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\$12 Million NIH Grant to Study Genetics of Mental Illnesses in Deletion Syndrome Patients



Raquel Gur

A major international consortium led by Penn Medicine has received a \$12 million National Institute of Mental Health (NIMH) grant for a large-scale genetics study investigating why patients with chromosome 22q11.2 deletion syndrome have an increased risk of schizophrenia and other psychiatric disorders.

Co-directed by Raquel E. Gur, director of the Neuropsychiatry Program at the Perelman School of Medicine at the University of Pennsylvania, the International Consortium on Brain and Behavior in 22q11.2 Deletion Syndrome brings together top researchers and clinicians from 22 institutions, including Penn Medicine and The Children's Hospital of Philadelphia (CHOP) and five genotyping sites, across North America, Europe, Australia and South America.

With the four-year grant from the NIMH, part of the National Institutes of Health, the Consortium will study the genetic causes behind the high rates of schizophrenia and other psychiatric disorders in those with deletion syndrome, a multisystem disorder that includes birth defects and developmental and behavioral differences across the life span. Such findings may also help identify pathways leading to schizophrenia in the general population in a way that will inform new treatments.

"The funding from the NIH will provide us with the opportunity to advance the understanding of this under-recognized neurogenetic condition," said Dr. Gur. "The knowledge generated can provide a window to the brain that will benefit millions throughout the world."

Co-directing the overall consortium with Dr. Gur is Donna McDonald-McGinn, program director of the "22q and You Center" at CHOP. They frequently collaborate on chromosome 22q research, as the principal investigators of the project's sites at their respective institutions.

Found in approximately 1 in 4,000 live births, 22q11.2 deletion syndrome has many possible signs and symptoms that can affect almost any part of the body, including heart abnormalities that often require surgery in the newborn period, an opening in the roof of the mouth, trouble fighting infection due to a poorly functioning immune system, seizures due to low calcium and significant feeding and swallowing issues. In contrast, some individuals with the 22q11.2 deletion have none of these medical issues. However, most children have developmental delays including delayed acquisition

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Launching the Warren Center for Network & Data Sciences at Penn



Michael Kearns



Rakesh Vohra



Robin and Fred Warren

The University of Pennsylvania has launched a new, interdisciplinary research effort to study and solve problems using the tools of the digital age. The Warren Center for Network & Data Sciences officially opened at an event last week.

It is led by founding director Michael Kearns, professor in computer and information science in the School of Engineering & Applied Science, and co-director Rakesh Vohra, a Penn Integrates Knowledge Professor with appointments in electrical and systems engineering at SEAS and economics in SAS.

Serving as a complement to the Engineering undergraduate program in Network and Social Systems Engineering, it provides funding in the form of graduate and postdoctoral fellowships, connects faculty and students from different disciplines and brings in outside experts to advance research in this cutting-edge field.

The integration of computers in all facets of modern life has led to an explosion in networks and the amount of data flowing through them. This information has enabled the more efficient management of electrical grids and new research techniques in fields ranging from sociology to astronomy to genetics. But this proliferation of information can be a double-edged sword; social media networks, for example, have opened the doors to new ways of studying populations but also raise questions about privacy and the commodification of user data.

"We're not just going to study networks and the data they generate," Dr. Kearns said, "but also the thorny social implications that go along with them. We don't want to just be engineers that look only at the technical problems, but we want to look at the policy and social problems and find solutions for them."

While The Warren Center is formally located within Penn Engineering, the broad scope of its mission has attracted 30 inaugural members spanning Wharton, the School of Arts & Science, the Perelman School of Medicine, Penn Law and the Annenberg School for Communication. This interdisciplinary approach is intrinsic to the solution-oriented nature of the Center's research agenda.

"If you see the same answer coming up when you look at the problem in a number of different ways, it's probably a good indicator that's the right answer to the question," Dr. Vohra said.

"We're planning on funding research projects that, in addition to being scientifically stellar, have some chance of doing social good," Dr. Kearns said. "Network science can show which kidney is compatible with each recipient, and it needs to draw on algorithms, networks and big data sets, but, at the end of the day, this was a research project that saved people's lives."

A homegrown example of the kind of work The Warren Center hopes to encourage comes from member Dr. Shawndra Hill, an assistant professor at Wharton who has led a multi-year project that uses crowdsourcing to map the location of defibrillators in public spaces.

The Warren Center was made possible by a donation from Fred and Robin Warren. Mr. Warren is an alumnus of both Penn Engineering, ME'60, and Wharton, WG'61 and is a member of the Engineering Board of Overseers.

The Warrens have been early adopters of many successful inventions and ventures, helping shape the communities that foster innovation. Through the funding of The Warren Center, they wish to help shape a community which fosters, inspires and leads innovation and new ventures.

"Penn Engineering's steadfast commitment to innovation is what keeps me engaged with Penn," Mr. Warren said. "We hope that The Warren Center will become the premier academic and technology incubator of its kind."

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Death

At press time *Almanac* learned of the death of Lawrence Klein, Benjamin Franklin Emeritus Professor of Economics and Nobel Prize winner. His work provided the foundation for econometric forecasting and is now used as a basic tool by government and industry. Penn awarded him an honorary degree in 2006 (*Almanac* February 28, 2006). Dr. Klein passed away on October 20 at the age of 93.

An obit will appear in next week's issue.

TAPTIMAT CT³N Pilot Grants

The CT³N (Center for Targeted Therapeutics and Translational Nanomedicine) invites Penn researchers from all Schools and partner institutions to submit competitive proposals for Pilot Grants by *December 6, 2013*. The goal of these Pilot Grants is to support early-stage experimental pre-clinical studies in targeted therapeutics and thus assist investigators in obtaining key data to seek extramural funding. The grants will be for up to \$25,000 for one year, starting February 1, 2014.

Please visit: www.itmat.upenn.edu/funding.shtm#CT3N

—Vladimir Muzykantov, Director

\$12 Million NIH Grant to Study Genetics of Mental Illnesses in Deletion Syndrome Patients

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of motor milestones, learning disabilities and significant delays in emergence of language. Moreover, some children have autistic spectrum disorder, ADHD and anxiety.

When entering adolescence or young adulthood, around 25 to 30 percent of patients are at risk of developing schizophrenia, much higher than the one percent rate in the general population.

The Consortium sites have extensive experience in applying integrative genomic and brain-behavior strategies to study individuals with deletion syndrome and schizophrenia and together have provided data on 1,000 genetically and phenotypically characterized individuals with the syndrome, the largest such available sample to date.

"The project is an unprecedented international initiative to examine a common deletion associated with schizophrenia and elucidate its genomic and behavioral substrates," said Dr. Gur.

