

**Monday, November 2:**

**Tuesday, November 3:**

**Grad Student Donuts**

10:30 am, Room J-223

**Wednesday, November 4:**

**Faculty Research Lunch Seminar: Mike McAlpine, "Flexible, Efficient Energy Harvesting"**

12:30 pm, Faculty Lounge – Lunch will be served.

**Thursday, November 6:**

**Friday, November 7:**

**NEWS**

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**Congratulations to Stephanie Goldfarb** on passing the research component of her general exam and completing the process!!

**Congratulations to Mike Littman** who was elected a Fellow to the Optical Society of America (OSA) at their annual Board of Directors meeting on October 12, 2009.

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**The Eric and Wendy Schmidt Transformative Technology Fund – Request for Proposals**

**Letter of Intent Deadline: 5:00 PM Friday November 13, 2009      \*\* Required\*\***

**Proposal Deadline: 5:00 PM Friday December 18, 2009**

Following up on today's [press release](#), I am delighted to announce the inaugural competition for support from the Eric and Wendy Schmidt Transformative Technology Fund (EWSF), endowed by the Schmidts' perceptive generosity.

The purpose of the fund is eloquently put forth by President Tilghman: "...revolutionary advances spring from the arrival on the scene of new technologies that allow investigators to explore unresolved questions with new tools, or to ask previously unapproachable questions. This fund will allow Princeton's engineers and scientists to explore truly innovative ideas that need the creation or application of new technologies, including the kinds of technological breakthroughs that most funding sources are too risk-averse to support. We are deeply grateful to Eric and Wendy not only for providing this support, but for providing the capacity and flexibility to make investments that are likely to have the broadest and most transformative impact. ... The intent is to fund risk-taking projects, understanding that with risk comes not only the potential for huge reward, but some frequency of failure."

In this spirit, the application and selection procedures will be simple, interactive, and direct: a distinguished peer-review committee will evaluate the proposals and make recommendations to the president, focusing entirely on the overall quality and innovativeness of the research being proposed, and its significance and likely impact on the field.

The University seeks to fund the following kinds of research:

- Invention of a disruptive new technology having potential major impact on a field of research.
- Acquisition of equipment or an enabling technology that will transform research in a field.

**Eligibility:** Faculty and research staff.

**Size and term of awards:** We plan to provide awards totaling approximately \$1 M per year *on the average*, depending on the number and requirements of high-quality proposals received. Funding will normally be spread over one or two years. Smaller payout, or even no awards will be made in years where the quality is inadequate. Sufficiently compelling proposals could be awarded up to \$1M.

**Allowable Expenses:** Equipment, materials and supplies, support for graduate students and postdoctoral researchers directly working on the project. Renovation costs are not allowed, nor are salary support for the Principal Investigator or senior researchers.

### **Application Procedures**

1. **Letters of Intent (LOI).** To aid in our planning we ask principal investigators to provide a simple, 1-page statement describing the concept and plan for the proposed research, and listing the expected members of the research team. Though required, these LOI's will not be evaluated by the peer-review committee. All letters of intent are due at the Office of Research and Project Administration (ORPA) by **5PM Friday November 13, 2009.**
2. **Proposals.** Proposals must be no longer than 5 pages, and should focus on the research proposed, emphasizing its potential significance and impact. All proposals must be received at ORPA by **5PM Friday December 18, 2009.**

Please be sure to address the following issues:

- The proposal must explain why the generation or acquisition of the specific technology is ground-breaking.
- Please provide a statement of support from the PI's Department Chair(s), which includes confirmation of any departmental resources on which the proposal depends (space, funding, etc.)
- Please include a budget and justification in sufficient detail to be reviewable by the committee.
- Proposed research that would combine support from the EWSF and other sources is eligible. In such cases the sources, amounts, and status of non-EWSF support must be specified. It is essential to emphasize the impact and leverage ("bang for the buck") that a grant from the EWSF would provide.

