# UNIVERSITY OF PENNSYLVANIA Almanac

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### New Endowed Chair at the Law School: Matthew Adler



Matthew Adler

Matthew D. Adler has been appointed as the Leon Meltzer Professor of Law. Before he joined the Law School in 1995, he was a law clerk to Justice Sandra Day O'Connor on the U.S. Supreme Court and to Judge Harry Edwards on the U.S. Court of Appeals for the D.C. Circuit. He holds a B.A. and J.D. from Yale University and an M.Litt in modern history from Oxford University.

Professor Adler writes in the areas of constitutional law, administrative law, and regulation, drawing on both moral philosophy and welfare economics. His scholarship has been published in many leading law reviews. His book, New Foundations of Cost-Benefit Analysis, co-authored with Eric Posner, is forthcoming from Harvard University Press. Professor Adler is currently at work on a series of articles about risk regulation and a separate series of articles concerning the foundations of constitutional law. Penn Law students voted him the winner of this year's Harvey Levin Memorial Award for Teaching (*Almanac July* 11, 2006).

### \$5 Million Gift from Alumnus Robert and Diane Levy to Support Financial Aid and Social Impact Initiatives



Robert M. Levy

The Wharton School announced a \$5 million gift from alumnus Robert M. Levy, and his wife, Diane v.S. Levy. Based in Chicago, Mr. Levy is partner, chairman, and chief investment officer of Harris Associates, L.P. This gift will establish the Diane v.S. and Robert M. Levy Social Impact Fund with \$2 million; provide supplemental funding of \$2.75 million to the existing Diane v.S. and Robert M. Levy Endowed Fellowship Fund; and benefit the University of Pennsylvania's Museum of Archaeology and Anthropology with \$250,000.

"Bob and Diane Levy have long been generous supporters of Wharton and the University of Pennsylvania," said Wharton Dean Patrick Harker. "Their latest gift will help the Penn Museum create new exhibits of its world-renowned collection. At Wharton, the expanded Levy Fellowship Fund will enable generations of students to have access to a world-class business education, while the new Levy Social Impact Fund will help students and faculty pursue interests in such areas as public and non-profit sector careers, research and teaching in corporate social responsibility, and social entrepreneurism."

The Levy Social Impact Fund will provide seed and supplemental funding for student, faculty and institutional initiatives in areas such as social impact management and business ethics, including summer internships for students working in the public and nonprofit sector. The movement to support greater integration of efforts and leadership in corporate social responsibility, ethics and social entrepreneurship is broadly supported at Wharton by faculty and students. Courses throughout the curriculum, conferences and other co-curricular opportunities for students contribute to an environment in which there is broad and growing commitment to using business to advance social change.

The new gift to the existing Levy Fellowship, designated for students with less than three years' work experience or women or under-represented minorities, will expand the fellowship to also support students who are interested in careers in the nonprofit sector. With this supplemental gift, the Levy Fellowship Fund will now be the second largest such fund at the Wharton School.

Mr. Levy said, "Diane and I have found our increased involvement with Wharton and the University to be rewarding, exciting and fun. We have been energized by our exposure to the extraordinary students at our school, and we are very pleased to help Wharton and Penn meet the need for financial aid and for innovative programs.'

A 1974 graduate of Wharton's M.B.A. program, Mr. Levy is a Penn trustee and a member of the Wharton School Board of Overseers, and he has served as member of the Midwest Regional Advisory Board and the Wharton Graduate Executive Board.

Harris Associates, L.P. manages \$63.4 billion in the Oakmark Funds and in equity, balanced, and international portfolios for individuals and institutions. Mr. Levy also is president of the Robert M. Levy Family Foundation as well as a director of the Bill Nygren Foundation. He is committed to helping others—a commitment that goes back to his student days, when he taught evening school classes for community members and volunteered in a community education program to help small, minority-owned businesses develop business plans.

The Levys have already supported the Wharton School with past contributions to Jon M. Hunts-

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### Vice President of Facilities & Real Estate: Anne Papageorge



Anne Papageorge

Anne Papageorge, a licensed landscape architect, has been named vice president for the Division of Facilities and Real Estate Services, effective October 16. Her appointment concludes a six-month national search.

Ms. Papageorge will be responsible for managing the operations and maintenance of the University's buildings and

grounds, as well as the planning and project management of new construction and renovations of existing properties.

"Anne is a proven leader who possesses the energy and passion for the complexity of the facilities and real estate issues an urban university such as Penn will face," EVP Craig Carnaroli said. "She has a demonstrated track record in managing a large complex organization.'

Ms. Papageorge has been senior vice president and memorial design director for the Lower Manhattan Development Corp. (LMDC) since 2005, managing the planning, design and construction of the nearly \$1 billion project encompassing the World Trade Center Memorial, Memorial Museum and cultural facilities.

Prior to joining the LMDC in 2004 as the memorial's design director, she worked in the NYC Department of Design and Construction (DDC) from 1996-2004, where she served as first assistant commissioner, then, first deputy commissioner of DDC and acting commissioner, managing a staff of nearly 1,200 and overseeing 750 projects valued at \$4.4 billion.

Ms. Papageorge earned a B.L.A. in 1983 from the State University of New York College of Environmental Science and Forestry School of Landscape Architecture (SUNY CEŠF SLA), and an M.B.A. in 2001 from the City University of New York Baruch College Zicklin School of Business. She serves on the SUNY CESF SLA Faculty of Landscape Architecture Advisory Council and has served as its president.

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- 2007 Penn's Way Campaign: Stronger Together

The following is published in accordance with the Faculty Senate Rules. Among other purposes, the publication of SEC actions is intended to stimulate discussion among the constituencies and their representatives. Please communicate your comments to Sue White, executive assistant to the Senate Office, either by telephone at (215) 898-6943, or by e-mail at senate@pobox.upenn.edu.

# Faculty Senate Executive Committee Actions Wednesday, September 27, 2006

**Welcome and Introductions.** Faculty Senate Chair Vincent Price welcomed the 2006-2007 Faculty Senate Executive Committee and brief introductions followed.

