arms

- Do on-campus military programs help bridge the widening gap between civilians and the military?
- How has the relationship between the military and universities evolved from the Vietnam War, to the "Don't Ask, Don't Tell" era and the repeal of 'DADT'?

CGS UNIVERSITY OF PITTSBURGH COLLEGE OF GENERAL STUDIES

Sponsored by the College of General Studies and
Air Force ROTC program at the University of Pittsburgh
Army ROTC program at the University of Pittsburgh
Graduate School of Public and International Affairs
Naval ROTC program at Carnegie Mellon University
Office of Veterans Services
Pitt Vets
Matthew B. Ridgway Center for International Security Studies
School of Health and Rehabilitation Services
University Honors College
Kenneth P. Dietrich School of Arts and Sciences departments:
Communication, English, History, Political Science, Sociology

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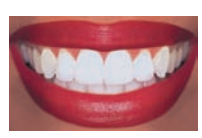

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CALENDAR

March

Thursday 20

CIDDE TA Workshop
"Developing a Teaching Portfolio"; 815 Alumni, 10 am (www.cidde.pitt.edu/workshops)
Office of Academic Career Development Workshop
"Work/Life Effectiveness: Fostering Resilience," Tom Koloc & Steven Wendell; S120 BST, 10 am-noon (oacd@hs.pitt.edu)
Molecular Biophysics/Structural Biology Seminar
"All That & a Bag of CHIPs: Structure/Function Studies of Cytosolic Protein Quality Control," Saurav Misra, Cleveland Clinic; 6014 BST3, 11 am
HSLS Postdoc Talks
"Ethical Considerations for Scientific Image Manipulation," Emily Wickline; Falk Library classrm. 2, noon-2 pm (iwema@pitt.edu)
SAC Benefits Seminar
"Flexible Spending Accounts"; WPU Assembly Rm., noon
IRB Seminar
"Protecting Your Data: What Every Researcher Should Know"; O'Hara Ballrm., noon (www.irb.pitt.edu)
Fulbright U.S. Student Program Info Session
Tony Claudino; 1228 CL, 12:30 pm
Chemistry Seminars
"Hydrazone-Based Switches, Flurophores & Sensors," Ivan Aprahamain, Dartmouth, 2:30 pm; David Wei, Fordham, 4 pm; 150 Chevron
CGS Open House
CL 4th fl., 3 pm (www.cgs.pitt.edu/infosession)
Senate PUP Committee Mtg.
4127 Sennott, 3 pm
Women's Studies Lecture
"The Politics of Sex: 2012 & Beyond," Susan Hansen, political science; 2201 Posvar, 4 pm (www.wstudies.pitt.edu)
Geology/Planetary Science Colloquium
"From Small Watersheds to Regions: Variation in Hydrologic Response to Urbanization," Krissy Hopkins; 11 Thaw, 4 pm
History Lecture
"The General & the Music Teacher: Tracing Orality in the Dirty War Archives of Chile," Steve Stern, U of WI-Madison; 2500 Posvar, 4:30 pm (www.history.pitt.edu)
Bradford Campus Hunger Awareness/Friendship Table Fundraiser
"Empty Bowls & Baskets"; Mukaiyama U Rm. Frame-Westerberg Commons, UPB, 5-7 pm
Bradford Campus Musical Performance
"Supreme Reflections"; Bromeley Family Theater, UPB, 7:30 pm (showtix@pitt.edu)
UHC Lecture
"Talk About It," Jordan Burnham; O'Hara, 9 pm