### **Selection Procedures**

1. A Peer Review committee will be appointed shortly after letters of intent have been received, with a membership that includes experts in all relevant research areas covered by the LOI's, and that does not have conflict of interest.
2. Subcommittees will promptly review the proposals in their fields of expertise, and pose questions to the principal investigator(s) where needed for clarification.
3. The committee will meet in early January 2010 to evaluate the proposals and select a set of finalists. Finalists will be invited to meet with the committee later in January as soon as a date can be arranged.
4. Following this meeting the committee will forward its recommendations to the President, who will consider them and announce the winner(s).

The Dean for Research and ORPA appreciates your assistance in circulating this announcement to the faculty and research staff.

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**The Fall Festival** held on Thursday, October 22<sup>nd</sup> turned out to be a huge success!! The carousel moonbounce and obstacle course were a hit and well enjoyed by all.

There were 8 entries in the Pie Baking Contest, with Professor Claire Gmachl's research group creating the MIRPLE Pie. In the end, the winners, chosen by Professor's Lex Smits, Bill Russel and graduate student Chrissie Peabody, were Kate Harrison-Apple Pie, Megan Leftwich-Mixed Berry, and Lauren Padilla-Berry Pear. Each received a custom logo embroidered apron. Many thanks to Sarah Braude and her aunt for this!!!

The Donut eating contest was held near the end of the event and the winners were Mac Haas, Josh Heyne and Joe Lefkowitz.

We received 36 entries in the "Guess the Candy Corn" jar, and Tyler Groff took the prize by guessing 237, closest to 240. He then began a candy corn catching contest from the roof patio of Bowen Hall down to Professor Craig Arnold and Justin Love, son of MAE Staff member Jo Ann Love.

There were many great pumpkin carvings and crafts made by children, grad students and faculty. We received a few donations from local caterers and vendors to whom I would like to show our appreciation. Cox's Market gave very tasty pies, Business Bistro provided the excellent wings, and Dunkin Donuts on route 1 provided some of the donuts. In addition we had make- your- own caramel apples. It was a bigger success than I had expected it to be.

All in all it seems it was a great event, if you would like to see pictures, please go to:<http://picasaweb.google.com/jessmikeo/FallFestival#>

Special thanks to Ray Cheung and Paul Reverdy for their shots, and if you have any pictures you would like to share, please let Jessica O'Leary know!!

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### **CPR**

I am happy to let you know that SEAS will be offering a CPR class on Monday, November 9 from 2:00-5:00 p.m. The cost per individual is \$35.00. SEAS will cover the \$95.00 instructor cost. For those departments willing to pay the \$35.00 for their staff, please let me know the project grant number you would like us to use.

PLEASE REGISTER WITH [dmgrieb@princeton.edu](mailto:dmgrieb@princeton.edu)  
If you took our CPR class last year your card does not expire until 2010.

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### **Engineers Without Borders First Annual Fall Benefit Banquet**

The Princeton and Rutgers University chapters of Engineers Without Borders cordially invite you to the First Annual Fall Benefit Banquet at Princeton University on November 12, 2009. EWB is a national student run organization dedicated to applying engineering principles to address local and international challenges in a sustainable manner. Each year, teams of students conduct research over the school year and travel during the summer and other breaks to implement their projects in our partner communities abroad. The success of our programs would not be possible without the generous support of our sponsors; please see the attached invite for more information. To learn more about our chapter projects, please go to <http://www.princeton.edu/~ewb/Home.html> and <http://ewb.rutgers.edu> .

If you are interested in attending, please RSVP to [ewb.benefit@gmail.com](mailto:ewb.benefit@gmail.com) and make checks payable to Princeton University Trustees, c/o Stephanie Landers, 21 ACE Engineering Quadrangle, Princeton, NJ 08544. For those attending, more information regarding directions and other details will be sent at a later time. In your RSVP, please include the following:

Name  
Contact information  
Association  
Dietary restrictions  
Donation amount

In the circumstance that you are unable to attend, we would greatly appreciate donations of any amount to support our endeavors. Also, feel free to pass the attached invitation along to colleagues and friends who may be interested! We hope to see you on November 12th for a night of food, entertainment, speakers, and a silent auction.

## Environmental Health & Safety Reminders for Lab Researchers

Please review the following bullets to ensure you are taking the proper measures to conduct your research safely and within University Guidelines. Contact EHS at 258-5294 for further assistance.

