

Pitt Chronicle

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Pitt to Open \$6.1 Million Nanofabrication Facility

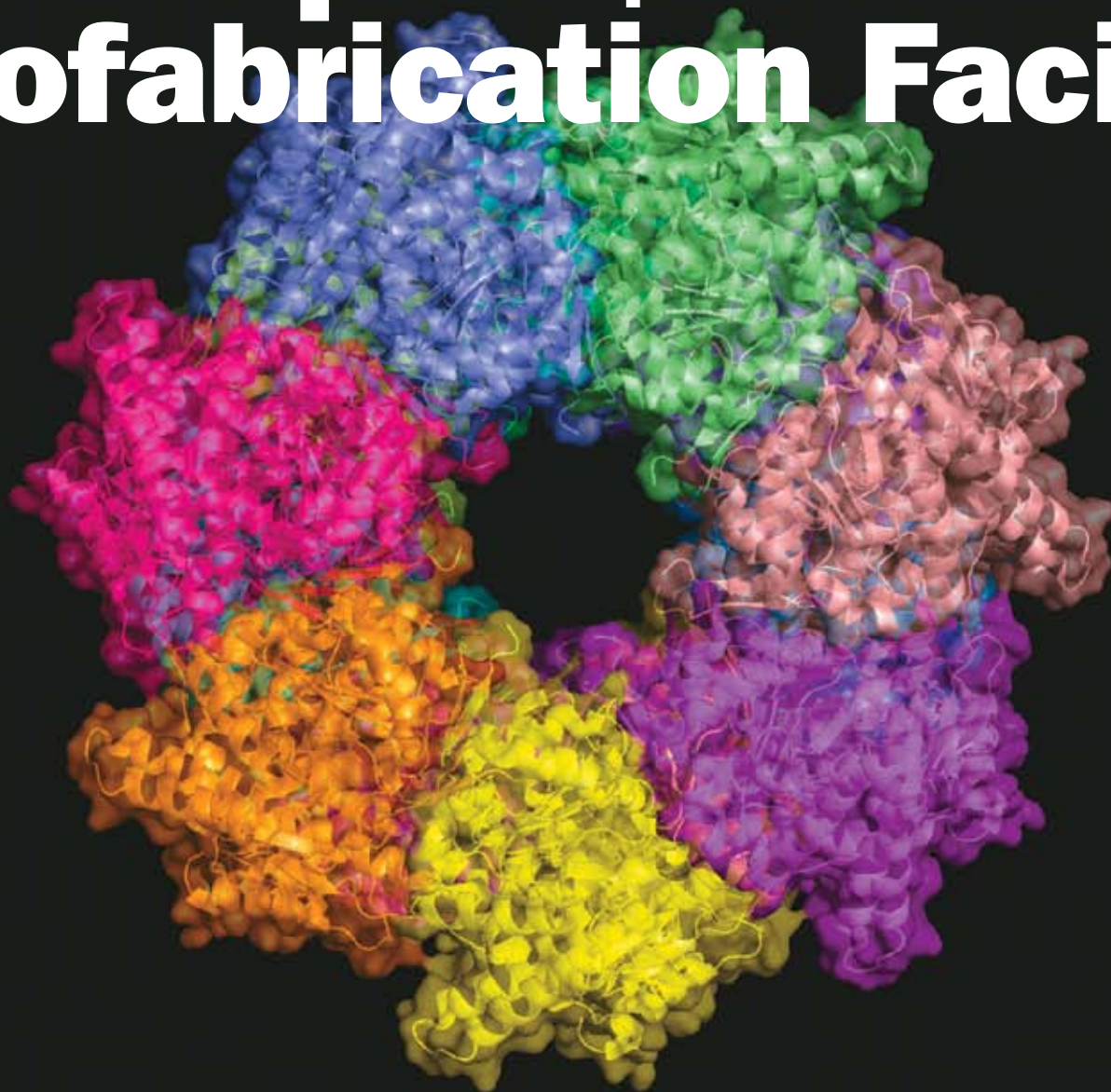


Image above: Chaperonin GroEL is one of the proteins studied by Ivet Bahar, professor and chair of Pitt's Department of Computational Biology. Bahar examines proteins' conformational dynamics, such as folding, in order to develop new theories and tools for improving our understanding of biomolecular machinery. Below: Water molecules confined inside a single-walled carbon nanotube. J. Karl Johnson, William Kepler Whiteford Professor in Pitt's Department of Chemical and Petroleum Engineering, studies the properties of fluids confined in nanoporous materials with the aim of developing new processes and products.