Friday 21

Middle States Commission on Higher Education Town Hall Mtg.
"Characteristics of Excellence: Standards for Accreditation," Renaissance Hotel, 107 6th St., Downtown, 9 am-noon (register: www.univsenate.pitt.edu)
IEE Workshop
"The 2nd Step: Developing a Business Plan"; Mervis, 7:30-10 am (RSVP: iee@katz.pitt.edu)
EUCE Policy Conf.
"Environment & Energy: Comparison of US & EU Policies"; PAA, 8 am-8 pm (also March 22, 8:30 am-8 pm; register: http://tinyurl.com/lu2rujr)
Senate CUC Mtg.
717 CL, 10 am
Women's Studies Lecture
"Sonic Wounds: Narratives of Sorrow & the Migrant Circuits of Brown Feelings," Armando Garcia; 2201 Posvar, 10 am (www.wstudies.pitt.edu)
Psychiatry Clinical Grand Rounds
"Comprehensive Recovery Service"; WPIC aud., noon
Emerging Legends Concert
Jay Hitt; Cup & Chaucer, gr. fl. Hillman, noon
Human Genetics Seminar
"Congenital Disorders of Glycosylation: 70 Syndromes & Counting Stars?" Eva Morava-Kozicz, Tulane; A115 Crabtree, noon
Office of Academic Career Development Workshop
"Humanities to Administration," Zsuzsa Horvath, dental public health; 1105ABC Scaife, noon (oacd@hs.pitt.edu)
Johnstown Campus CIDDE Workshops
"Best Practices for Online Teaching," noon; "Turnitin: OriginalityCheck, GradeMark, PeerMark," 1:30 pm; "Digital Media Tools for Teaching," 3 pm, 203 Blackington, UPJ (www.cidde.pitt.edu/workshops)
CIDDE TA Workshop
"Designing In-Class Activities," 815 Alumni, 1 pm (www.cidde.pitt.edu/workshops)
Senate BPC Mtg.
156 CL, 1 pm
iSchool Colloquium
"Do It Once, Do It Right: Building a Scalable Predictive Modeling Platform for Biomedical Research," Jimeng Sun; 501 IS, 1:30 pm (http://ischool.pitt.edu/colloquia/is-series.php)
Senate EIADAC Mtg.
826 CL, 2 pm
Katz/Sociology/Social Work Lecture
"Making the New Economy Work in Pittsburgh," Gar Alperovitz, U of MD; FFA aud., 2 pm (www.business.pitt.edu/katz/berg)
GSPIA Johnson Inst. Exemplary Leadership Awards Ceremony
UClub Ballrm. B, 3:30-5:30 pm (RSVP: gspiaji@pitt.edu)
Allegheny Observatory Lecture
"The Higgs Boson: A Story of Broken Marriages," Ayres Freitas; 159 Riverview Ave., 7:30 pm (RSVP: 412/321-2400)

Saturday 22

Pitt/United Way Good Neighbor Day
10 am-3 pm (register: http://cgr.pitt.edu/community/join.html)
SHRS Open House
Forbes Twr., 10 am-1 pm

Sunday 23

Episcopal Service
Heinz Chapel, 11 am (Sundays: http://pittepiscopalchaplaincy.wordpress.com/)

Monday 24

• Fall term enrollment appointments begin.

Social Work Health Insurance Event
"Get Covered America," 2017 CL, noon-6 pm
CGS Lecture/Panel Discussion
"Arms & the University," Donald Downs, U of WI-Madison, & Ilia Murtazashvili, GSPIA; WPU lower lounge, 4 pm (www.cgs.pitt.edu/arms)
Biological Sciences Lecture
"The Art of the Soluble: Cyclodextrin's Unanticipated Journey From Excipient to Therapeutic for the Rare Brain Disease Niemann-Pick Type C," Steven Walkley, Albert Einstein College of Medicine; 169 Crawford, 4 pm (www.biology.pitt.edu)
American Experience Lecture
"Higher Education in 21st Century America: The Promise & the Pain," Mark Nordenberg; UClub Ballrm B, 7:30 pm (RSVP:www.thornburghforum.pitt.edu)

Tuesday 25

Cell Biology Seminar
"Novel Insights Into the Biology & Pathophysiology of the Proprotein Convertases," Nabil Seidah; 520 E&EI, 11 am (cspokora@pitt.edu)

CONTINUED ON PAGE 13

Fifth Annual
AMY STINE WORKSHOP
on Holistic Medicine

Saturday, April 12
Frick Fine Arts Auditorium

Program Schedule

8:15 Registration and Breakfast
8:45 Welcome and Remembrance
9:00 **"Mindfulness Meditation - What is it? And Why is Everyone Talking About it?"**
Carol M. Greco, PhD
Assistant Professor of Psychiatry, University of Pittsburgh School of Medicine
9:30 **"Unraveling the Mystery of Mindfulness: How Meditation Training Affects Physical Health"**
J. David Creswell, PhD
Associate Professor of Psychology, Carnegie Mellon University
10:30 Morning Break
10:50 Experiential Program
11:30 Lunch
12:30 Keynote Address: **"Talking to Your Doctor: Trying to Understand What Your Doctor is Thinking"**
Robert Arnold, MD
Professor of Medicine, University of Pittsburgh
1:30 Q & A

This activity has been approved for AMA PRA Category 1 Credit(s)TM for physicians. Continuing education credit will also be available for psychologists, NCC Counselors, social workers, and other health care professionals for a fee.

Pre-registration is required by April 5.
$20 for full-time students, $30 for the general public, $60 for those receiving continuing education credits.
For more information, contact Jeanette Adams.
Phone: 412-623-1203
Email: cim@upmc.edu

Amy Stine was a much beloved holistic family physician in the Pittsburgh area with a private practice addressing body, mind and spirit. This workshop is offered in her memory and provides healing concepts for both the medical professional and the public.