**Chair's Report.** Faculty Senate Chair Vincent Price presented an overview of the Faculty Senate and its composition: the Faculty Senate Executive Committee (SEC), the Senate Committees, University Council, and the University Council Committees. SEC was also informed of the Faculty Senate Founders Day Symposium, focusing on the *Global Application of Knowledge*, which will be held on Friday, January 19 from 3 to 5 p.m. All current Faculty Senate information and announcements can be found on the Faculty Senate website: <a href="https://www.upenn.edu/faculty\_senate">www.upenn.edu/faculty\_senate</a>.

**Past Chair's Report.** Faculty Senate Past Chair Neville Strumpf updated the Executive Committee on the work of the Academic Planning and Budget Committee, Capital Council, and the Trustee Committee on Budget and Finance. Overall the University of Pennsylvania is in good financial health.

**Overview of the Budget Process.** Bonnie Gibson, Vice President of Budget and Management Analysis outlined the specifics of the budget process into 4 components: 1) Planning Cycle—the month to month fiscal planning calendar, 2) Key Parameters—key items that determine planning such as tuition growth rate, 3) RCM—Responsibility Center Management: all Schools and Responsibility Centers are responsible for managing their direct revenue and expense, and 4) Fiscal Year 2006-2007. The overview was followed by a thoughtful discussion concerning the pros and cons of Responsibility Center Management.

Selection of faculty members for Steering Committee of University Council and the Penn Social Responsibility Advisory Committee (SRAC). SEC voted for: John Richetti, Lawrence Levin, Clifford Deutschman, and Lydie Moudileno to be faculty representatives on the Steering Committee of University Council. SEC voted for: Gerald Porter, Mitch Marcus, Jere Behrman, and Adrian Morrison to be faculty representatives on the Penn Social Responsibility Advisory Committee. This was an approval vote.

**Faculty Senate Committee Charges for 2006-2007 Committees.** SEC reviewed the proposed committee charges for all the Senate Standing Committees. The charges were unanimously approved.

**New Business.** SEC discussed issues that they would like the Senate Chairs to discuss with the President and the Provost, future presentations for the academic year, and possible topics for the SEC meeting with Dr. Gutmann and Provost Daniels in October. Faculty Senate Chair Vincent Price stated that he welcomes any suggestions, matters of concern, or any ideas, and to please contact him at any time.

# **Faculty Senate Executive Committee Agenda**

Wednesday, October 11, 2006 Room 205 College Hall, 2:30–4:30 p.m. Reception: 4:30 p.m., Arthur Ross Gallery

- 1. Approval of the Minutes of September 27, 2006 (2 minutes)
- 2. Chair's Report (10 minutes)
- 3. Past-Chair's Report on Academic Planning and Budget & Capital Council (3 minutes)

4. Affirmative Action and Employment—Post Michigan

Presentation by Wendy White, Senior Vice President, Office of the General Counsel (45 minutes)

5. President Amy Gutmann and Provost Ron Daniels:

Updates on the University (45 minutes)

6. New Business

# Global Initiatives Fund Awards Last spring, we established the Global Initi

Last spring, we established the Global Initiatives Fund (GIF), an intramural resource to support faculty initiatives that enhance international and interdisciplinary teaching, engagement, and research. We are pleased to announce the first faculty grants, for the academic year 2006-2007.

Establishment of the International Environmental Management Initiative

Robert F. Giegengack, the Davidson Kennedy Professor of Earth and Environmental Sciences in SAS; Jason Johnston, Professor of Law; John C. Keene, Professor Emeritus of City and Regional Planning in the School of Design; and Eric W. Orts, the Guardsmark Professor of Legal Studies, Business Ethics, and Management in the Wharton School, were awarded seed funding to establish an International Environmental Management Initiative (IEMI) at Penn.

Citing the need for interdisciplinary solutions to environmental problems, IEMI will sponsor faculty research and teaching on global environmental issues with specific attention to business and policy. Faculty from across the University will collaborate to create an innovative academic program, and IEMI will work closely with colleagues at INSEAD, the Paris Institute of Technology, and Tsinghua University in Beijing.

Proposed initiatives include corporate and government partnerships, a visiting fellows program, and a joint M.B.A. and Masters of Environmental Science program. With this seed grant, IEMI will establish Penn as an international academic leader in the teaching and research of environmental management.

# ROP Screening in Middle Income Countries (Peru and Brazil)

Graham E. Quinn, Professor of Ophthalmology in the School of Medicine, was awarded funding for his retinopathy of prematurity (ROP) screening project in middle income countries. ROP is treatable and preventable, yet it remains the leading cause of childhood blindness worldwide. The Penn-sponsored initiative, which involves doctors, scientists, and economists in London, Calgary and Philadelphia, has already improved ROP screening in Peru, by establishing an image-taking method by which non-ophthalmologists can perform reliable initial examinations. The GIF grant will enable Professor Quinn's team to expand its research and extend its services to Brazil, engaging the expertise of CHOP ophthalmologists, Penn biostatisticians, and numerous University faculty. The World Health Organization has identified ROP as a "Vision 2020—The Right to Sight" priority, and this grant promotes an effi-cacious plan for prevention and treatment, bringing Penn to the front lines in the fight for sight.

Both of these projects exemplify the aims and goals of the Global Initiatives Fund and we are pleased to be able to support these efforts. We are confident that they will help to advance Penn's global engagement agenda.

Amy Gutmann, PresidentRon Daniels, Provost

#### **Corrections:**

The following eight people were inadvertently omitted from last week's list of new 25-Year Club members:

Mr. Thomas R. Caldwell, NBC/Vet Ms. Kathleen R. Cassidy, EHRS/Provost's Center

Ms. Joan C. Du Pont, Ophthamology/Med Ms. Nancy S. Kikta, Widener Hospital/Vet Dr. Perry B. Molinoff, Pharmacology/Med

Mr. Shane B. Stowell, NBC/Vet

Ms. Bonnie Vecchiarelli, NBC/Vet Mr. Michael C. Weaver, NBC/Vet

Ms. Katherine A. Litzenberg was inadvertently included in last week's list.

For the complete list of the 138 new members, see www.upenn.edu/almanac/volumes/v53/n05/benchmarks.html.

We regret the omissions.

-Eds.

#### **Levy Gift**

(continued from page 1)

man Hall (where the Levy Lobby on Walnut Street is named in their honor) and the creation of the Diane v.S. and Robert M. Levy Fellowship.