Ms. McDonald-McGinn added: "Not only does this successful application demonstrate the genuine commitment on the part of the National Institute of Mental Health to better understand the brain and psychiatric illness, but it highlights the need for such international collaborations. In this instance, 22 clinical and five basic science collaborating sites, all with extremely dedicated clinicians and researchers who have overcome the challenges of differing cultures, languages, time zones and healthcare systems, are working toward the common goal of improving patient care and long-term outcome."

In addition to Penn Medicine and the "22q and You Center" at CHOP, participating academic sites in the United States include New York's Albert Einstein College of Medicine, Duke University, Emory University, SUNY Syracuse, UCLA and UC Davis; with sites in Canada (Toronto), Europe (Leuven, Belgium; Marseille, France; Dublin, Ireland; Rome, Italy; Utrecht and Maastricht, the Netherlands; Mallorca and Madrid, Spain; Geneva, Switzerland; Cardiff and London, United Kingdom); Tel Aviv, Israel; Australia (Newcastle); and Chile (Santiago).

The NIH grant supporting the Consortium is U01MH101719.

Bollinger Fellow in Library Innovation: Katie Rawson

The Penn Libraries announced the appointment of Katie Rawson as the Bollinger Fellow in Library Innovation.

Established by Library Board member and University Trustee, Judith Bollinger (WG'81, PAR'14), and her husband, William (PAR'14), the Bollinger Fellow aims to shape innovative library research services and content strategies in support of teaching and learning at Penn.

Dr. Rawson will develop digital projects and assess emerging tools and technologies for humanities research. Working with staff, faculty and students, she will encourage and support open digital scholarship and will edit and curate digital collections at Penn. She will also serve on several internal and external digital humanities committees.

Most recently, Dr. Rawson was a graduate fellow at the Digital Scholarship Commons (DiSC) at Emory and the managing editor of the open-access, multimedia journal *Southern Spaces*.

Dr. Rawson has a PhD from the Interdisciplinary Graduate Institute for the Liberal Arts at Emory University. She has an MA in English from the University of Mississippi and a BA in English from the University of South Carolina. Her scholarly interests focus on media, narrative theory and practice and food studies.



Katie Rawson

From the Office of the University Secretary

Agenda for University Council Meeting

Wednesday, October 30, 2013 4 p.m.
Bodek Lounge, Houston Hall

- I. Approval of the Minutes of October 2, 2013. (1 minute)
- II. Follow Up Questions on Status Reports. (5 minutes)
- III. Presentation by the President on the State of the University. (40 minutes)
- IV. Open Forum. (90 minutes)
- V. New Business. (5 minutes)
- VI. Adjournment.

Penn Trustees' Fall Meetings: November 7-8

All Trustee committee meetings will be held at the Inn at Penn on November 7 and 8.

Call (215) 898-7005 if you plan to attend.

Thursday, November 7

8:30-10 a.m.—Local, National & Global Engagement Committee

10:15-11:45 a.m.—Facilities & Campus Planning Committee

2-3:45 p.m.—Student Life Committee

4-5:30 p.m.—Academic Policy Committee
Budget & Finance Committee

Friday, November 8

11:30 a.m.-12:30 p.m.—Stated Meeting of the Trustees

Call for Honorary Degree Nominations: November 15

Dear Colleagues,

We invite you to nominate candidates to receive honorary degrees from the University of Pennsylvania at the 2014 Commencement ceremony and beyond. Candidates should exemplify the highest ideals of the University, which seek to educate those who will change the world through innovative scholarship, scientific discovery, artistic creativity and/or societal leadership.

We encourage you to involve your faculty colleagues, within and across departments and schools, in the nomination process. Nominations should explain how nominees meet the criteria for selection and outline the nominees' achievements and contributions. Please include as much biographical and other supporting information as possible, but do not contact the nominees, who should not know that they are being considered. We particularly encourage nominations from departments and schools whose fields have not been recognized by the award of honorary degrees in recent years. Please note that it is University policy not to consider Penn standing faculty, trustees or school and center overseers for Penn honorary degrees.

Nominations are welcome any time, but for consideration by this year's University Council Committee, it would be very helpful to have them in hand by *November 15*. Review is ongoing and candidates may ultimately be selected several years after their initial nominations. The University Council Committee's recommendations are forwarded to the Trustee Committee on Honorary Degrees and Awards, which makes the final selection. A list of previous University of Pennsylvania honorary degree recipients can be found at: <https://secure.www.upenn.edu/secretary/HDhome.html>

Please send signed letters of nomination on your official stationery to: University Council Committee on Honorary Degrees, c/o Office of the University Secretary, 211 College Hall/6303. Nominations may also be faxed to (215) 898-0103. Additional information on the honorary degrees process can also be found at: <https://secure.www.upenn.edu/secretary/HonoraryDegrees.php> If you have any questions, please contact Lynne Sniffen at sniffen@upenn.edu or (215) 573-5047.

Penn emeritus faculty are eligible to receive honorary degrees through a special nomination process. University deans propose candidates for consideration by the Council of Deans. The Council's nominations are then reviewed by the President and Provost, and final selection is made by the Trustee Committee on Honorary Degrees.

Honorary degrees are important statements of Penn's values and aspirations, and we strongly encourage your participation in this process.

—Amy Gutmann, President

—Harvey Rubin, Chair, University Council Committee on Honorary Degrees

Vet Finance and Administration: Robert Schieri



Robert Schieri

Robert Schieri has been promoted to the position of Vice Dean, Finance and Administration in the School of Veterinary Medicine. He joined Penn Vet as Executive Director, Finance and Administration in September, 2011 (*Almanac* November 8, 2011). He has represented the School at the University and Board and Dean's Council levels,

and has received enormous acclaim from these groups for his ability to distill and present complex financial information. He has worked tirelessly to reorganize the School's financial expertise so that there is a rational, defensible and transparent budget that they can present to Harrisburg, the University, and their faculty, staff and students. Mr. Schieri has also agreed to serve ex-officio as the financial planning resource for the Working Group on Faculty Strategic Planning.

Prior to coming to Penn Vet, Mr. Schieri served as chief financial officer at the University of Medicine and Dentistry of New Jersey's School of Osteopathic where he provided key leadership in the business planning and financial structure for a proposed \$50 million satellite branch campus and the acquisition of a new electronic medical record system. A graduate of Drexel, Mr. Schieri has also worked for UPHS.

Vet Faculty Affairs/Diversity: Dr. Jacenko

Dr. Olena Jacenko joined the Vet School's Dean's Office as Associate Dean for Faculty Affairs and Diversity. Dr. Jacenko has been serving the Vet School as a Senate member in this arena for years—and has been a co-leader of the Working Group on Faculty Strategic Planning. In the past two years she has developed and is overseeing the School's Diversity Plan, has been representing the faculty actions and school at the Provost level and is part of the Provost's Task Force.