UNIVERSITY TIMES publication schedule

Events occurring	*Submit by*	*For publication*
April 3-17	**March 27**	**April 3**
April 17-May 1	April 10	April 17
May 1-15	**April 24**	**May 1**
May 15-29	May 8	May 15
May 29-June 12	**May 22**	**May 29**
June 12-26	June 5	June 12
June 26-July 10	**June 19**	**June 26**
July 10-24	July 3	July 10
July 24-Aug. 28	**July 17**	**July 24**

The University Times events calendar includes Pitt-sponsored events as well as non-Pitt events held on a Pitt campus. Information submitted for the calendar should identify the type of event, such as lecture or concert, and the program's specific title, sponsor, location and time. The name and phone number of a contact person should be included. Information should be sent by email to: utcal@pitt.edu, by FAX to: 412/624-4579, or by campus mail to: 308 Bellefield Hall. We cannot guarantee publication of events received after the deadline.

CALENDAR

CONTINUED FROM PAGE 12

MMR Seminar
"Advances in Treatment of Rett Syndrome," Jeffrey Neul, Baylor; Rangos aud., noon (linda.cherok@chp.edu)
CIDDE Workshop
"Destination Diversity," Dhanfu Elston; B26 Alumni, noon (register: www.cidde.pitt.edu/elston)
MMG Seminar
George O'Toole, Dartmouth; 503 Bridgeside Pt. II, 3:15 pm
Pharmacology/Chemical Biology Seminar
"Genes That Govern Lipid Homeostasis to Balance Reproduction & Aging," Arjumand Ghazi, Children's; 1395 BST, 3:30 pm (3-7757)
IEE Workshop
"Urban Power to Prosper Program: Positioning Your Business Within a Competitive Landscape"; UClub, 5:45-8:45 pm (8-1544)
CIDDE TA Workshop
"Developing a Lesson Plan"; 815 Alumni, 6 pm (www.cidde.pitt.edu/workshops)

Wednesday 26

Orthopaedic Surgery Grand Rounds
Juan Giugale; LHAS aud. Montefiore, 7 am (moenichrj@upmc.edu)
Clinical Oncology & Hematology Grand Rounds
"Augmenting Cancer Therapy Through Diet," Colin Champ, radiation oncology; Herberman aud. UPMC Cancer Pavilion, 8 am (millerc5@upmc.edu)
CIDDE Workshop
"Assertion Evidence Slide Design," 815 Alumni, noon (www.cidde.pitt.edu/workshops)
Pathology Seminar
"Mitochondrial Dynamics in Cell Death: A Tale of Two Membranes," Zheng Dong, Medical College of GA; 1104 Scaife, noon
Artful Wednesdays Performance
Umoja; Nordy's, WPU, noon (pittarts@pitt.edu)
HSLS Workshop
"Microarray Data Analysis," Uma Chandran; Falk Library classrm. 2, 1-4 pm (ansuman@pitt.edu)
CIDDE TA Workshop
"Cheating & Plagiarism"; B26 Alumni, 1 pm
Chemistry Lecture
"Vibrational Stark Spectroscopy Connects Electrostatics to Catalytic Rates at Enzyme Active Sites," Steven Boxer, Stanford; 150 Chevron, 2:30 pm