The Levys' gift is an example of how alumni are giving back to the School to deepen resources for students interested in nonprofit work. Last year, Wharton announced the John M. Bendheim Loan Forgiveness Fund for Public Service and the European Corporate Social Responsibility Initiative—which were funded by alumni and board members (Almanac October 11, 2005).

### **Revised Network Policy Committee (NPC) Policy**

The Network Policy Committee, IT Roundtable, and the Vice President for ISC wish to call your attention to a recently revised networking/computing policy. This policy, the "Policy on Deployment, Operation, and Registration Requirements for Wireless Access Points on PennNet," deals with requirements for Wireless Access Points (APs) and related wireless LAN infrastructure operating on PennNet. This revision to a policy first approved in 2001 includes clarifications through additional definitions and discussion of risks. It also expands on the specifics of handling situations involving contention and/or interference between and among wireless networks. The full policy can be found online at <a href="https://www.net.isc.upenn.edu/policy/approved/20010910-wireless.html">www.net.isc.upenn.edu/policy/approved/20010910-wireless.html</a>.

-Robin Beck,

Vice President, Information Systems and Computing

#### Attention—Significant Payroll Changes About to Occur

- Beginning October 15, 2006 all payroll checks will be issued by Wachovia Bank.
- If you already have direct deposit, this will have *no impact* on the timing and delivery method of your pay.
  - If you receive a paper check, you can:
    - continue to deposit or cash your check at your personal bank.
  - cash it at any Wachovia branch in Pennsylvania, New Jersey or Delaware for no fee.
     Citizens Bank will no longer each payroll checks issued by Penn if you do not have an
- Citizens Bank will no longer cash payroll checks issued by Penn if you do not have an account there.
  - We strongly encourage all employees to sign up for direct deposit.
- Direct deposit forms can be found at www.finance.upenn.edulforms/adepf.doc or on the first floor of the Franklin Building, 3451 Walnut St.

Please return your completed form to:

Payroll Office

Room 310, Franklin Building

3451 Walnut Street

Philadelphia, PA 19104

• Currently, the closest Wachovia locations to Penn are:

1700 Market Street

1712 Walnut Street Philadelphia, PA 19103

Philadelphia, PA 19103 (215) 496-4120

(215) 790-0415

• To find a Wachovia branch near your home go to www.wachovia.com or call 1-800-

• If you have any questions, please send them to wachovia@pobox.upenn.edu or call (215) 898-7256.

-Division of Finance

# **Dedicating Over 300 New Street Lights in University City**

Tonight, the University City Lighting Consortium will officially dedicate the neighborhood's new, more powerful streetlights at a 7 p.m. celebratory event, on the lawn at Penn's Division of Facilities and Real Estate Services, 3160 Chestnut Street.

New lighting was installed in University City this year as part of a collective effort to improve the quality of life and to address the safety concerns of neighborhood residents. Launched in January, when President Amy Gutmann allocated \$1 million to fund an off-campus lighting project as part of a larger public safety initiative (Almanac January 24, 2006), the effort became a consortium when University of the Sciences in Philadelphia, the Science Center, Drexel University and University City District (UCD) came on board, with the collaboration of PECO and the Philadelphia Streets Department.

Lewis Wendell, UCD's executive director added, "This project reflects a new level of collaboration between the major institutions in University City, the City of Philadelphia Department of Streets and PECO. It is a good beginning for what will be a major effort to enhance public safety through improved pedestrian lighting throughout the University City District."

The partnership's goal is to improve the street and pedestrian lighting in the section of University City bounded by Schuylkill Ave-

nue to the east, 45th Street to the west, Woodland Avenue to the south and JFK Boulevard to the north. This phase of the project includes the installation of more than 300 new light poles, each equipped with a 27,500-lumen output, which is over 25 percent brighter than the previous lamps, as well as produce better light distribution, projecting the light to where it is needed. The total cost of the project neared \$2 million, with generous in-kind services provided by PECO and the City Streets Department.

At tonight's event, local and statewide governmental officials as well as the partners, friends and neighbors in University City will join with the consortium members as they unveil one of the new lights installed along Chestnut Street. A short program will precede the ceremony, and refreshments will be served. A video program will feature a map highlighted with the locations of the new street lamps and photos that will illustrate the installation; see <a href="https://www.ucityphila.org/news">www.ucityphila.org/news</a>.

The event will mark the conclusion of this first phase of what the consortium members hope will be a multi-year project to provide residents with a safer and brighter walking and living environment. The group has applied for a \$575,000 federal grant to fund additional new pedestrian lighting over the next few months in more sections of University City.

# **Speaking Out**

#### Watch Your Step On Campus

With all the construction and renovation across Penn's campus, one would think the University would make an attempt to improve some of its pedestrian walkways. Specifically, I am referring to the abominable condition of (1) the diagonal walk extending from 37th Street to 38th Street between the Quadrangle and Stouffer College House and (2) Locust Walk between 38th and 40th Streets. They are a maze of loose bricks, cracked cement, and potholes. Recently, I was walking with a co-worker whose foot caught in one of the numerous cavities along Locust Walk; she took an immediate header. Luckily, she was not seriously injured. But what about the next victim?

—David C. Tester, Administrative Assistant, Office of Human Research, School of Medicine

#### **Prioritizing Walkway Repairs**

In response to the letter regarding the state of the pedestrian walkways, Facilities and Real Estate Services requests that if a specific hazard is identified, please call the operations center at (215) 898-7208 for an immediate repair.

Campus walks are monitored regularly, with minor repairs made as needed. Walkways in need of major renewal have been identified and prioritized by the Office of the University Architect. Woodland Walk, between 36th Street and 38th Street and Locust Walk, west of 38th Street have been identified as priorities. Design work is in progress and we are actively seeking funding. These projects are identified in the new Campus Development Plan, *Penn Connects*.

Additionally, as the campus redevelops and constructs new academic and residential buildings, improvements to adjacent walkways are designed and installed as part of each project. Recent examples include: Woodland Walk west of 38th Street, adjacent to the Vet School's new Hill Pavilion; new pathways and landscape improvements near Harnwell, Harrison and Rodin College Houses; walkways surrounding the McNeil Center for Early American Studies at Hill Square and the new garden and entry plaza at Fisher-Bennett Hall

 Mark Kocent, Principal Planner, Facilities & Real Estate Services

Speaking Out welcomes reader contributions. Short, timely letters on University issues will be accepted by Thursday at noon for the following Tuesday's issue, subject to right-of-reply guidelines. Advance notice of intention to submit is appreciated. —Eds.