Dr. Olena Jacenko received her undergraduate degree from Columbia University, majoring in biology and Russian. She earned a PhD from the University of Pennsylvania and was a post-doctoral fellow at Harvard Medical School.

Dr. Jacenko is currently a professor of biochemistry at Penn Vet, where she also oversees faculty affairs and diversity. Dr. Jacenko is very active in teaching, serves on most departmental and school teaching curriculum committees and has been instrumental in implementing modifications in Penn Vet's teaching policies and curriculum. Her research is focused on skeletal development and blood cell differentiation, and she developed transgenic mouse models that are being used to define the skeleto-hematopoietic stem cell niche. Dr. Jacenko has been honored with a teaching award by the students three times prior and a Dean's award for leadership in basic science education.



Olena Jacenko

Penn Vet's Ryan Hospital's Comprehensive Cancer Care Program

Penn Vet's Ryan Hospital is changing the face of cancer medicine with a Comprehensive Cancer Care Program—a multidisciplinary approach to evaluate and treat cancer patients. Through this groundbreaking program, the best minds from all aspects of cancer care collaborate and offer solutions that are individually tailored for each patient, resulting in better care, more efficient service and a more complete approach.

For many people, deciding the course of treatment for a pet suffering with cancer is emotionally difficult and overwhelming. Options can vary widely, and navigating through separate appointments with various clinicians, weighing multiple options and deciding on the optimal treatment course can often be confusing and stressful. At Ryan Hospital, board-certified specialists from medical, surgical, and radiation oncology collaborate to provide a comprehensive assessment of each patient's cancer care needs, all in one appointment. The compassionate, knowledgeable team then works with clients every step of the way to navigate through the diagnosis and subsequent treatment plan for their companion animals.

"The expertise has always been here. But this new team-based approach ensures that your pet's every need is met as soon as you walk in the door," said Bo Connell, executive director of Penn Vet's Ryan Hospital. "Representatives from every cancer specialty will be involved in your pet's care, resulting in the best possible treatment for your pet's specific needs."

Ryan Hospital is one of only three veterinary oncology facilities in the country that is able to offer medical, surgical and radiation oncology specialists in a single service, providing more immediate care and expertise in all aspects of

cancer care throughout every step of treatment.

"When you entrust your animal's care to our team, we commit the very best in treatment options," adds Mr. Connell. "With our rich history of clinical expertise, vibrant research and collaborations and a culture of compassion, Penn Vet is truly transforming the standards of cancer care."

Ryan Hospital clients have access to some of the finest medical and radiation oncologists; a top-notch surgery team, including one of the only fellowship-trained surgical oncologists in the area; an interventional radiology specialist; a world-class dentistry and oral surgery team, distinguished by their training in maxillofacial cancer surgery; board-certified nutrition specialists who offer consultations on diet and feeding strategies that may improve quality of life or treatment outcomes; the only board-certified nursing staff in the region; a grief counselor and support group aimed at helping those caring for chronically ill, terminally ill or aging pets; and some of the most modern facilities and equipment in veterinary medicine—all in one building. By continuing fruitful partnerships with Penn Vet's Veterinary Clinical Investigations Center and Penn Medicine to make available novel cancer therapies to patients, the Comprehensive Cancer Care Program can transfer the latest and most cutting-edge research directly to patients.

In addition, Penn Vet is a member of the Comparative Oncology Trials Consortium, which is run by the National Cancer Institute and provides access to a wide range of new cancer drugs in the early stages of testing.

To make an appointment with Penn Vet's Comprehensive Cancer Care team, call (215) 746-8387.

Penn Vet Implementing New EMR System: Project VISION

A key vision of Penn Vet, as depicted by Dean Joan Hendricks, is to build a world-model Electronic Medical Record (EMR) system within both veterinary hospitals, Matthew J. Ryan and the New Bolton Center. After a few years conducting significant assessment of Penn Vet's specific operational needs, along with a comprehensive review of EMRs available within the marketplace, an EMR partner was identified (CurePet). Thanks to a committed leadership and staff, budgeting efforts and generous donations, the herculean effort of an EMR implementation is finally underway.

An initial milestone related to the project was to name it. The EMR project team reached out to the Penn Vet community to request ideas for naming the EMR and received nearly 250 suggestions. The winning name was submitted by Dr. Lillian Aronson: VISION, standing for Veterinary Information System and Integrated Organizational Network.

The high-level goals of Project VISION are to:

- Support the clinical, research and teaching missions of Penn Vet
 - Achieve clinical, administrative and financial effectiveness and efficiencies
 - Provide a seamless view of hospital, client, patient, research and financial information that is user friendly, secure, expandable and accessible from anywhere
 - Provide appropriate access for external parties (e.g., referring veterinarians, clients)
- The multi-year implementation process is organized into two primary phases.

Phase I will enable the Penn Vet community's ability to conduct patient care administration and management online and provide real time access to comprehensive medical records, reliable data and timely billing.

Phase II will enable seamless interfaces with other systems, as well as provide client and referring veterinarian portals.

The EMR project team of VISION consists of the following:

Executive Sponsor—Dean Joan Hendricks

Project Sponsors—Bo Connell (Ryan) and Corinne Sweeney (NBC)

Project Owners—Donna Oakley (Ryan), Rosemarie Richardson (NBC), Matthew Varghese (IT)

Program Manager—Stuart Benoff (ISC)

Software designer and implementers—CurePet (www.curepet.com/)

Change management, communication and training advisors and planning—MJC Consulting

In addition to the primary team described above, the Penn Vet community is critical and will be called on as needed for key insight, advice, EMR testing and training throughout the project. The success of VISION depends on the entire community's support, understanding, excitement and willingness to adapt to the improvements the new system will bring to the school and hospitals.

Stay tuned for future articles about VISION's progress.

—The VISION EMR Project Team

Honors & Other Things

2014 Siebel Scholars

The Wharton School announced the 2014 Siebel Scholars: second-year MBA students *Anne King* and *Martha Kelley*. Each received a tuition grant for the 2013-2014 academic year in recognition of their first-year academic achievement and leadership excellence at Wharton.

Ms. King and Ms. Kelley join a community of more than 870 Siebel Scholars, past and present, representing the world's brightest minds in business, computer science and bioengineering. Founded by the Siebel Foundation, the scholars serve as advisors to the Siebel Foundation and work collaboratively to find solutions to society's most pressing problems.

Ms. King is pursuing an MBA with a concentration in strategic management and marketing. She plans to work in the non-profit sector post-graduation, focusing on education and health challenges in underserved communities.

Ms. Kelley is focusing her studies on real estate and has a particular interest in urban development. She plans to pursue a career in real estate investing, and ultimately hopes to establish a fund of her own that invests in community-enhancing projects.