Thursday 27

Renal Electrolyte Symposium
"Nephrotic Syndrome in Pediatric Patients: Clinical Challenges & Evidence-Based Management"; Rangos aud., 7 am-5:15 pm (cml97@pitt.edu)
Int'l Video Conference
"The View From Ukraine: A Digital Video Conference With US Embassy in Kyiv," 9 am (www.ucis.pitt.edu/euce)
HSLS Postdoc Talk
"How to Analyze Protein Expression in Cell Culture & Tissue Specimens," Sandra Cascio; Falk Library classrm. 2, 10 am-noon (iwema@pitt.edu)
Molecular Biophysics/Structural Biology Seminar
Mark Yeager, UVA; 6014 BST3, 11 am
CIDDE TA Workshop
"Developing a Teaching Philosophy Statement"; G74 Hillman, 11 am (www.cidde.pitt.edu/workshops)
ADRC Lecture
"Matching of [C-11]PiB PET & Post-Mortem Measures of Amyloid-Beta Load: Technical Considerations," Julie Price, radiology & biostatistics; ADRC conf. rm. Montefiore, noon
Office of Academic Career Development Forum
"2014 Women in Medicine & Science"; 11th fl Scaife, 12:30 pm (also March 28 at 11:30 am; register: oacd@hs.pitt.edu)
Chemistry Seminars
"Significance of New Approaches: How Umpolung Translated Triazoles Into Cyanocarbenes," Mitchell Croatt, UNC-Greensboro, 2:30 pm; "New Molecules & Materials for Studying Carbohydrate Recognition," Amit Basu, Brown, 4 pm; 150 Chevron (www.chem.pitt.edu)
Law Review Symposium
"Challenging Authority: A Symposium in Honor of Derrick Bell," roundtable discussions, Alcoa Rm. Barco, 2:30 pm; reception & opening lecture, Charles Ogletree, Harvard, Barco, 6-9 pm (also March 28, UClub, 8 am-5 pm; www.law.pitt.edu)
Geology/Planetary Science Colloquium
"Climatic & Anthropogenic Feedbacks to Atmospheric Methane Emissions," Amy Townsend-Small, U of Cincinnati; 11 Thaw, 3:45 pm
UHC Lecture
"Making a Difference in Climate Change Discourse: The UN &/or Popular Movements," Robert Orr, UN Inst. of Training & Research; O'Hara, 4 pm
Provost Inaugural Lecture
"The Teachings of *Sus Scrofa*: What I Have Learned From 25 Years of Resuscitation Research," James Menegazzi, emergency medicine; Scaife lect. rm. 6, 4 pm
Women's Studies Lecture
"Recent Work in Masculinity Studies," Gabby Yearwood, anthropology, & Scott Kiesling, linguistics; 2201 Posvar, 4 pm (www.wstudies.pitt.edu)

Friday 28

HSLS Workshop
"Painless PubMed," Pat Weiss; Falk Library classrm. 1, 11:30 am (pwf@pitt.edu)
Economics Lectures
"Epistemic Foundations for the Failure of Nash Equilibrium," Paul Healy, Ohio State, noon; "Occupational Choice, Human Capital & Financing Constraints," Rui Castro, Université de Montréal, 3:30 pm; 4716 Posvar (www.econ.pitt.edu)
Psychiatry Lecture
"Fulfilling the Promise of Molecular Medicine in Fragile X & Autism: Progress & Pitfalls," Mark Bear, MIT; WPIC aud., noon
Emerging Legends Concert
Pitches & Tones; Cup & Chaucer, gr. fl. Hillman, noon
Health Equity Grand Rounds Lecture
"The Role of Family Formation in Social Inequality," Rebecca Maynard, Penn; G23 Parran, 1 pm (healtheq@pitt.edu)
iSchool Colloquium
Aisling Kelliher; 501 IS, 1:30 pm (http://ischool.pitt.edu/colloquia/sis-series.php)
Renal-Electrolyte Grand Rounds
"Mechanisms Integrating Podocyte Junctional Integrity & Cytoskeletal Dynamics," Lawrence Holzman, Penn; F946 Presby; 12:15 pm (cml97@pitt.edu)
CIDDE TA Workshop
"Gender, Authority & Teaching," 815 Alumni, 2:30 pm (www.cidde.pitt.edu/workshops)

CONTINUED ON PAGE 14

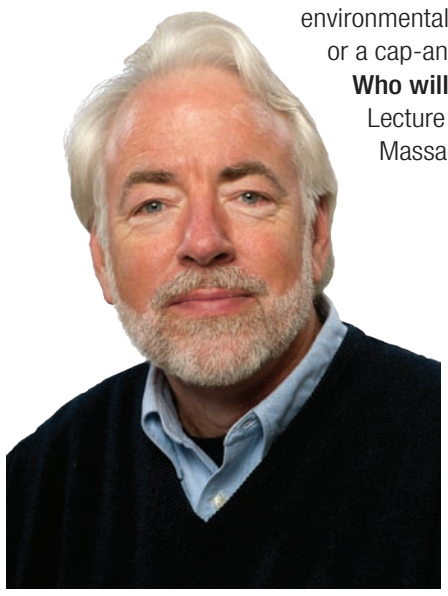
THE UNIVERSITY OF PITTSBURGH HONORS COLLEGE
CLIMATE CHANGE SERIES

The University of Pittsburgh Honors College in cooperation with The Carnegie Museum of Natural History, Phipps Conservatory and Botanical Gardens, and The National Aviary presents:

James K. Boyce

"Climate Policy as Wealth Creation"

We need to drive investment in renewables and energy efficiency through economic signals, including carbon pricing as well as conventional environmental regulations. If and when we price emissions, via a carbon tax or a cap-and-permit system, a crucial economic and politicalquestion is: **Who will get the money?** Join us for the next Climate Change Lecture by energy economist James K. Boyce from the University of Massachusetts, Amherst.