#### Note about Penn Connects

A 32-page Executive Summary of *Penn Connects*, filled with numerous renderings, is available at *www.evp. upenn.edu*.

The University of Pennsylvania is committed to ensuring the protection of human subjects in all of its activities including research. Research in the sociobehavioral sciences, like research in the biomedical sciences, must provide adequate and appropriate protection of any and all human subjects who participate in this activity. This policy aims to facilitate this, both from the perspective of sociobehavioral investigators and from the perspective of University oversight. The policy is consistent with the Provost's statement on the University's Human Research Protection Program published in Almanac (July 11, 2006) asserting that all personnel engaging in human research must have documented education regarding human subject protection. Additionally, it reaffirms the recommendations of the report by the Working Group on Human Subject Research in the Sociobehavioral Sciences previously published in Almanac (September 3, 2002).

The following policy is effective immediately and investigators will have up to six months to complete the education and certification requirement. Training modules can be found at Knowledge Link (www.uphs.upenn.edu/knowledgelink/).

-Ron J. Daniels, Provost

-Steven J. Fluharty, Interim Vice Provost for Research

# Policy Regarding Human Subject Research in the Sociobehavioral Sciences

#### Scope

This policy is applicable to all employees, students, trainees, faculty, and other persons working for or in facilities owned and operated by the University of Pennsylvania and conducting sociobehavioral research. This policy is meant to apply University-wide to all research involving human subject data, and inclusive of biomedical research protocols applying sociobehavioral techniques (e.g., survey research). Depending on the type of research, other policies (e.g., those pertaining to biomedical research) may apply as well. Relevance is determined by the involvement of living human subjects in observational or experimental research, or in the use of records or specimens that may conceivably place the subjects of these records at risk, as per the Common Rule.

The term "sociobehavioral sciences" (or the term "social and behavioral sciences") must be understood as a shorthand term for the set of inquiries involving human subjects not otherwise subsumed under the biomedical sciences. It includes fields of research specifically defined as behavioral and social sciences in federal manpower reports,<sup>2</sup> that is, "anthropology, demography, the non-clinical fields of psychology, sociology, and the speech and hearing sciences." It also includes human subject research in economics, business, education, and history, among others (see the Common Rule<sup>1</sup>). Thus, the proposed policy applies to all sociobehavioral research irrespective of its institutional setting within the University or its source of funding. Note that disciplinary predilections—for example, rejection of the rubric "science"—are insufficient warrant for self-abstention from the policy promulgated here.

#### **Regulatory Background**

In the context of Institutional Review Board (IRB) oversight of human subject research, the Common Rule specifies three levels of review of proposed research, which can be summarized as follows:

- 1) *full board review*—a convened IRB committee must approve the proposed research, applying criteria set forth in the Common Rule, before the research can be conducted;
- 2) expedited review—certain kinds of research involving no more than minimal risk, as well as minor changes in approved research, can be approved by an administrative mechanism not requiring a convened IRB committee;
- 3) *exempt from review*—minimal risk research activities in a number of specified categories,<sup>3</sup> involving human subjects not from vulnerable populations, <sup>4</sup> are exempt from full review as per the Common Rule.

These three levels of review require submission of a research protocol to the IRB. Specific submission requirements for each category can be found at the IRB website.<sup>5</sup>

At the University of Pennsylvania, "expedited review" is typically performed by Office of Regulatory Affairs personnel. The University is also required to have a mechanism in place for determining whether a proposed research protocol is "exempt from review." As per the federal-wide assurance (FWA) that the University has in place, this determination is made by an administrative mechanism similar to that for "expedited review." In addition, there are certain kinds of research not covered by the

Common Rule. Such research does not require any involvement of the IRB, even at the level of "exempt from review."

This policy clarifies that specific activities in the social behavioral sciences do not require IRB involvement. As a category distinct from "exempt from review," it is referred to as "not under the purview of the IRB."

#### Implementation

Implementation of the policy outlined below will be the responsibility of the Office of the Vice Provost for Research. In consultation with the Schools and their faculty, the Vice Provost will create a training program, and a certification process documenting successful completion of the training program. Any sociobehavioral research activities involving human subjects or human subject data will require prior official certification once this policy becomes effective.

#### **Policy**

Education and Certification

This policy extends to the sociobehavioral sciences a requirement currently in place in the School of Medicine that has been enforced outside of the School of Medicine only for key personnel submitting grants to federal agencies. The requirement now becomes University-wide, covers sociobehavioral research, and is not restricted to federal grant activity.

1. All personnel—faculty, research fellows, students and staff—engaging in sociobehavioral research must have documented discipline-appropriate education regarding human subject protection, in accordance with certification standards defined by the Vice Provost for Research.

The training program and certification process are to be kept current under the auspices of the Vice Provost for Research and in consultation with the Schools and their faculty.

Survey Research

Survey research, which includes face-to-face or telephone interviewing, or self-administered questionnaires (as through the mail or via the Internet), generally has a low cost of participation, since it usually requires only a small amount of subjects' time. According to the Common Rule, such research is "exempt from review" and does not require written consent, as clarified below.

- 2a. Survey research is <u>exempt from review</u> if the survey is anonymous or protection of the confidentiality of research subjects is adequately demonstrated, and if all other applicable criteria for <u>exempt from review</u> are fulfilled (e.g., research must not involve vulnerable populations or put subjects at more than minimal risk).
- 2b. For research that is exempt from IRB review, human subjects responding to a survey are automatically considered to have given informed consent.

In order to qualify for a default waiver of written consent as per policy item 2b, an exemption form<sup>5</sup> must be presented to the IRB showing that:

- i) human subjects will be informed of all applicable elements of consent prior to responding to the survey; and
  - ii) all criteria for "exempt from review" are fulfilled.

Secondary Data Analysis

Secondary data analysis is the (usually statistical) investigation of individual-level data records collected in another study, with the following characteristics: (1) no direct contact with or experimental manipulation of human subjects; (2) no new data collection; and (3) no identification of individual research subjects. In agreement with recommendations 1 and 6 of the Draft Recommendations Regarding Public Use Data Files issued by the National Human Research Protections Advisory Committee (NHRPAC), this policy states that such research may either be "exempt from review" or "not under the purview of the IRB," as clarified below.