Dedication will feature talk by NSF senior nanotechnology advisor Mihail Roco; symposium titled "Frontiers in Nanoscience"

By Karen Hoffmann

Pitt will unveil its new \$6.1 million NanoScale Fabrication and Characterization Facility at a dedication ceremony at 4:30 p.m. Sept. 29 in the foyer of Benedum Hall.

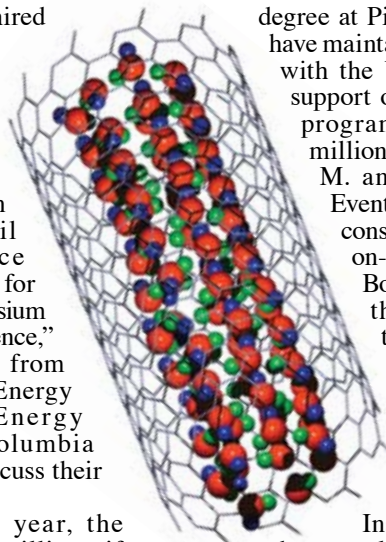
Following the dedication, tours will be available of the 4,000-square-foot facility, which serves the University's Gertrude E. and John M. Petersen Institute for NanoScience and Engineering.

In the last three years, three start-up companies and one major corporation have licensed nanotechnology developed by researchers at Pitt, which recently was ranked second in the nation in nano- and

microscale research by *Small Times*. Since spring 2005, Pitt has hired 13 new nanoscience faculty members, bringing the total number of faculty affiliated with the institute to 48.

The dedication will be preceded by a luncheon featuring speaker Mihail Roco, National Science Foundation senior advisor for nanotechnology, and a symposium titled "Frontiers in Nanoscience," during which researchers from the U.S. Department of Energy National Renewable Energy Laboratory (NREL), Columbia University, and Pitt will discuss their latest discoveries.

In February of this year, the University received a \$5 million gift from alumnus John M. Petersen and his wife, Gertrude, to create an endowment supporting research in nanoscale science and technology. John Petersen, the retired president and chief executive officer of the Erie Insurance Group in Erie, Pa., earned the



Bachelor of Business Administration degree at Pitt in 1951. The Petersens have maintained a strong relationship with the University through their support of a variety of University programs, including their \$10 million gift to name Pitt's John M. and Gertrude E. Petersen Events Center, home of what is considered the nation's premier on-campus basketball arena. Both avid fans of Pitt athletics, the Petersens continued their longstanding support of the Department of Athletics with a gift of \$600,000 to support baseball and swimming scholarships.

Work by Petersen Institute researchers already has resulted in the development of color-shifting paints, a contact lens-embedded sensor with the potential for noninvasive glucose-level monitoring for diabetes, and scaffolding to heal damaged hearts.

The new facility will promote multidis-

ciplinary research, scholarship, and education among Pitt's School of Engineering, School of Arts and Sciences, and Schools of the Health Sciences. Key technologies available in the facility include a transmission electron microscope, an electron-beam lithography system, and a modular X-ray diffraction system.

A full schedule of the Sept. 29 events follows.

11:30 a.m. Luncheon featuring speaker Mihail Roco, Senior Advisor for Nanotechnology, National Science Foundation
Connolly Ballroom, Alumni Hall

Roco will assess the research frontiers and applications of nanotechnology in an international context. He will address the implications of a National Nanotechnology Initiative (NNI) report, delivered Thursday, Sept. 21, to Congress, titled "Environmental, Health, and Safety Research Needs for Engineered Nanoscale Materials."

See **NANOFABRICATION FACILITY**, page 7

PHOTOGRAPHS BY MIKE DRAZDZINSKI/CIDDE



Early Childhood Reading, and Spellings

U.S. Secretary of Education Margaret Spellings read to young patients during a Sept. 14 visit to the UPMC St. Margaret Lawrenceville Family Health Center, spotlighting the importance of early reading to children. Among those who greeted Spellings was Jeannette South-Paul (pictured with Spellings at right), chair of the Pitt School of Medicine's family medicine department.