a panel discussion will follow the lecture featuring:
Erica Cochran, Carnegie Mellon University
Paul Ohodnicki, National Energy Technology Laboratory
Stephen Rose, Carnegie Mellon Electricity Industry Center
Moderated by **Christina Gabriel,** University Energy Partnership

reserve a seat at tinyurl.com/JamesBoyce

MARCH 31
4:30 PM
UNIVERSITY CLUB

CALENDAR

CONTINUED FROM PAGE 13

Music Lecture
"The Amazing Bud Powell: His Tests & Triumphs," Guthrie Ramsey, Penn; 132 Music, 4 pm

Saturday 29

Bradford Campus Women's History Month Luncheon
"Gift From the Sea"; Mukaiyama U Rm. Frame-Westerberg Commons, UPB, 11:30 am

Sunday 30

Organ Recital
IUP students; Heinz Chapel, 3 pm

Monday 31

Provost Inaugural Lecture
"SOS: Mitochondrial Distress Signals in Parkinson's Disease," Charleen Chu, neuropathology; Scaife lect. rm. 6, 4 pm
UHC Climate Change Lecture
"Climate Policy as Wealth Creation," James Boyce, UMass-Amherst; UClub Ballrm. B, 4:30 pm
Student Gov't. Lecture
"Arab Spring: Implications for US Relations Abroad," Michael Slackman, NY Times; WPU Assembly Rm., 8 pm

A PRESENTATION BY
The New York Times
DEPUTY FOREIGN EDITOR
MICHAEL SLACKMAN

ARAB SPRING: GLOBAL IMPLICATIONS FOR U.S. RELATIONS ABROAD
MONDAY, MARCH 31, 2014
8 – 9 p.m.
WILLIAM PITT UNION ASSEMBLY ROOM
3959 FIFTH AVENUE, PITTSBURGH
Sponsored by the University of Pittsburgh and The New York Times Readership Program in collaboration with the Student Government Association.

The New York Times inEDUCATION

April

Tuesday 1

CIDDE TA Workshop
"Using Office Hours Effectively"; 815 Alumni, 1 pm (www.cidde.pitt.edu/workshops)
CTSI Workshop
Esa Davis; 7039 Forbes Twr., 1:30 pm (kschmidt@pitt.edu)
Faculty Assembly Mtg.
2700 Posvar, 3 pm
HSLS Workshop
"Painless PubMed," Melissa Ratajeski; Falk Library classrm. 1, 3 pm (mar@pitt.edu)
Pharmacology/Chemical Biology Seminar
Shivendra Singh; 1395 BST, 3:30 pm (mmcclain@pitt.edu)
Mascaro Ctr./Heinz Distinguished Lecture
"Sleeping Naked & Showering in the Dark: The Fun Path to Green Living," Vanessa Farquharson; WPU Ballrm., 4:30 pm (register: www.mascarocenter.pitt.edu/heinzlecture)

Wednesday 2

Hematology/Oncology Grand Rounds
"Novel Applications of Microbubble Ultrasound Delivery of Cancer Drugs," Flordeliza Villanueva; Herberman aud. UPMC Cancer Pavilion, 8 am (millerc5@upmc.edu)
CIDDE TA Workshop
"Teaching a Six-Week Course"; 815 Alumni, 9 am (www.cidde.pitt.edu/workshops)
Pathology Research Seminar
"The Top Down Hallmarker of Cancer," Jose Costa, Yale; 1104 Scaife, noon (szalkuskict@upmc.edu)
HSLS Workshop
"Primer Design & Restriction Analysis," Carrie Iwema; Falk Library classrm. 2, 1-4 pm (iwema@pitt.edu)
Greensburg Campus FAFSA Sessions
210 Cassell, UPG, 5-8 pm (www.greensburg.pitt.edu/fafsa)

Thursday 3

Molecular Biophysics/Structural Biology Seminar
Andrew VanDemark; 6014 BST3, 11 am
Emerging Legends Concert
Squirrel Hillbillies; Cup & Chaucer, gr. fl. Hillman, noon
EOH Seminar
"Acute Kidney Injury From Chronic Ethanol Ingestion: Oxidized Phospholipids & Angry Neutrophils," Thomas McIntyre, Cleveland Clinic; 540 Bridgeside Pt., noon
CIDDE TA Workshops
"Writing Tests for Math, Natural Sciences & Engineering, B26 Alumni, 1 pm; "Encouraging Student Participation," 815 Alumni, 2 pm (www.cidde.pitt.edu/workshops)
Chemistry Seminar
"Unconventional Pipetting for Bioanalysis," Lane Baker, IN U; 150 Chevron, 2:30 pm
Geology/Planetary Science Colloquium
Steven Ruff, AZ State; 11 Thaw, 3:45 pm
ACC Conf.
"Meeting of the Minds"; O'Hara, FFA & UClub, 5:30 pm-8 pm (also Fri. 8 am-10:30 pm; Sat. 8 am-12:30 pm; www.accmom2014.pitt.edu/)
Contemporary Writers Lecture
Jeff Sharlet; FFA aud., 8:30 pm (4-6508)