3a. Research on a public-use data file, which contains only non-identifiable data or data for which a breach of confidentiality is not an issue (e.g., public business statements), is not considered human subject research for the purpose of IRB review and as such is not under the purview of the IRB.

3b. Research on a non-public-use data file—that is, non-identifiable data in a non-publicly available or proprietary file—is exempt from review, unless vulnerable populations are involved. Non public use data files may be submitted by a School to the IRB for approval. If approved, with the appropriate maintenance of safeguards, studies using these data sets are no longer human subject research and as such are not under the purview of the IRB.

Investigators must agree not to attempt to re-identify the human subjects.

Investigators planning to study non-public-use data files must demonstrate to the IRB that confidentiality of research subjects is protected, by providing direct evidence of protection procedures or by showing that the data supplier already received IRB approval in which non-identifiability was considered and confirmed. The latter does not necessarily require submitting to the IRB the survey instrument or consent form used in the research that yielded the data.

Researchers operating in one of the categories of the Health Insurance Portability and Accountability Act (HIPAA) should refer to the HIPAA regulations that contain a definition of identifiability. <sup>10</sup>

#### **Evolving Research**

Evolving research is a class of research in the sociobehavioral sciences in which the questions that are posed evolve in the course of investigation. An example is ethnography, where research questions may only be clarified after a period of observation and where current findings drive the next steps in the study. This class of research typically involves studying human behavior in non experimental settings, with or without active participation by the investigator; but it can also occur in more structured observational settings (e.g., oral histories, focus groups). In specific cases, such research does not pose more than minimal risk to human subjects and is considered to be "exempt from review," as stated below. An approved mechanism is necessary for presenting to the IRB a research protocol that will evolve in the course of investigation. This policy institutes such a mechanism via certification.

4a. Research involving only non-interventionist observation of behavior occurring in public (including domains of the Internet clearly intended to be publicly accessible), for which no identifying information is recorded, is exempt from review.

4b. Investigators are allowed to use their certification, as per policy item 1, as a reference for describing evolving research activities to the IRB in lieu of a fixed research protocol.

This policy eliminates the need for investigators doing evolving research to spell out the details of a dynamic research protocol. The IRB can be assured that the research will be conducted in an ethically appropriate fashion, with full protection of human subjects, when certified investigators attest that their pre-registered research plan will be conducted within the ethical framework laid out in the training program for which they are certified.

Note that different studies by the same investigator(s) must be submitted to the IRB as separate research protocols. These must not be viewed as a single study evolving from one investigation into another.

#### Feasibility Assessment

Feasibility assessment (or exploratory research) is understood to involve the conceptualization or refinement of a research question through

harmless observation, casual conversation, and browsing of extant data. The Common Rule applies only to generalizable research. Therefore, feasibility assessment is "not under the purview of the IRB" if a number of strict conditions are met, as specified below.

- 5. Feasibility assessment is <u>not under the purview of the IRB</u>, if and only if the following conditions are met:
  - (a) the assessment involves no more than minimal risk;
- (b) the assessment does not involve any vulnerable populations, including prisoners, minors, pregnant women and fetuses, mentally impaired or disabled persons, terminally ill patients, the very elderly, and anyone incapable of self-determination;
- (c) the human subjects are not identifiable from any of the information acquired;
  - (d) the assessment does not involve any deceptions;
  - (e) the assessment data and results are not disclosed or published;
- (f) there is no systematic collection of data, or any systematic data collection serves only to calibrate a research instrument that involves no more than minimal risk.

If at any time any of these conditions cannot be satisfied, the project must be submitted to the IRB for review.

#### Adverse Effects

This policy prescribes the documentation of possible negative effects on human research subjects and how they can be reversed.

6. For research involving manipulations or deceptions of human subjects that may cause harmful or undesirable effects, research protocols submitted to the IRB must specifically describe the recovery or debriefing procedures of the study, and address how the effectiveness of these procedures will be assessed.

When a research study may have foreseeable untoward effects on human subjects, the investigator must explain in the research protocol how these effects will be mitigated.

The IRB must be informed of the occurrence of any adverse events that take place during the research study or as a result of the research study. For research protocols that are reviewed by the IRB in one of the three review categories (full board review, expedited review, or exempt from review), adverse events must be reported for the annual continuing review. Research protocols "not under the purview of the IRB" require reporting of any adverse events within a month of occurrence, as such events may change the review status of the study. Unanticipated events or effects on human subjects that may change the interpretation of the risk of the protocol must be reported to the IRB as soon as they are identified.

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<sup>1</sup> http://www.hhs.gov/ohrp/humansubjects/guidance/45cfr46.htm

<sup>&</sup>lt;sup>2</sup> http://books.nap.edu/books/0309069815/html/31.html

<sup>&</sup>lt;sup>3</sup> Briefly, these include research conducted in established or commonly accepted educational settings involving normal educational practices; certain research involving the use of educational tests; certain research on elected or appointed public officials or candidates for public office; research involving the collection or study of publicly available or non-identifiable existing data; certain research on public benefit or service programs; and certain taste and food quality evaluation and consumer acceptance studies.

<sup>&</sup>lt;sup>4</sup> According to the Common Rule, vulnerable populations include minors, prisoners, pregnant women, mentally disabled persons, and economically or educationally disadvantaged persons. Other categories of human subjects may be considered vulnerable depending on the research activities.

http://www.upenn.edu/regulatoryaffairs/human/forms.html
 http://www.hhs.gov/ohrp/humansubjects/guidance/45cfr46.htm#46.116

Demonstrating adequate protection of the confidentiality of research subjects does not necessarily imply a requirement to submit the survey instrument to the IRB.

<sup>8</sup> For survey research, pregnant women are not considered a vulnerable population.

http://www2.asanet.org/footnotes/feb02/indexone.html

<sup>10</sup> http://www.hipaadvisory.com/regs/finalprivacy/

#### Talking to the Experts: Learn More about Your Health Insurance

Figuring out how your health insurance works can be confusing—especially when dealing with situations or issues that are out of the norm. On Wednesday, October 4, representatives from Penn's medical, prescription, and mental health benefit providers will be in the Ben Franklin Room, Houston Hall to discuss non-standard insurance situations and to answer your individual questions.