The Lawrenceville facility is one of five UPMC Family Health Centers that participate in Reach Out and Read, a nationwide early childhood literacy program. Doctors and nurses at the five UPMC sites distribute more than 2,500 books each year to children during health checkups and advise parents about the importance of reading aloud to their children. Studies of childhood literacy show that parents who receive books and literacy counseling from their children's doctors and nurses are more likely to read to their young children, leading to better language development.



Lozano Memorial Service

Scheduled for Sept. 28 in Heinz Memorial Chapel



A memorial service for Eduardo F. Lozano is scheduled for 10 a.m. Sept. 28 in Heinz Memorial Chapel. Lozano, an Argentine-born librarian, painter, and poet, died Aug. 25 at age 81 following a lengthy illness.

Lozano came to Pitt in 1967 as Latin American Bibliographer with the goal of establishing a library collection to support the University's Latin American Studies program. Although he planned to stay at Pitt for only a year, he would work here for 39 years, amassing a world-renowned collection of more than a half-million books, periodicals, and other reference materials that served researchers from around the world. The collection was named the Eduardo Lozano Latin American Collection in his honor in 1996.

Illness forced Lozano to retire earlier this year.

Immediately following the memorial service, a reception will be held in the Pittsburgh Athletic Association. (For the reception, jackets will be required.)

Pitt Arts Will Sponsor "Pitt Nights" This Fall

The University's Pitt Arts program will sponsor three Pitt Nights for students, faculty, staff, and guests this fall. Each Pitt Night will include admission to an arts performance plus free transportation, desserts, and meetings with artists—all for a couple of dollars more than the price of a Pitt Arts Cheap Seats discounted ticket.

The first Pitt Night will be at the Pittsburgh Symphony Orchestra's Sept. 29 concert beginning at 8 p.m. in Heinz Hall, 600 Penn Ave.

It will feature performances of Kodaly's Suite from *Hary Janos*, Prokofiev's "Violin Concerto No. 1," and Rimsky-Korsakov's "Scheherazade" conducted by Yan Pascal Tortelier and featuring violin soloist Leila Josefowicz. Pitt Night ticket prices start at \$17, and the event will include a dessert reception with Pittsburgh Symphony musicians.

The Pittsburgh Opera's Oct. 20 performance of Leoncavallo's *I Pagliacci* will be the second Pitt Night, with tickets for the 8 p.m. performance priced at \$18. Pitt Night participants will get to meet cast members following the performance, which

will be held in the Benedum Center, 719 Liberty Ave.

The third Pitt Night will be at the Pittsburgh Ballet Theatre's performance with full orchestra of Tchaikovsky's *Swan Lake* at 8 p.m. Oct. 27 in the Benedum Center. The \$17 ticket price will include admission to a pre-show soiree with Pittsburgh Ballet Theatre staff members.

Tickets can be purchased at Pitt Arts in 929 William Pitt Union. For more information, call 412-624-4498.

—Linnea Glick

University to Host Criminal Justice, Equality Discussion

Charles J. Ogletree Jr., Jesse Climenko Professor of Law and director of the Charles Hamilton Houston Institute for Race and Justice at Harvard University Law School, and Derrick Bell, Pitt law alumnus and Distinguished Visiting Professor of Law at Pitt and visiting professor of law at New York University School of Law, will participate in a discussion titled "150 Years After *Dred Scott*: Is the Most Criticized Case in American History Still Relevant?" at noon Sept. 27 in Room 111 of the Barco Law Building.

Ogletree earned the Bachelor and Master of Arts degrees in political science at Stanford University in 1974 and 1975, respectively, and received his law degree in 1978 from Harvard University. Named professor of law in 1993, Ogletree has served as director of Harvard's Criminal Justice Institute and as both faculty director and associate dean of clinical programs at Harvard.