New Scholar Award: Dr. Fang-Yen

Dr. Christopher Fang-Yen, Wilf Family Term Assistant Professor in the department of bioengineering in the School of Engineering & Applied Science, is the recipient of the 2013 Ellison Medical Foundation New Scholar Award in Aging for his proposal, "High-throughput Imaging of Lifespan and Healthspan in *C. Elegans*." This award is given to exceptional new faculty whose work shows the potential for great impact in understanding lifespan development processes and age-related diseases and disabilities.

Schottenstein Laureate: Dr. FitzGerald

Dr. Garret FitzGerald, professor of medicine and pharmacology; chair of the department of pharmacology; and director of the Institute for Translational Medicine and Therapeutics at the Perelman School of Medicine, is the 2013 recipient of the Jay and Jeanine Schottenstein Prize in Cardiovascular Sciences from The Ohio State University Wexner Medical Center's Heart and Vascular Center.

With the award, the Schottenstein Laureate receives an honorarium of at least \$100,000.

ASTRO Fellow: Dr. Hahn

Dr. Stephen M. Hahn, chairman of the department of radiation oncology and Henry K. Pancost Professor of Radiation Oncology in the Perelman School of Medicine and Abramson Cancer Center, has been named among the ten 2013 Fellows of the American Society for Radiation Oncology.

ASTRO's Fellows Program honors radiation oncology leaders who have made substantial contributions to the field of radiation oncology in the areas of research, education, patient care or service and leadership.



Stephen Hahn

Pillars of Excellence: November 11

If you look up "pillar" in the dictionary, you'll find entries like these: *a supporting, integral or upstanding member or part; a person or thing regarded as reliably providing essential support for something.*

These words describe many of the staff members at Penn who steadfastly provide the strong foundation and support the University needs to thrive and grow. Penn wants to find these often unsung heroes and give them the recognition they so richly deserve.

That's why we've added a brand new category to the Models of Excellence program this year called Pillars of Excellence. The category is designed to celebrate our weekly-paid staff members who do their jobs so well you feel their impact all around you.

You see or interact with pillars of the institution every day: from administrative support to infrastructure services, these staff members keep the University clean, safe and operational for Penn's faculty, staff and students. They provide superior sustained service, support special projects or situations in a notable way, deliver exemplary customer service, exhibit exceptional resourcefulness or creativity, improve processes and contribute to a positive work environment.

If you know any weekly-paid staff members who match this description, show them how much their hard work means by nominating them for a Pillars of Excellence Award. Nominations are due by *Monday, November 11*. Find complete details about the nomination process, including a Pillars of Excellence Nomination Preparation Guide at www.hr.upenn.edu/myhr/appreciation/models/pillarsaward

An award ceremony and reception for all Models of Excellence program honorees will take place on April 3, 2014 in Irvine Auditorium. All members of the campus community are invited.

For help with nominations or for more information about the award ceremony, contact Human Resources at Models@hr.upenn.edu or (215) 898-1012.

—Division of Human Resources

Muscular Dystrophy Association Grants for Neuromuscular Disease Research

The Muscular Dystrophy Association (MDA) has awarded research grants totaling over \$1 million to three Penn Medicine researchers: *Dr. James Shorter*, associate professor of biochemistry and biophysics; *Dr. Hansell Stedman*, associate professor of surgery; and *Dr. Lee Sweeney*, director of the Center for Orphan Disease Research and Therapy.



James Shorter



Hansell Stedman



Lee Sweeney

The newly awarded funds will help support study in three diverse areas:

Dr. Shorter: There are no effective therapies for amyotrophic lateral sclerosis (ALS), a fatal neurodegenerative disorder. In ALS, cytoplasmic protein aggregates accumulate in degenerating motor neurons. In most ALS cases, these aggregates are comprised of the RNA-binding protein, TDP-43. In other cases, they are comprised of Cu/Zn superoxide dismutase 1 (SOD1) or another RNA-binding protein called FUS. "We will generate therapeutic disaggregases for ALS based on Hsp104, a protein from yeast. Hsp104 rescues aggregated proteins and restores their function. We hypothesize that hyperactivated Hsp104 variants can be generated with increased disaggregase activity against TDP-43, FUS and SOD1," said *Dr. Shorter*.

Dr. Stedman: This new project addresses a critical problem in the development of effective therapy for Duchenne Muscular Dystrophy (DMD) and other causally related muscle diseases. "The problem is the immune response to gene transfer in the inflammatory environment of dystrophic muscle," said *Dr. Stedman*. Recombinant gene transfer vectors based on the non-pathogenic adeno-associated viruses have shown great promise in mouse models of muscular dystrophy. Attempts to translate this approach to canine disease models and humans have failed, while providing evidence for

powerful immune responses to vector-associated antigens. "We will identify targets for transient immunosuppression prior to vector administration, thereby improving the chances for safe and durable therapy for these devastating childhood-onset diseases," he adds. "Most of the experiments will use dystrophin-deficient mice to further unravel the complex modes of cell-to-cell communication that take place as muscles attempt self-repair after injury."

Dr. Sweeney: The primary molecular deficiency in Duchenne Muscular Dystrophy (DMD) is the dystrophin protein, and the concomitant reduction in cell-surface glycoproteins. The lack of enough dystrophin makes muscle fibers more susceptible to necrosis, but is not well understood. One proposed mechanism involves abnormal calcium shuttling across the cell membrane, which may eventually lead to skeletal muscle weakness. *Dr. Sweeney's* lab will look at how to modulate the shuttling of calcium in mouse models of DMD.

This grant is part of \$8.4 million awarded by MDA in 31 neuromuscular disease research projects. Many of the grants are multi-year awards to be distributed over several years.

"All of these grants were recommended for funding by the distinguished groups of neuromuscular disease researchers and clinicians voluntarily serving on the MDA Medical and Scientific Advisory Committees," said *Dr. R. Rodney Howell*, chairman of the MDA Board of Directors.

SWCRF Grants: Drs. Lemmon and Pear

Two professors from the Perelman School of Medicine received funding from The Samuel Waxman Cancer Research Foundation (SWCRF) for 2013-2014. *Dr. Mark Lemmon*, George W. Raiziss Professor of Biochemistry and Biophysics, along with other researchers from the University of California, San Francisco and the University of North Carolina, Chapel Hill, are focusing on "HER Family Kinases and Oncogene Addiction in Brain Cancer." *Dr. Warren Pear*, Gaylord P. and Mary Louise Harnwell Professor of Pathology and Laboratory Medicine, is focusing on "Targeting Tribbles in Cancer." Funded investigators become part of the Foundation's unique collaboration, "Institute Without Walls," and are expected to share their findings at the SWCRF annual Scientific Review. Grants range between \$50,000-\$150,000.