From 10–11 a.m., each vendor will give a 15-minute presentation, and then from 11 a.m.–2 p.m., all vendors will be available to answer your questions. For more information, contact Human Resources at (215) 898-7281 or askhr@hr.upenn.edu.

-Division of Human Resources

Time	Vendor	Topics included
10–10:15 a.m.	Penn Behavioral Health	mental health benefits (in and out of network)     helpful tools available on the PBH website
10:15–10:30 a.m.	Aetna	emergency charges     international/national travel     helpful tools available on the Aetna website     what happens to my coverage if I'm no longer employed or if my dependent is no longer eligible to remain on my plan
10:30–10:45 a.m.	Independence Blue Cross	3-tier benefit structure on PPO and POS plans     guest membership/Blue Card program (if you have children away at school; if you or your spouse travel frequently)     emergency charges     helpful tools available on the IBC website     what happens to my coverage if I'm no longer employed or if my dependent is no longer eligible to remain on my plan
10:45 –11 a.m.	Caremark	coverage for injectibles     generic vs. brand name drugs     helpful tools available on the Caremark website
11 a.m.–2 p.m.	All vendors	Open Forum where faculty and staff can ask questions and pick up information

### Musculoskeletal Disorders Pilot and Feasibility Grant: November 1

The Penn Center for Musculoskeletal Disorders is accepting applications now for its Pilot and Feasibility Grant Program. Submissions should be related to musculoskeletal tissue injury and repair which is the broad focus of the Center and Grants are only eligible for Center members. Note that one of our initial Pilot Grants has just been funded extramurally as an NIH R21 thus freeing up one Pilot Grant slot in our Center. Therefore, our short "off sequence" deadline for submission is *November 1*, 2006 with an expected funding of one new award by December 1, 2006. Potential applicants are encouraged to send me a short e-mail, with your name, primary department, a rough title of your proposed project, a sentence or two (at most) describing the global hypothesis or objective, and a note as to which of the 3 Research Cores (Microarrays, Structure-Function Biomechanics, Small Animal Imaging) you would use. I would appreciate receiving this e-mail ASAP, (soslowsk@mail.med.upenn.edu) so I can advise and guide you on the appropriateness of your application idea within the framework of the overall Center. For more information on our Cores and Center in general, please see our website at www.med.upenn.edu/pcmd.

Eligibility

• Only Center members are eligible. If you are not currently a member, please e-mail Rosalie Hughes at *hughesr@mail.med.upenn.edu* who can send you information on becoming a member.

• Categories of applicants include: 1) Established investigators with a proposal to test the feasibility of a new or innovative idea in musculoskeletal tissue injury and repair representing a clear and distinct departure from their ongoing research, 2) Established investigators with no previous work in musculoskeletal tissue injury and repair interested in testing the applicability of their expertise on a problem in this area, and 3) New investigators without significant extramural grant support as a Principal Investigator to develop a new project.

• Pilot and Feasibility Grants should use at least one of the Center's Research Cores.

• Pilot project awardees are eligible for up to two years of funding (budgets will be for \$20-35,000 per year and timelines should be for one or two years).

• It is expected that these Pilot grants will lead to funding through other independent, extramural mechanisms. Therefore, the likelihood of future extramural funding will enter into the evaluation of these proposals.

—Louis J. Soslowsky, Director of Penn Center for Musculoskeletal Disorders

#### Institute for Translational Medicine and Therapeutics: Proposals

The Institute for Translational Medicine and Therapeutics (ITMAT) invites proposals from IT-MAT Members and ITMAT Associate Members in the Research Associate or Instructor A category. It is not too late to become a Member or an Associate Member if you would like to apply for the grant and meet membership criterion. If you are interested, please visit the membership section of our website (www.itmat.upenn.edu/membership.shtml) for details.

ITMAT plans to support translational research through its *Transdisciplinary Awards Program in Translational Medicine and Therapeutics (TAPITMAT)*. We are planning to fund 4 to 6 proposals in the range of \$100,000–\$150,000. These proposals require at least two Co-Principal Investigators, ideally from different disciplines within the University of Pennsylvania, at least one of whom has a primary appointment in the School of Medicine. The proposals must center on the translational space—from proof of concept in cells or model systems through to completion of dose selection in Phase II in humans. Programs that plan to progress within that space and which deploy technologies and approaches conventionally segregated from each other within the traditional boundaries of academic medicine will be especially favored. The proposals are due by *December 15*, 2006 for a proposal start date of *February 1*, 2007. Please visit our website at *www.itmat.upenn.edu/funding. shtml* for detailed instructions.

-Garret A. FitzGerald, Director, ITMAT

### Penn's Way 2007

#### Week One Raffle: October 10-14

Così Lunch for two: Beverage and Salad/Sandwich certificates

Dinner for two @ White Dog Café (\$70) & \$15 gift certificate to The Black Cat

\$25 Macy's gift certificate from AE Litho Group \$5 Metropolitan Bakery gift certificate Book of 5 passes to the Class of 1923 Ice Rink Morris Arboretum (1 year) membership

(2) \$10 Houston Market gift certificates Penn's Way Painter pack: \$50 gift card to Finnar-

en & Haley and \$50 gift card to Home Depot 4 tickets to Men's Basketball: *Penn vs. Harvard*, 2/10/07

Photographic Book from Creative Communications

Sports Pack 1: Men's Basketball: pair of tickets to: *Pennvs. Monmouth*, 11/28/06; and Women's Basketball: pair of tickets to: *Pennvs. Villanova*, 12/3/06

In order to be considered for the weekly raffles, pledges must be made electronically before 5 p.m.; paper pledges by noon on *Friday, October 6*.

The first drawing will be on October 9 and every Monday thereafter, through November 13.

Winners will be randomly drawn and posted on the Penn's Way website and in *Almanac*.

Winners should contact Tracey Napolitano at *tnapolitano@publicsafety.upenn.edu* or (215) 573-7857 to arrange for prize pick-up.