Bell received his law degree from Pitt's School of Law in 1957, after having earned his undergraduate degree at Duquesne University in 1952. Former

litigator with the NAACP Legal Defense Fund from 1960 to 1965, Bell is said to have worked in every aspect of civil rights. Appointed to the Harvard University Law School faculty

in 1969, Bell left Harvard in 1981 to serve as dean at the University of Oregon School of Law. He returned to Harvard in 1986, but left again in 1992 to pursue his current position as a visiting full-time professor of law at the New York University School of Law.

—Patricia Lomando White



Derrick Bell



BRIEFLY

NOTED



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The 2006 Report of Chancellor Mark A. Nordenberg, University of Pittsburgh

Safeguarding Our Institutional Treasure

This is the printed version of the report delivered by Chancellor Mark A. Nordenberg at the June 23, 2006, Annual Meeting of the University of Pittsburgh Board of Trustees.



Hugh Henry Brackenridge

Good morning, everyone. As always, it is great to be with you, and I want to begin by thanking you for all that you have done, and continue to do, to help advance the University of Pittsburgh, on so many fronts and in so many different ways.

Just a few weeks ago, I purchased a recently published history of the Whiskey Rebellion, a key event in the political development of our country and also in the life of this region. When I randomly opened that volume, the first thing I saw was a reference to *Modern Chivalry*, a book written by our University's founder, Hugh Henry Brackenridge, and a book widely regarded to be the first American novel. I turned to the index and quickly concluded from the number of listings next to his name that Mr. Brackenridge, in addition to everything else he had done, must have played a significant role in this event. That should not have surprised me, because he was one of the leading citizens of the region, but I had not known about this particular part of his life, and reading about it was interesting. Thinking that some of you may be similarly interested in the Whiskey Rebellion and in our founder, we have placed copies of the book around the table with your Board materials.

I raise this now because reading that volume also added some perspective to my thinking about this annual meeting. Most of us almost view the Whiskey Rebellion as "ancient" American history, and the 1790s were a long time ago. However, to put that in more directly relevant context, our founder was dragged into the middle of that fray several years after he secured passage of the legislation chartering the academy that would become our University. Next February, in fact, we will celebrate Pitt's 220th birthday.

For understandable reasons, because this is a complex place, we frequently think of our stewardship responsibilities in more complicated terms. But at the heart of the matter, we have been entrusted with an institutional treasure—a University whose life spans two complete centuries and parts of two others; a University that has provided exceptional educational opportunities to hundreds of thousands of students over the course of its proud history; a University that has claimed a place as an internationally respected center of pioneering research;



HARRY GIGLIO

“At the heart of the matter, we have been entrusted with an institutional treasure—a University whose life spans two complete centuries and parts of two others; a University that has provided exceptional educational opportunities to hundreds of thousands of students over the course of its proud history; a University that has claimed a place as an internationally respected center of pioneering research; and a University whose activities sit near the heart of the collective hopes of its home communities. Our mission is to safeguard that treasure and add to its quality, strength, and impact.”

and a University whose activities sit near the heart of the collective hopes of its home communities. Our mission is to safeguard that treasure and add to its quality, strength, and impact.

Extraordinary Progress

Fueled by a determined effort from the entire University community—committed faculty and staff, hardworking students, loyal alumni, and devoted friends, as well as Trustees—that job is getting done. We see our progress in the trend lines charting changes in our own performance over time—with far higher numbers of applicants seeking admission, with better-qualified students enrolling, and with dramatically elevated levels of research support, just to give three key examples.

We also see progress in the positions we now occupy in the comparative rankings developed by others.

- As recently as 1997, we were not even listed among the top public national universities in the *U.S. News & World Report* annual ranking. In 1998, we debuted at 48. Last year, we rose to 19th—a clear sign of momentum, even if we do not fully embrace the weighting of factors in this particular assessment.