Defenses

Public Health/Behavioral & Community Health Sciences
"Concordance of Race/Ethnicity of Interventionists & Caregivers of Dementia Patients: Relationship to Study Outcomes," Kathleen McGinnis; March 20, 210 Parran, 2 pm
A&S/Psychology
"Self-Affirmation: A Regulatory Fit Analysis," Kira Alexander; March 21, Glaser Aud. LRDC, 8:30 am
A&S/Anthropology
"Organization & Growth Among Early Complex Societies in Central Pacific Panama," Charles Adam Berrey; March 21, 3307 Posvar, 9 am
SHRS/Sports Medicine & Nutrition
"Predication of Knee Kinematics During a Stop Jump-Cut Maneuver Using Trunk Neuromuscular Characteristics & Kinematics in a Healthy Physically Active Population," Karen Keenan; March 21, 4014 Forbes Twr., 11 am
Engineering/Bioengineering
"Left Ventricular Function & Cardiac Glycolytic Metabolism in Mouse Models of Hypoxia & Obesity," Rosa H. Rodriguez; March 21, 1295 BST, 1 pm
A&S/Anthropology
"The Flowing Materiality of Crystal: A Global Commodity Chain of Fengshui Objects From Brazil, China to Taiwan," Shih-Hsiang Sung; March 21, 3106 Posvar, 2 pm
A&S/Music
"'A Musical Analysis of the People's Microphone: Voices and Echoes in Protest & Sound Art' & 'Occupation 1 for String Quartet,'" Jeremy Woodruff; March 25, 302 Music, 12:30 pm
A&S/Classics
"Generic Enrichment & Reader Expectation in Horace's Odes," John Scanlon; March 25, 5601 Sennott, 4 pm
Public Health/Epidemiology
"Cardiovascular Disease & Mobility Disability in Rural Older Indians: The Mobility & Independent Living in Elders Study (MILES)," Tushar Singh; March 26, 622 Crabtree, 8:30 am
SHRS/Occupational Therapy
"Examining the Effects of a Repetitive Task Practice Program Among Individuals With Unilateral Spatial Neglect," Emily Grattan; March 26, 4065 Forbes Twr., 2 pm
Public Health/Epidemiology
"A Computational Method for the Analysis of Pain Patterns & Progression of Pancreatitis With a Large Number of Predictor Variables," Ye Tian; March 26, 101 Parran, 2 pm
Nursing
"Symptom Experience Following Lung Cancer Surgery," Kathleen Hopkins; March 27, 451 Victoria, 10:30 am
A&S/History & Philosophy of Science
"Time & the Foundations of Quantum Mechanics," Thomas Pashby; March 28, G28 CL, 9 am
A&S/Music
"A Radical Idiom: Style & Meaning in the Guitar Music of Derek Bailey & Richard Barrett," Aaron Brooks; March 28, 302 Music, 1 pm
SHRS/Sports Medicine & Nutrition
"Predictors of Knee Functional Joint Stability in Uninjured Physically Active Adults," Nicholas Clark; March 28, 4014 Forbes Twr., 1 pm
A&S/Economics
"Evaluating Public Policy Using Life-Cycle Models," Yue Li; April 2, 4900 Posvar, 11 am
Pharmacy/Pharmaceutical Sciences
"The Preclinical & Clinical Pharmacology of Benzaldehyde Dimethane Sulfonate (BEN) for the Treatment of Renal Cell Carcinoma," Robert Parise; April 2, 456 Salk, 11 am
Public Health/Biostatistics
"A Permutation-Based Correction Method for Pearson's Chi-Square Test on Data With an Imputed Complex Outcome: A Modified EM Algorithm for Contingency Table Analysis With Missing Data," Megan Olson Hunt; April 3, 109 Parran, 10 am
A&S/History
"Estrangement & Reconciliation: French Socialists, German Social Democrats, and the Origins of European Integration, 1948-1957," Brian Shaev; April 3, 3703 Posvar, 1 pm
Public Health/Epidemiology
"Translation of the Diabetes Prevention Program to the Community: Evaluation of Implementation Issues," Karl Vanderwood; April 3, A523 Crabtree, 1:30 pm

CONTINUED ON PAGE 15

THE • HEINZ • DISTINGUISHED • LECTURE • SERIES

sleeping NAKED and showering in the DARK

the fun path to green living

VANESSA FARQUHARSON

Tuesday, April 1, 2014
William Pitt Union Ballroom, 3959 Fifth Avenue
4:30 p.m. Lecture | 5:30 p.m. Cocktail Reception

Register online by March 24 at www.mascarocenter.pitt.edu/heinzlecture

Questions? E-mail Kim at kaw54@pitt.edu

Free parking will be provided directly across from the William Pitt Union in the Soldiers and Sailors garage. Simply bring your parking ticket to the registration desk for validation.