- **Lab Training Policy** <http://web.princeton.edu/sites/ehs/policies/labtraining.htm>
  - All individuals working in Princeton University laboratories, paid or unpaid, including faculty, staff, students and visitors, **must** attend Laboratory Safety Training provided by Princeton University EHS. Registration is managed online at [www.princeton.edu/training](http://www.princeton.edu/training).
- **Personal Protective Equipment** <http://web.princeton.edu/sites/ehs/labsafetymanual/sec6c.htm>
  - Appropriate PPE should be used while working with or around hazardous materials or processes to reduce the potential for exposure.
- **Particularly Hazardous Substance Use** <http://web.princeton.edu/sites/ehs/labsafetymanual/sec7j.htm>
  - Working with carcinogens, high acute toxicity reagents and reproductive toxins requires prior approval and a risk assessment to assure the proper methods are taken to handle and store the material safely. An extensive (not exhaustive) list of chemicals that are considered PHS's can be found at <http://web.princeton.edu/sites/ehs/labsafetymanual/appa.htm>
- **Shipping Hazardous Materials:**
  - Regulated chemical shipments require extensive training and paperwork to transport legally. Any amount of hazardous chemical that is shipped from Princeton University must be handled by EHS. A form is available online to be completed by a lab who wishes to ship. The form and procedures can be found at <http://web.princeton.edu/sites/ehs/LabPage/shipping.htm>
- **Chemical Waste Disposal** <http://web.princeton.edu/sites/ehs/chemwaste/index.htm>
  - Chemical waste with hazardous properties cannot be disposed in the trash or down the drain per Federal EPA laws. Unwanted chemicals (stock or used) must be managed according to EPA rules. This requires proper containment, labeling and disposal. <http://web.princeton.edu/sites/ehs/chemwaste/procedures.htm>
  - Chemicals that are considered non-hazardous can be disposed by alternate methods such as in the general trash or via the drain. An extensive (not exhaustive) list of non-hazardous chemicals can be found at <http://web.princeton.edu/sites/ehs/chemwaste/nonhaz.htm>. Solids that are disposed in the general trash must be sealed in a container and contents identified.
- **Lab Security Policy** <http://web.princeton.edu/sites/ehs/policies/labsecurity.htm>
  - After normal business hours, all laboratories must be locked when not in use
- **The Laboratory Safety Manual** <http://web.princeton.edu/sites/ehs/labsafetymanual/TOC.htm>
  - This website deals with safety specifically for Princeton University labs. Many questions that arise for lab related safety are addressed in the laboratory safety manual.

## H1N1 Vaccine

We want to inform faculty, staff and students about plans to distribute limited quantities of the H1N1 flu vaccine on campus. Please take a moment to read this e-mail in its entirety, as it contains important information about: who is eligible to receive the vaccine on campus; how the vaccine will be distributed; vaccination resources for faculty and staff; and the order in which students may receive the vaccine from University Health Services (UHS).

The New Jersey Department of Health and Senior Services is overseeing distribution of the H1N1 flu vaccine in the state. The University expects to receive its first shipment of the vaccine in a limited quantity next week, with further shipments expected from the state throughout the fall and winter.

The University expects to be able to offer vaccinations to individuals whose primary healthcare provider is UHS: undergraduate and graduate students, as well as dependents of students whose primary healthcare provider is UHS. All students must read the "H1N1 Vaccination Information for Students" listed below for details about how and when they may receive the vaccine on campus.

Because the state will distribute limited doses of the vaccine in staggered shipments, most providers, including the University, will not be able to provide vaccinations to all eligible groups during the same time period. Also, given the limited quantities, we regret that the University is not able to offer the H1N1 vaccine to all members of our community at this time.

In order to be eligible to receive the H1N1 vaccine, providers in New Jersey had to agree to distribute vaccinations according to the Centers for Disease Control and Prevention's (CDC) health priority guidelines. As doses are received from the state, UHS will contact eligible campus groups directly about when they may receive the vaccine at designated campus locations, in accordance with the CDC's prioritization guidelines.