Novartis Lectureship: Dr. Molander

Dr. Gary Molander, Hirschmann-Makineni Professor of Chemistry in SAS, was awarded a 2013-2014 Novartis Lectureship. Novartis, the healthcare products company, awards this lectureship to scientists in recognition of outstanding contributions to organic and computational chemistry, including applications to biology. It is intended to enhance the exposure of Novartis' chemical community to cutting-edge chemistry.

French Legion of Honor: Dr. O'Brien

Dr. Charles P. O'Brien, the Kenneth Appel Professor in the department of psychiatry at the Perelman School of Medicine, received the Medal of Chevalier (Knight) of the French National Order of the Legion of Honor, one of the country's highest honors. He was bestowed the honor because of his personal commitment to French-American relations as symbolized by his exceptional cooperation in science and public health. The partnerships he has established with French research units were described as a blueprint for French-American scientific exchanges.

Brilliant 10 List: Dr. Raj

Popular Science magazine named *Dr. Arjun*



Arjun Raj

Raj, assistant professor of bioengineering in the School of Engineering & Applied Science, to its 2013 Brilliant 10 list of young scientists and engineers.

Dr. Raj was recognized for revealing the inner workings of cells. His research interests include molecular engineering, bioengineered therapeutics devices and drug delivery

and cellular and molecular imaging.

Nobel Prize: Dr. Shiller

Dr. Robert Shiller, former professor of economics in Penn's School of Arts & Sciences, shared this year's Nobel Prize in Economics with University of Chicago professors Eugene F. Fama and Lars Peter Hansen "for their empirical analysis of asset prices." Dr. Shiller was on the University of Pennsylvania faculty from 1974-1982. Currently, he is the Sterling Professor of Economics at Yale University.

For a list of Penn-affiliated Nobel prize winners, see the University Archives web site, www.archives.upenn.edu/people/notables/awards/nobel.html

NSF Grant for 'Roll-to-Roll' Graphene Production

Graphene Frontiers, a company developed through the University of Pennsylvania's Center for Technology Transfer, has been awarded a \$744,600 grant from the National Science Foundation to develop roll-to-roll production of graphene, the "miracle material" at the heart of the 2010 Nobel Prize in Physics.

Graphene Frontiers' technology was developed by Dr. A.T. Charlie Johnson, director of Penn's Nano/Bio Interface Center and a professor in the department of physics and astronomy in the School of Arts & Sciences, along with Dr. Zheng-tang Luo, a former postdoctoral researcher in Dr. Johnson's lab who is now a professor at the Hong Kong University of Science and Technology.

They founded the company in 2011 through the Center for Technology Transfer's UPstart program. UPstart serves as a business incubator for technologies developed at the University and connected the researchers with Michael Patterson, then a member of the Wharton Executive MBA program, who is now the company's CEO.



A.T. Charlie Johnson

Golkin Hall Awarded Gold LEED Status for Environmental Design

Golkin Hall, the newest addition to the four-building University of Pennsylvania Law School campus, has been awarded LEED Gold status for new construction by the US Green Building Council, a coveted recognition of best-in-class building strategies for energy and environmental design.

The 40,000 square foot building, which formally opened in April 2012, is part of a recently completed top-to-bottom renovation of the Law School's physical plant (*Almanac* April 10, 2012).

In addition to incorporating advanced green features, Golkin Hall's modern design integrates classrooms, administrative and faculty office space and social areas. The design is intended to promote interaction among all members of the Law School community, reinforcing its collegial culture. Besides classrooms and offices, Golkin Hall also features a state-of-the-art courtroom and 350-seat auditorium.

"We worked hard to create a green building and are honored to have achieved Gold Status," said Jo-Ann Verrier, L'83, Vice Dean for Administrative Services, who collaborated with Penn's Facilities and Real Estate Services to oversee design and construction. "Golkin Hall solidifies Penn Law's standing as the finest urban law school campus anywhere in the country. We wanted its construction to reflect our culture and values, which include being good stewards of the environment and good members of the community." The project broke ground in May 2010 (*Almanac* November 16, 2010). The building features an inviting two-story lobby leading to a two-story west wing and a three-story east wing. Designed by the Boston-based firm Kennedy & Violich Architecture (VKA), Golkin Hall features roof-top gardens and green roofs, which were commended by the LEED certification, as part of an integrated storm water management strategy.

"The unspoken reward of this achievement is the everyday pleasure that sustainable strategies

Graphene, a single-atom-thick layer of carbon, is transparent, conductive, impermeable and exceptionally strong. These properties could be used in high sensitivity chemical detection devices and biosensors, desalination membranes and flexible touchscreens but producing the material in bulk remains a challenge; existing graphene production techniques can only make it in small patches or flakes. Graphene Frontiers' approach can produce meter-long sheets of the material and does not need to take place in a vacuum, enabling it to be more easily integrated with other industrial processes.

"The new project is to advance the approach to the point where it works like newspaper printing," said Dr. Johnson, who is also the chair of Graphene Frontiers' scientific advisory board. "A roll of copper foil goes in to the growth system, and a roll of graphene on a suitable backing comes out. This sort of 'roll-to-roll' process would enable large-scale production of graphene with high quality at low cost."

The NSF's Small Business Innovation Research Phase II grant will be used to scale Graphene Frontiers' production capacity.

"Our platform technology will disrupt energy capture/storage, electronics, sensors, wireless communication, water desalination and more. In all of these areas, graphene will allow us to improve performance, lower cost and reduce environmental impact," Mr. Patterson said.

can bring to a place," said Frano Violich, Principal at KVA. "As natural light falls into the below-grade Moot Court reducing electrical demands, as landscaped terraces reduce storm water that would otherwise flow into the Schuylkill River, and as undulating brick and marble combine to decrease heat loads along south-facing Sansom Street, there is the knowledge that students, faculty and administrators are participants in a global effort to address climate change. In this way, Golkin Hall has itself become a teaching moment."

LEED (for Leadership in Energy & Environmental Design) new construction certification rates buildings along seven dimensions: sustainable site strategies, water efficiency, energy and atmosphere, material and resources, indoor environmental quality, innovation, and regional priority. Golkin Hall scored a total of 68 out of a possible 112 points.

The building earned an especially high score for indoor environmental quality, capturing 11 of 15 points for such things as its ventilation, thermal comfort, and use of low-emitting materials. It also scored high for its sustainable site selection (20 of 26 points), with reviewers singling out its location near alternative transportation and the building's skillful integration into a dense urban environment. The building puts an emphasis on integrating aspects of environmental sustainability, creating a healthy, light-filled indoor environment and reducing greenhouse gasses through energy-efficient design. One example: Golkin Hall's rooftop gardens not only provide attractive areas for student and faculty collaboration but also reduce the amount of storm water entering the city's combined sewer/waste water system, counteract the heat-island effect caused by conventional dark roofs. The building was also cited for its use of regional materials. Gold certification is the second highest of four LEED designations.