UNIVERSITY OF PITTSBURGH Mascaro Center for Sustainable Innovation
PITT SWANSON ENGINEERING CIVIL & ENVIRONMENTAL
Carnegie Mellon STEINBRENNER INSTITUTE for Environmental Education & Research

CALENDAR

CONTINUED FROM PAGE 14

Theatre

Greensburg Campus Night of Magic
"A Very Potter Musical"; April 3-5, Ferguson Theatre, UPG, 7:30 pm
Theatre Arts Production
"In the Heights"; March 27-April 6, Charity Randall Theatre, Tu-Sat 8 pm, Sun 2 pm (www.play.pitt.edu/content/heights)

Exhibits

Barco Law Library
"Gardens of Repose" by Larry Hankowitz; through May 16, M-Th 7:30 am-10 pm, F 7:30 am-6 pm, Sat 10 am-6 pm, Sun noon-8 pm
Hillman Library
"Oakland: A Look Back Over the 20th Century"; Hillman gr. fl., through Aug. 8, Sun 10 am-F 10 pm & Sat 9 am-10 pm

Deadlines

Ethical Issues in Pain Management Conf.
Registration deadline March 28 for April 4 conf. (https://ccehs.upmc.com/liveformalcourses.jsf)
NIH Women's Health Training Grant
Submit application documents by March 28. (http://bircwh.pitt.edu/content.asp?id=1422#1890)
Amy Stine Workshop on Holistic Medicine
Registration deadline April 5 for April 12 event. (cim@upmc.edu)
Clinical & Translational Research Training Opportunities
Application deadline is April 15. (www.icre.pitt.edu/degrees/admissions_degrees.html)
Annual Conflict of Interest Disclosure Forms
Deadline is April 15. (www.coi.pitt.edu or 412/383-2828)
Burroughs Wellcome Fund 2015 Career Awards for Medical Scientists
Preliminary applications due by June 16. (www.oorhs.pitt.edu/searchfunding/ShowNomination.aspx?nominationId=10775)
Chancellor's Affirmative Action Award
Nomination deadline May 2 to the University Senate office, 1234 CL. (8-7860)

Event Deadline

The next issue of the University Times will include University and on-campus events of April 3-17. Information for events during that period must be received by 5 pm on March 27 at 308 Bellefield Hall. Send information to utcal@pitt.edu.

MASTER OF ARTS IN BIOETHICS

Designed for clinicians, lawyers, and students of the humanities and social sciences, this interdisciplinary program emphasizes the philosophical foundation of bioethics and offers opportunities for clinical experience and in-depth research.

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University of Pittsburgh

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- Applications are considered on a rolling basis, February 1 – August 1 or until the class is filled.
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For information and application materials:
Director of Admissions
Center for Bioethics and Health Law
Barco Law Building, Room 519
3900 Forbes Avenue
Pittsburgh, PA 15260

bioethic@pitt.edu • 412-648-7007 • www.bioethics.pitt.edu

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- $8 for up to 15 words; $9 for 16-30 words; $10 for 31-50 words.
- For University ads, submit an account number for transfer of funds.
- All other ads should be accompanied by a check for the full amount made payable to the University of Pittsburgh.
- Reserve space by submitting ad copy one week prior to publication. Copy and payment should be sent to University Times, 308 Bellefield Hall, University of Pittsburgh, Pittsburgh 15260.
- For more information, call Barbara DelRaso, 412/624-4644.

HOUSING/RENT

OAKLAND
N. Dithridge St. (near Bayard). 1-BR apartment in secure condo, pre-war building, near medical center. Includes: DR, LR, parquet floors, extra storage space, 24-hour garage attendant. $1,150/mo. includes all utilities. Parking outor indoor: ($43/$85/mo.) No pets. Available mid-June, 2014. Contact: Maria191956@yahoo.com.

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UNIVERSITY OF PITTSBURGH

The American Experience
DISTINGUISHED LECTURE SERIES
of the Dick Thornburgh Forum for Law & Public Policy and the University Honors College

Mark A. Nordenberg

"Higher Education in 21st Century America: The Promise and The Pain"

Featuring University of Pittsburgh Chancellor **Mark A. Nordenberg**

Monday, March 24, 2014, 7:30 p.m.
University Club, Ballroom B
123 University Place, Pittsburgh, PA 15260

Seating is limited, and registration is required.
RSVP today at **www.thornburghforum.pitt.edu**.