In addition to students, the University will provide the H1N1 vaccine to two groups of staff who are considered high priority by the CDC: healthcare workers from UHS and emergency responders from the Department of Public Safety who transport sick students to and from McCosh Health Center.

The remainder of faculty and staff may contact their personal physicians or a local health department to determine how and when they may receive the H1N1 vaccine from other providers. The state has approved several doctors' offices, hospitals, local health departments and other groups to distribute the H1N1 vaccine as per the same CDC prioritization guidelines that the University must follow. The University must await more information about state vaccine distribution plans to determine whether it will be able to offer the vaccine to faculty and staff as the vaccine becomes more widely available.

We understand that members of our community may have continued questions about the H1N1 vaccine, and University officials will provide updates about vaccine availability and the immunization schedule via e-mail and on the University's H1N1 web page:

<http://web.princeton.edu/sites/emergency/swineflu/>.

For general information on the CDC's vaccination priority guidelines, visit the CDC website:

<http://www.cdc.gov/h1n1flu/vaccination/acip.htm>.

### H1N1 Vaccination Information for Students

Because the timing for receiving vaccine shipments from the state and the number of doses in each shipment is unknown, it is anticipated that it may take several weeks before the H1N1 flu vaccine is

available to the entire student population. This is because, as stated above, the University will offer H1N1 vaccinations in staggered distributions to undergraduate and graduate students, as well as dependents of students whose primary healthcare provider is University Health Services.

As limited shipments of the H1N1 vaccine are received from the state, UHS will communicate directly via e-mail with student groups about when they may receive the H1N1 vaccine at designated campus locations. The vaccine will be administered to students per CDC priority guidelines in the following order:

**--Pregnant students (or dependents).** Pregnant women require a preservative-free form of the vaccine. UHS will begin distribution to pregnant women once this form of vaccine is received. Women will be required to present documentation from a healthcare provider confirming their pregnancy. Individuals must complete the online H1N1 vaccine registration form ([https://sp.princeton.edu/ehs/Vaccine Survey/](https://sp.princeton.edu/ehs/Vaccine%20Survey/)) to be notified via e-mail about when and where this vaccine will be available.

**--Students who are caregivers of babies less than six months old.** These students must present the baby's birth certificate as confirmation. Individuals must complete the online H1N1 vaccine registration form ([https://sp.princeton.edu/ehs/Vaccine Survey/](https://sp.princeton.edu/ehs/Vaccine%20Survey/)) to be notified about when and where this vaccine will be available.

**--Students 24 years old and younger with pre-existing medical conditions that put them at higher risk for flu complications.** High risk medical conditions include asthma, diabetes, heart disease, kidney disease and compromised immune systems. High risk students should have already identified themselves to UHS. Students who have not done so must complete the online H1N1 vaccine registration form ([https://sp.princeton.edu/ehs/Vaccine Survey/](https://sp.princeton.edu/ehs/Vaccine%20Survey/)). Students who have not previously identified themselves also will need to submit documentation to UHS from a healthcare provider in order to be placed on the list of high risk students.

**--Students 24 years old and younger.** Students who are 24 years old and younger who do not have pre-existing medical conditions.

**--Students 25 years old and older with pre-existing medical conditions that put them at higher risk for flu complications.** High risk students should have already identified themselves to UHS. Students who have not done so already will need to submit documentation to UHS from a healthcare provider in order to be placed on the list of high risk students.

**--Remainder of the student population** who do not fall under the above guidelines.

### **H1N1 Vaccine Costs**

The federal government is providing doses of the H1N1 vaccine free of cost; however, there are administrative costs associated with distributing the vaccine.

Any student or eligible student dependent who is on the University's student health plan (SHP) may receive the H1N1 vaccine from the University at no cost. Students or dependents on the student health plan should bring their Aetna Student Health card with them when they come to be vaccinated.

Individuals who are not on the student health plan will be charged a nominal fee of \$15 to cover the administrative costs of distributing the vaccine. A receipt may be submitted to private insurance companies for reimbursement. If a student is unable to pay the fee, financial assistance will be

available by contacting Jan Runkle at UHS at (609) 258-3555.

For more information, visit the University's H1N1 web page:  
<http://web.princeton.edu/sites/emergency/swineflu/>