Being Rewarded for Being in the Know

Penn wants to reward you for being “in the know” about your health status. You can learn about your health and receive a \$100 cash incentive with just a few simple steps.

Last fall, we introduced a new wellness campaign at Penn called *Be in the Know*. This program helped faculty and staff gain better insight into their current health status and showed them how to maintain or improve their health.

More than 4,200 faculty and staff participated in last year’s *Be in the Know* program and earned rewards (both monetary and physical) for just a few minutes of their time. It was such a success, we’re bringing it back this year—and we’re introducing some new features, to make it even more beneficial for you. All it takes are four easy steps to better health. You must be benefits-eligible to participate.

Follow these steps and receive a \$100 cash incentive (less applicable payroll taxes) for participating in this year’s *Be in the Know* program:

Step 1: Get a biometric screening—Get a free, confidential biometric screening on campus between October 28 and December 6. To register for your screening, visit www.hr.upenn.edu/myhr/registration and choose Health Screenings from the Browse by Category section. These convenient screening sessions will be held at more than 15 locations on campus over a four-week period. The screening measures your blood pressure, blood sugar and cholesterol. If you prefer, you can submit results from screenings conducted by your doctor.

Step 2: Understand your numbers—During your private, confidential biometric screening, health educators from AreUFit Health Services will go over your results with you. They’ll help you understand what your numbers mean and how you can improve or maintain your health.

Step 3: Take an online health assessment—After your biometric screening is done, your numbers will be added into your personal, secure online Health Assessment, administered by StayWell. Starting in January, log on to StayWell’s secure website (we’ll tell you more about that in coming months), answer a series of questions about your health history and then you’ll receive your private Health Assessment report. It will provide valuable information about your health status, potential health risks and action planning.

Step 4: See the rewards—Get rewarded for your steps to good health. Once you’ve completed steps 1-3, you’ll receive a \$100 cash incentive (less applicable payroll taxes). Look for it in your pay in the Spring of 2014. Then, explore StayWell’s health portal, where you’ll find a wealth of information and resources to keep you on the path to wellness, from healthy living articles to personal health coaching. The portal can help you identify your highest priorities and track your progress toward your goals. Stay tuned for more details about the health portal later this fall.

Participation in the *Be in the Know* program is voluntary and strictly confidential. All of your personal health information will be held securely and confidentially by AreUFit and StayWell, third-party agencies specializing in health management. Penn will never see any individual data. We will get a report of aggregated data only, to help us design customized health promotion and benefits programs for the campus.

Visit www.hr.upenn.edu/myhr/worklife/healthy/know for more information about the *Be in the Know* program.

—Division of Human Resources

One Step Ahead

Security & Privacy
Made Simple

Another tip in a series provided by the Offices of Information Systems & Computing and Audit, Compliance & Privacy.

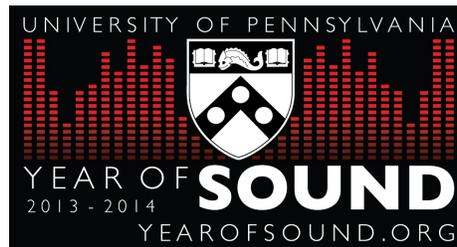
The Children’s Online Privacy Protection Act: Does It Apply to Your Website?

As concerns over online marketing targeted at children increased in the 1990s, Congress passed the Children’s Online Privacy Protection Act (COPPA). COPPA provides that a website—or any online service—collecting personal information from children under 13 must obtain verifiable consent for that collection from parents; provide a privacy notice describing what information is collected and how it will be used; and store the collected information securely. Recently, the COPPA regulations were updated to protect children’s geolocation data, unique device identifiers and other types of information.

To help ensure compliance with COPPA, it is important for operators of any University websites that interact with children to know exactly what information they are collecting from children and how that information is being used and stored. If your program’s website includes sections/pages that interact with children, please contact Penn’s Privacy Office at privacy@upenn.edu so that we may assist in assessing any compliance obligations that may apply.

For additional tips, see the One Step Ahead link on the Information Security website: www.upenn.edu/computing/security/

The Classic *Dr. Jekyll and Mr. Hyde*, with the Curtis Organ at Irvine: October 31



As a special program of Penn’s Year of Sound, famed organist, Peter Krasinski will present a Master Class in the art of accompanying silent films at 4 p.m. on October 31 (Halloween). He will use excerpts from classic films such as *Metropolis* (Fritz Lang, 1927), *The Phantom of the Opera* (Carl Laemmle, 1925), and *The Birth of a Nation* (D. W. Griffith, 1915) to demonstrate in real time how an organist improvises to further the plot, create “dialogue” and enhance storytelling.

At 7:15 p.m. that evening, Mr. Krasinski will accompany the 1920 classic silent film *Dr. Jekyll and Mr. Hyde* starring John Barrymore. Mr. Krasinsk performs the musical score on the 10,731-pipe Curtis Organ in Irvine Auditorium at the University of Pennsylvania.

These programs are free & open to the public. This is a special chance to see a classic silent film the way it was meant to be enjoyed (and a rare opportunity to hear the 11th largest pipe organ in the world with a master improvisational organist at the console).

See krasinski.org or perelmanquad.com for more information on the organist and the venue.

Calling all Photographers for A Day in the Life of Penn

“A Day in the Life of Penn” is an annual University Communications photography project highlighting the work of student, faculty and staff photographers from throughout Penn to illustrate a single day on campus. This year we will be running the event on Tuesday, October 29.

The project will document the pace and energy of life at Penn through the eyes of the community in the form of a photo essay. Starting at sunrise, the participating photographers will capture images of campus activities throughout the morning, the afternoon and into the evening.

We hope to showcase the beauty of the Penn campus, academic life, tours and activities with potential students, community engagement, research, athletics and recreation and other activities. Once captured, “A Day in the Life of Penn” will be presented on the central Penn web and across social media platforms.

If you are interested in participating in this unique photo project: www.upenn.edu/dayinlifef or have ideas for coverage, we’d like to hear from you.

For more information please contact ucomms-web@lists.upenn.edu or sign up at <https://secure.www.upenn.edu/dayinlifefform/>

Many thanks, and grab your cameras!
—Steve Minicola, University Communications



Photograph by Tom Caravaglia

Paul Taylor Dance Company opens *Dance Celebration’s* 31st season at the Annenberg Center, October 24, 25 and 26. Above, Heather McGinley and Michael Novak in *Gossamer Gallants*, a quirky commentary on the mating rituals of the insect world, where the female is often the stronger, predatory partner. Clad in green and black the dancers prance, battle and flaunt their powers. Box Office (215) 898-3900.

Almanac On-the-Go: RSS Feeds

Almanac provides links to select stories each week there is an issue. Visit *Almanac’s* website, www.upenn.edu/almanac for instructions on how to subscribe to the *Almanac* RSS Feed.