# One Step Ahead

Security & Privacy Made Simple



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

# Create Strong, "Uncrackable" Passwords to Foil Hackers

You may not realize it, but the number one reason computers get hacked is weak passwords. To protect against hackers, who use automated password-cracking dictionaries to gain access to online accounts and individual computers, be sure to use strong, hard-to-guess passwords with the following characteristics:

• Are at least 8 characters long

• Contain no words found in English or foreign language dictionaries

• Contain no words found in specialized dictionaries, including those used by hackers, which include names, proper nouns, and popular words from non-standard sources such a music, movies, and video games

• Contain a mixture of at least three of the following: uppercase and lower case letters, digits (0-9), and special characters (%\*!, etc.)

• Contain no personal information such as your birth date.

To create a strong password, think of a phrase that has meaning only to you; for example, "My son Charlie Jones goes to school in Bryn Mawr, PA." Take the first letter from each word to create a password that is nearly uncrackable yet not hard to remember: "MsCJgtsiBMPA." To make it even tougher to crack, use digits and special characters: "MsCJg2siBM,PA." If you find it necessary to write down your password, don't leave it in an accessible spot or share it with anyone.

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

#### **CHANGES**

Due to scheduling conflicts, the following talks have been cancelled: October 6: The Impact of Medicaid Managed Care on Hospitalizations for Ambulatory Care Sensitive Conditions and October 18: Global Health in Action.

The ICA event on October 4 entitled Whenever Wednesday: Business of Art Dealers and Collectors will take place at 5 p.m. in rm. F-95, Jon M. Huntsman Hall.

#### **FILMS**

#### South Asia Center Film Series

Screenings: 6 p.m.; rm. 111, Annenberg School.

3 Khush.

**10** My Son the Fanatic.

#### SPECIAL EVENT

**10** God and Allah Need to Talk; combining film, music, interfaith dialogue, and a "call to action;" 6:30 p.m.; Bodek Lounge, Houston Hall (The Religious Life Liaisons).

#### **TALK**

Monkeypox: Challenges in Past Smallpox Era; Mary Reynolds, Centers for Disease Control and Prevention; noon; auditorium, CRB (Microbiology).

**Deadlines:** The deadline for the weekly Update is every Monday, for the following Tuesday's issue. The deadline for the November AT PENN calendar is Tuesday, October 17. For information see www. upenn.edu/almanac/calendar/caldead-real.html.

#### RESEARCH

Postmenopausal Women Needed for Endocrine Study. The University of Pennsylvania Health System/Division of Endocrinology seeks non-diabetic women 50 to 79 years old. Eligible volunteers will receive free medical exams and blood test results. Participants will be compensated. Please contact Dr. Patel at (215) 614-0579 for more information.

Do you have arthritis in your knees? Would you like to participate in a study designed to find out if acupuncture may help you walk better and decrease the pain? The study compares real acupuncture using needles that do not puncture the skin in patients who need physical therapy. Call Pat Williams for information at (215) 898-3038.

Calling All Bones. Recruiting males and females ages 21-78 for a research study. You will not be required to take any medications. We will evaluate the health and strength of your bones. You will be compensated for your time. Call (215) 590-0499.

**60 years of age or more?** Sleeping less than normal lately? Have lots of energy? Feeling really good or really irritable? Distractible? Thoughts racing by? Engaging in lots of activities, even risky ones? You may be interested in learning about participation in a clinical research program that is currently being conducted at the Bipolar Disorders Program of the University of Pennsylvania Medical Center. Study participants receive free consultation, investigational medication and all study-related tests at no cost. Compensation available for time & travel. To learn more about this study, please call Stacy at (215) 746-6414

**Are you feeling depressed or down?** Researchers in the Psychiatry Department at the University of Pennsylvania are currently conducting a study of various treatments for adult depression. Common symptoms include: a lack of interest or pleasure, fatigue or loss of energy, feelings of hopelessness, feeling downhearted or blue, and changes in appetite or weight. Patients ac-cepted for the study will receive 4 to 8 months of psychotherapy, a standard antidepressant medication, or a pill placebo. All adults are encouraged to participate. For more information please call Susan at the Treatments for Depression Study at (215) 662-2552.

Penn's Depression Research Unit is conducting research into alternative, herbal treatments of anxlety. Symptoms of anxiety may include: nervousness, tension, difficulty relaxing, excessive worrying and sleep problems. Those who qualify will receive an initial evaluation and may take part in a research study with Chamomile for up to 8 weeks. For more information cell the DRI Let (1915) 663-3460

information call the DRU at (215) 662-3462.

Penn's Depression Research Unit is conducting research into non-hormonal, herbal treatments for peri and post menopausal anxiety symptoms. Symptoms of menopause may include: nervousness, tension, sleep difficulty, concentration problems, mood changes and hot flashes. Those who qualify will receive an initial evaluation and may take part in a research study with Black Cohosh for up to 3 months. For more information call the DRU at (215) 662-3462.

Do you have a child ages 4-10 years? You may be eligible for a study on sleep, behavior, and daytime functioning in families of children with and without autism spectrum disorders conducted through the Sleep Center at The Children's Hospital of Philadelphia. Eligible families will participate in a home visit, where parents will complete a series of question-naires about themselves and their child. In addition, parents and their child will wear a small wristwatch device for one week that measures periods of sleep and wakefulness. For more information call (267)

Investigation of a Food Supplement to Increase Energy. Dr. Patrick LaRiccia, at the University of Pennsylvania School of Medicine is investigating a refinsylvaria scribor of intedictine is investigating a food supplement that may increase energy in healthy individuals 45-65 years of age. The study is 9 weeks in duration, requires 3 office visits, weekly phone calls, and answering questions on very short questionnaires. All subjects will receive both active product and placebo at some time or times during the study. There are no charges to the subjects. Subjects who complete the study can elect to receive a two-month supply of the active product free of charge. Subjects must be free of major illnesses and diseases that are associated with fatigue such as cancer, chronic fatigue syndrome, major depression and fibromyalgia. Call (215) 662-8988 for information.

#### **Environmental Health & Radiation Safety Training: October 12**

The next live training program is: Introduction to Laboratory and Biological Safety at Penn; October 12, 9 a.m.-noon, BRB II/III Auditorium. (Please arrive early; sign-in 9–9:15 a.m. No admittance after 9:15 a.m. Penn ID is required. A Certificate of Completion will be granted at the end of the training session. Only those individuals who sign-in and receive the Certificate will be given credit for the course.)