For more information or to be added to the Thornburgh Forum e-mail news list, contact **Kimberly Carson** at **kac15@pitt.edu**.

Suggested Parking:
Soldiers & Sailors garage, entrance on Bigelow Boulevard

This lecture is cosponsored by the Dick Thornburgh Forum for Law and Public Policy and the University Honors College.

This event is free and open to the public.

University of Pittsburgh
Dick Thornburgh Forum for Law and Public Policy
Dick Thornburgh Room, Hillman Library
3960 Forbes Avenue
Pittsburgh, PA 15260

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UNIVERSITY **TIMES**

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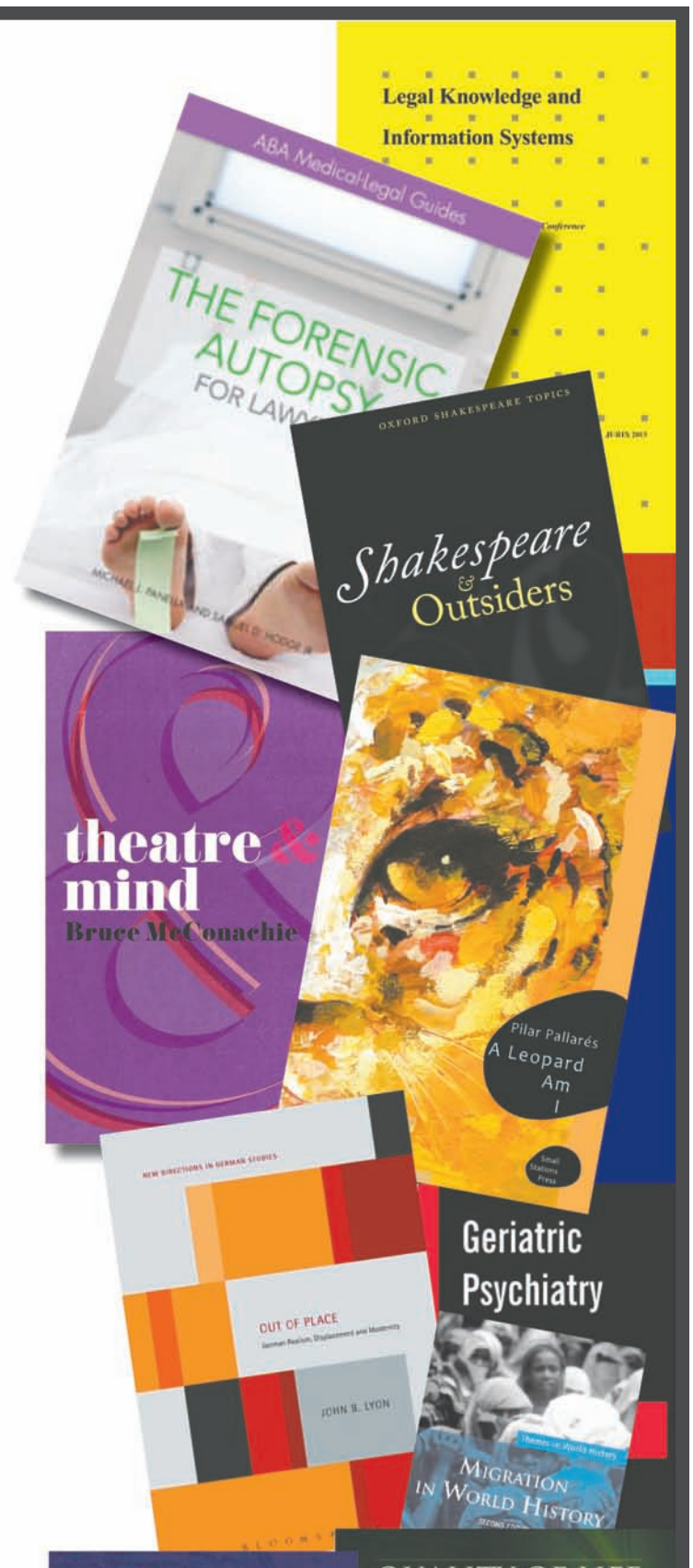
annual supplement



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Thursday, April 3

Michael Spring

Also next issue:

Senate presidential candidate Q&A

Incumbent University Senate President Michael Spring & challenger Alexandre R. Vieira respond to questions posed by the University Times.

Alexandre R. Vieira