Update

October AT PENN

ON STAGE

24 *The Bad, the Bad, and the Bad: Hell Hath No Fury like a Bloomer Scorned*; 8 p.m.; Class of '49 Auditorium, Houston Hall; \$8/Locust Walk, \$10/door. Also October 25, 7:30 p.m.; October 26, 9:30 p.m. (Bloomers).

READINGS & SIGNINGS

22 *Blonde on Blonde*; Al Filreis and Patrick Bredehoff; 11:30 a.m.; Arts Café, Kelly Writers House; RSVP: wh@writing.upenn.edu (Kelly Writers House).

25 *Building a Local Food System*; Judy Wicks, activist and entrepreneur; 4-6 p.m.; Class of 1978 Pavilion, Kislak Center for Special Collections (Urban Nutrition Initiative).

TALKS

24 *Civic Hacking: Creating an Open Government Through Technology*; panel discussion; 4 p.m.; Class of 1978 Pavilion, 6th Floor, Van Pelt-Dietrich Library (Penn Libraries).

Lauren & Bobby Turner Social Impact Executive Speaker Series; Michael Feinberg, KIPP Public Charter Schools; 4:15 p.m.; rm. G06, Huntsman Hall; RSVP: <http://whr.tn/TurnerSeries-Feinberg> (Wharton, Lauren & Bobby Turner Social Impact Speaker Series).

AT PENN Deadlines

The October AT PENN calendar is online at www.upenn.edu/almanac. The deadline for the December AT PENN calendar is Tuesday, November 12.

Information is on the sponsoring department's website. Sponsors are in parentheses. For locations, call (215) 898-5000 or see www.facilities.upenn.edu

Portable 3-Year Academic Calendar

Did you know that Penn's new 3-year academic calendar is available on *Almanac's* website, Penn's mobile website and as a printable PDF?



You can also get the calendar to sync with MS Outlook, Apple iCal, Google calendar and your mobile devices

by visiting www.upenn.edu/almanac/acadcal.html and following the instructions from the link at the top of the page.

WE ARE MAKING A DIFFERENCE THROUGH PENN'S WAY

OCTOBER 1 - NOVEMBER 15



A Workplace Charitable Campaign
Center for Responsible Funding • Penn Medicine • United Way

Q: What contribution methods are available using the online pledge form?

A: Employees may contribute via payroll deduction, cash, check or credit card using the online pledge form. Please follow the instructions on the online confirmation page to ensure all contributions are properly processed.

Q: Once I am entered into the weekly raffle, am I only eligible for that week's raffle or am I eligible for all subsequent weekly raffles?

A: Once you successfully complete your online or paper pledge you are eligible for all subsequent weekly raffles as well as the grand prize drawing.

Q: When are the raffle prizes awarded?

A: Raffle winners will be randomly selected on the Monday following the raffle deadline.

Q: How are winners notified?

A: Winners will be notified by email within one week of the raffle drawing. Additionally, all winners will be published on the Penn's Way website, in *Almanac* and in other University and Health System publications. Winners have until December 15, 2013 to make arrangements to claim their prize.

Q: Do I have to contribute in order to be eligible for the raffle?

A: No. Employees who contribute elsewhere and/or those wishing to participate without giving may do so by checking the appropriate box on the online pledge form or by indicating a \$0 gift amount on the paper pledge form. All employees who participate will be eligible for the weekly employee prize raffle and grand prize drawing.

Q: I have already completed the online pledge form but now wish to change my pledge amount and/or payment method. Can I do that?

A: If you initially elected to give via payroll deduction, you may change the amount or frequency of that deduction at any time prior to November 15, 2013. You may also change your contribution method from payroll deduction to cash, check or credit card during the same time period. If you initially elected to give via cash or check, please follow-up with your Coordinator or Captain to inquire about changing your gift amount or payment method. Unfortunately, we are unable to change credit card payments once they are entered and confirmed by the donor.

Penn's Way 2014-Raffle

Week 4 (Drawing October 28)

Mid-Point Prize: World Travel: Two round-trip domestic airline tickets *

Eastern State Penitentiary: Two daytime tickets

Penn Ice Rink: Two free admissions

Penn Business Services: Photo essay book

Picnic: \$25 gift certificate

Avis Car Rentals: \$25 off a rental

National Constitution Center: Two admission passes

See www.upenn.edu/pennsway for more information about the Penn's Way campaign.

Week 2 Winners (Drawing October 14)

National Constitution Center: Two admission passes —Elizabeth Lewis, Perelman School of Medicine

Eastern State Penitentiary: Two daytime tickets —Helena Boyle, Pennsylvania Hospital, Hall Mercer

Penn Business Services: Photo essay book —Joel Hendley, Pennsylvania Hospital

Budget Car Rentals: \$25 off a rental —Tracy Jackson, Critical Care Associates

Unite Fitness: Class Voucher (\$80 value) —Joan McCann, HUP

Hampton Inn Center City: One night stay for two adults * —Vandana Nagpal, Penn Medicine

Windsor Suites: One night stay * —Nancy O'Connor, School of Nursing

Landmark Theatres: Two VIP admissions —Cheryl Eichler, CPUP

Penn Ice Rink: Two free admissions —Dominic Lupica, HUP

* Prizes valued at over \$100 and which will be subject to local, state & federal incomes taxes.

Almanac on Penn Mobile Website

Almanac is available on Penn's mobile website, in addition to *Almanac's* other familiar paper-free options such as the website, RSS Feed and weekly *Express Almanac* email. Choose "*Almanac*" under the category of "News" from the mobile site's homepage, <http://m.upenn.edu>

Almanac

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Philadelphia, PA 19104-3111
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Email: almanac@upenn.edu
URL: www.upenn.edu/almanac

The University of Pennsylvania's journal of record, opinion and news is published Tuesdays during the academic year, and as needed during summer and holiday breaks. Its electronic editions on the Internet (accessible through the Penn website) include HTML, Acrobat and mobile versions of the print edition, and interim information may be posted in electronic-only form. Guidelines for readers and contributors are available on request and online.

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The University of Pennsylvania Police Department Community Crime Report

About the Crime Report: Below are all Crimes Against Persons and Crimes Against Society from the campus report for **October 7-13, 2013**. Also reported were 15 Crimes Against Property (11 thefts, 2 DUIs and 2 other offenses). Full reports are available at: www.upenn.edu/almanac/volumes/v60/n10/creport.html. Prior weeks' reports are also online. —Eds.

This summary is prepared by the Division of Public Safety and includes all criminal incidents reported and made known to the University Police Department between the dates of **October 7-13, 2013**. The University Police actively patrol from Market Street to Baltimore Avenue and from the Schuylkill River to the 43rd Street in conjunction with the Philadelphia Police. In this effort to provide you with a thorough and accurate report on public safety concerns, we hope that your increased awareness will lessen the opportunity for crime. For any concerns or suggestions regarding this report, please call the Division of Public Safety at (215) 898-4482.