This combined training program provides a comprehensive overview of safe work practices in the biomedical laboratory and meets the U.S. Department of Labor's OSHA requirements for employees who work with hazardous substances including chemicals, human blood, blood products, fluids and human tissue specimens. All faculty, staff and students at Penn who work in a laboratory and have not previously attended a live training presentation must attend this training.

The Office of Environmental Health & Radiation Safety (EHRS) develops and presents a variety of required training programs in live presentations or online formats. To determine which training programs you are required to take, review the section "Training Requirements" on the EHRS website www.ehrs.upenn. edu/training/traindate.html.

#### 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 September 18-24, 2006. Also reported were 23 Crimes Against Property (including 21 thefts, 1 burglary, and 1 fraud). Full reports are available at: <a href="https://www.upenn.edu/almanac/volumes/v53/n06/cre-port.html">www.upenn.edu/almanac/volumes/v53/n06/cre-port.html</a>. Prior weeks' reports are also online. — Ed.

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 September 18-24, 2006. The University Police actively patrol from Market Street to Baltimore Avenue and from the Schuylkill River to 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 opportunicurate 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.

09/19/06 09/21/06 11:34 PM 4:11 PM 3900 Locust St 3935 Walnut St Disorderly Conduct Assault 2:20 AM 7:41 PM Disorderly Conduct Other Offense 09/23/06 09/23/06 200 40th St 3220 South St

#### 18th District Report

6 incidents (3 robberies and 3 aggravated assaults) with 4 arrests were reported between **September 18-24, 2006** by the 18th District covering the Schuylkill River to 49th St. & Market St. to Woodland Ave.

09/20/06 09/20/06	8:12 PM 10:15 PM	4600 Sansom St 907 47th St	Robbery/Arrest Robbery
09/21/06	9:43 AM	501 42nd St	Aggravated Assault/Arrest
09/22/06	2:24 PM	5105 Chancellor St	Aggravated Assault
09/23/06	12:00 AM	4700 Springfield Ave	Robbery/Arrest
09/24/06	9:51 AM	5009 Walton Ave	Aggravated Assault/Arrest

Almanac is not responsible for contents of classified ad material.

Submissions for classified ads are due every Thursday for the following Tuesday's issue. For information call (215) 898-5274 or visit www.upenn.edu/almanac/faqs.html#ad.



# Almanac

Suite 211 Sansom Place East 3600 Chestnut Street, Philadelphia, PA 19104-6106 Phone: (215) 898-5274 or 5275 FAX: (215) 898-9137 E-Mail: almanac@pobox.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 PennWeb) include HTML and Acrobat 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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# STRONGERTOGETHER Penn's Way

October 2-November 17, 2006

Dear Colleagues:

The Penn Community is truly inspiring! We would like to extend our sincere gratitude for making last year's workplace charitable giving campaign an unparalleled success. Through your generosity and spirit of giving, along with the important work of the many charitable organizations in our region, we'll be able to continue to send a resounding message of hope and support to our community organizations and the vulnerable populations these agencies serve. Thank you!

Strengthening neighborhoods and communities is an aim that we all share and this year will mark an exciting collaboration: we proudly announce that this year's workplace charitable giving campaign will see the efforts of both the University of Pennsylvania and the University of Pennsylvania Health System combined into one exceptional Penn's Way 2007 Campaign. As the largest employer in Philadelphia, the leveraging of our collective energies will make us STRONGER TOGETHER and the strength of our combined generosities will catapult us towards reaching our goal of raising \$1,000,000 for the communities in which we live!

This powerful union will provide an immediate impact towards making a broader difference in our region. It will also afford you with a wider variety of charitable outlets to which to give. The Penn's Way 2007 campaign has partnered with three organizations, each of which utilizes their expertise to approach the challenges facing our community today. They are:

• The Center for Responsible Funding

Penn Medicine

· United Way

Please review the materials to learn more about the campaign, and then go to www.upenn.edu/pennsway/ to enter your pledge and view the raffle prizes for each week. Pledging online is secure, convenient and time-saving. You can also watch for updates on the campaign in Almanac and the Penn's Way Campaign web site.

Inspire us once again! Please help make the unified Penn's Way 2007 campaign STRONGER TOGETHER by pledging your support today. With your generosity and our combined commitment to helping people, we will build stronger neighborhoods, improve communities and provide healthier lives for all!

Please accept our sincere appreciation for your continued generosity!

Maureen S. Rush Vice President, Public Safety, Penn

Penn's Way 2007 Co-Chair

Larry Gladney Professor of Physics, Penn Penn's Way 2007 Faculty Advisor Susan E. Phillips

Senior Vice President, Public Affairs, UPHS

Penn's Way 2007 Co-Chair

David Kennedy

Vice Dean for Professional Services, UPHS

Penn's Way 2007 Faculty Advisor

#### Penn 2007 Penn's Way Campaign—Coordinators

If you have questions about the campaign or the pledging process, please contact a Campaign Coordinator from your School or Center, listed below. We strongly urge you to utilize our online giving system at www.upenn.edu/pennsway. If you prefer to use a paper pledge form, please contact a coordinator from your School/Center: forms will be available upon request.

For all other Penn's Way campaign questions or concerns please contact: Rob Eich at (215) 898-4483 or reich@publicsafety. upenn.edu; or Lissa Kapustin at (215) 898-7515 or lkapustin@publicsafety.upenn.edu.

#### UPHS 2007 Penn's Way Campaign—Coordinators

If you have questions about the campaign or the pledging process, please contact the Campaign Coordinator for your entity (see www. upenn.edu/almanac/volumes/v53/n06/pennsway-UPHS.html). Al paper pledge forms should be collected by your department Campaign Captain or can be sent directly to the Campaign Coordinator for your entity.

For all other Penn's Way campaign questions or concerns please contact: Alyson Cole, UPHS Penn's Way Operations Chair, (215) 662-6371 or colea@uphs.upenn.edu.

For the Raffle, see page 6.

#### University of Pennsylvania 2007 Penn's Way Campaign—Coordinators

SCHOOL/CENTER	2007 Volunteers
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School of Arts and Sciences	Dyan Anderson, Allison Rose

SCHOOL/CENTER	2007 Volunteers
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SEAS	Megan Doherty, Kathy Wohlschlaeger, Vukan Vuchic, Tara Betterbid
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