10/08/13	5:18 PM	51 N 39th St	Complainant slapped in face
10/12/13	7:58 PM	4000 Spruce St	Complainant touched in inappropriate manner

18th District Report

Below are the Crimes Against Persons from the 18th District: 4 incidents with 1 arrest (2 indecent arrests and 2 aggravated arrests) were reported between **October 7-13, 2013** by the 18th District covering the Schuylkill River to 49th Street & Market Street to Woodland Avenue.

10/07/13	8:44 PM	3400 Market St	Indecent Assault
10/09/13	3:39 PM	242 S 49th St	Aggravated Assault/ Arrest
10/12/13	7:07 PM	4800 Chestnut St	Aggravated Assault
10/12/13	8:40 PM	4039 Spruce St	Indecent Assault

SAFETY AFTER DARK



Some Tricks for Traveling More Safely

Remember: Fall back, Spring forward! On Sunday, November 3, Daylight Saving Time comes to an end. This means we can all sleep an extra hour Sunday morning and still have breakfast at the usual time. It also means we lose an hour of daylight just around the time most of us are heading home from work or school. Public Safety wants to remind you of the following tips on how to stay safe during your commute.



Public Transportation Safety Tips

- Become familiar with the different bus and trolley routes and their schedules. SEPTA schedules and general information are available by visiting www.septa.com or calling (215) 580-7800.
- If you travel underground, be aware of the emergency call boxes on the platform. These phones contact SEPTA Police. The phones operate much like the University's Blue Light Phones. To operate the SEPTA Phone, push the button. A SEPTA operator will identify your transit stop and assist you immediately.
 - Whenever possible, try to sit near the driver.
 - In the subway station, stand back from the platform edge.
 - Pay attention to your surroundings.
 - Don't become complacent while using your cell phone or iPod.
 - Don't fall asleep! Stay Alert!
- **Avoid becoming a victim of pick pocketing**
 - Never display your money in a crowd.
 - Keep your bag or purse close to you and in view.
- **Off Peak Travel Tips**
 - If you use subways, especially during off-peak hours, stand near the SEPTA call box.
 - In case of an emergency there is a cashier's booth staffed during hours of operation.
 - If possible travel with a companion(s).
 - Request a Walking Escort by calling (215) 573-WALK (9255).
- **Emergency Phones at Subway Stops & Blue Light Phones**
 - If you observe a potential safety hazard, would like a walking escort or require the Division of Public Safety's assistance, you can use one of more than 500 blue light emergency phones on campus and in the surrounding community. Just pick up the receiver or press the button.
 - SEPTA maintains their own emergency call boxes. Become familiar with where these call boxes are the next time you are waiting for your subway or trolley.

Safety Tips on the Street

- Do not display your smartphone (iPhone, Android, etc.) when walking about. Keep it in your bag or pocket.
- Avoid using earphones when walking to ensure that you stay alert and aware of your surroundings.
 - Stay in well-lit areas. Walk mid-point between curbs and buildings, away from alleys, entries and bushes. Stay near people.
 - Avoid short cuts through parks, vacant lots and other low-occupancy places.
 - Carry only necessary credit cards and money. Avoid using outdoor ATMs (automated teller machines). Instead, look for banks that require entry into a lobby to use their ATM.
 - If you must carry a purse or handbag, keep it close to your body. This will minimize the chances of theft. If your purse is taken, don't fight. Turn it over and immediately call 911.
 - Walk with someone whenever possible. Participate in buddy systems.
 - Do not stop to give directions or other information to strangers. Never hitchhike.
 - If you believe are being followed, call 911. Be alert & confident—making good eye contact may discourage the follower. Cross the street, change directions, or vary your pace. If someone follows you in a car, record the license number and call 911 immediately.
 - Have your key out and ready before you reach your car or door.
 - Trust your instincts and use common sense.

Halloween Safety, Too

This is also a good time to pass some Halloween Safety Tips to any children you know:

- Trick-or-treat in your neighborhood.
- Never go out alone. Go with friends.
- Ask your mom or dad, older sister or brother, or a neighbor to go along.
- Stay in well-lighted areas.
- Wear white or reflective clothing.
- Carry a flashlight, glowstick or reflective bag.
- Watch out for cars.
- Have your parents inspect all treats before you eat them.

Additional Services Available to you on Penn's Campus

LUCY Loop

LUCY (Loop through University City) is a shuttle operating Monday through Friday, from 6:10 a.m. until 7 p.m., between 30th Street Station and University City. Managed by the University City District and operated by SEPTA, LUCY is a great way to ease your commute. Rides are free for holders of a valid PennCard. Schedule and route information is maintained by the University City District. For more information visit: www.universitycity.org/getting_around/lucy

Penn Transit

Business Services' Penn Transit offers various transportation services that you can use for getting around University City or simply just getting to your car. For more information, visit www.upenn.edu/transportation

Walking Escort

(215) 898-WALK (9255)

Available 24 hours a day, 365 days a year, between 30th to 43rd Streets and Market Street to Baltimore Avenue. Escorts are also available from 10 a.m. until 3 a.m. between 30th & 50th and Spring Garden Street to Woodland Avenue via the University's partnership with the University District Ambassador Program.

Riding Escort

(215) 898-RIDE (7433)

Penn Transit Services: (215) 898-RIDE (7433) Monday-Sunday, 6 p.m.-3 a.m.; Limited on-call service, 3 a.m.-7 a.m. Visit www.upenn.edu/transportation

Penn Guardian

Penn Guardian is a free and optional service that is available to anyone with a valid Penn ID number and PennKey, using a registered cell phone.

How Penn Guardian Works

Penn Guardian is a service that allows Penn students, staff and faculty to voluntarily provide information about themselves to the Division of Public Safety which may be helpful to know during an emergency, such as a medical condition.

Penn Guardian can also provide police with GPS coordinates from a registered user's cell phone, which can decrease response time and allow first responders to locate them if they are not able to provide their location.

For more information, and to register, please visit: [www.publicsafety-upenn.edu/pennguardian/](http://www.publicsafety.upenn.edu/pennguardian/)

Important Numbers

University of Pennsylvania Police (on Penn Campus)

(215) 573-3333 or
511 from campus phone
911

Philadelphia Police
SEPTA Police Hotline

Emergency	(215) 580-8111
Non-Emergency	(215) 580-4487
Children's Hospital of Philadelphia	(215) 590-5500
Philadelphia Poison Control Center	(215) 386-2100
National Poison Control Center	(800) 222-1222
Special Services (additional safety tips)	(215) 898-4481
Victim Support & Sensitive Crime Reporting (24/7)	(215) 898-6600

Public Safety Headquarters is located at 4040 Chestnut Street