- In *The Top American Research Universities*, a report issued annually by

Top Public National Universities U. S. News & World Report

University of Pittsburgh Rankings

2005	19
2004	26
2003	27
2002	31
2001	39
2000	38
1999	38
1998	48
1997	Not Listed



See page 4

Federal Science and Engineering Research and Development Obligations

National Science Foundation Ranking Fiscal Year 2003



National Science Foundation
WHERE DISCOVERIES BEGIN

1. Johns Hopkins
2. Washington
3. Michigan
4. Penn
5. UCLA
6. Stanford
7. U.C. – San Diego
8. Washington U.
9. Duke
10. UCSF
11. Columbia
12. **Pitt**
13. Wisconsin
14. Harvard
15. Yale



In terms of student achievement, we added to last fall's Rhodes Scholarship win with great springtime news. Margaret Bennewitz and Tanya Keenan won Barry M. Goldwater Scholarships, Adam Idriss won a Harry S. Truman Scholarship, and Clayton Magill won a Winston Churchill Foundation Scholarship. Year after year, our University Honors College students successfully compete with the top students from the very best colleges and universities in the country.

the Lombardi Program on Measuring University Performance at the University of Florida, we are tied—with Ohio State, Penn State, and Virginia—for a ranking of 11th among the top public research universities in the country and are in striking distance of the only universities we trail—Berkeley, UCLA, Michigan, North Carolina, Wisconsin, Florida, Illinois, Minnesota, Texas, and Washington—which is very good company.

- In purely objective terms, we now rank 12th among all national universities, public and private, in the National Science Foundation's rankings of federal science and engineering research and development obligations.

- And we rank seventh nationally among all universities in levels of funding attracted from the National Institutes of Health.

Moving beyond the numbers, examples of progress and recognition from the past year have been inspiring. In fact, we already have celebrated a number of key triumphs. Certainly among the most significant from those earlier months were the dedication of our third biomedical science tower, a \$200 million facility that has redefined the "state of the art"; the presentation by the president to Professor Thomas Starzl, our organ transplant pioneer, of the National Medal of Science; and the selection of Pitt senior Justin Chalker as a 2006 Rhodes Scholar. The concluding weeks of the academic year also have been a time of achievement and impact.

On the facilities front, having opened our new biomedical science tower in the fall, we devoted the weeks of winter and spring to filling it. Research teams moved in and began pressing forward with their work. In late April, we formally dedicated the new labs of the Pittsburgh Institute for Neurodegenerative Diseases, which focuses on such illnesses as Alzheimer's disease and Parkinson's disease. Our special guests were the members of the Scaife family and the leaders of their foundations, which had contributed \$10 million to support that particular initiative.

Two weeks ago, we opened the beautiful new Schenley Plaza park, which has been called "Oakland's town square." It might also be called "Oakland's great connector," because it provides attractive, inviting physical connections between the magnificent collections of our Hillman Library and the Carnegie Library; between the artistic richness of the Stephen Foster Memorial, including the Charity Randall and Henry Heymann Theatres, and the Frick Fine Arts Building; and between the Nationality Rooms of the Cathedral of Learning, the exhibits of the Carnegie Museums, and the natural beauty of the Phipps Conservatory and Botanical Gardens. And, of course, this park also will be a main stop on the footpaths linking Pitt and Carnegie Mellon

University.

As we move into the weeks of summer, we are watching construction crews put the finishing touches on our newest hilltop residence hall. Ten years ago, the most urgent request coming to Pitt, both from city government and from neighboring residents, was to provide more campus housing for undergraduate students. By the time the fall term begins, we will have added 1,700 new residence hall spaces, increasing our capacity by more than one-third since 1995, with more such construction on the way.

Switching to high levels of faculty achievement, let me offer just two very recent examples. Anil Gupta, Distinguished Professor of Philosophy, was elected to the American Academy of Arts and Sciences—joining Dr. Starzl and five other members of our faculty, four of them also philosophers. Graham Hatfull, the Eberly Family Professor and chair of the Department of Biological Sciences, led efforts that attracted a \$2.1 million Howard Hughes Medical Institute (HHMI) grant to support undergraduate research projects and outreach initiatives in the biological sciences. Professor Hatfull earlier had received both a \$1 million HHMI grant—leading him to be called a Hughes "Million-Dollar Professor"—and a \$500,000 renewal to support programs that engage our undergraduate students in research. This is a particular Pitt strength that distinguishes our undergraduate experience from those offered at most other universities.

In terms of student achievement, we added to last fall's Rhodes Scholarship win with great springtime news. Margaret Bennewitz and Tanya Keenan won Barry M. Goldwater Scholarships, Adam Idriss won a Harry S. Truman Scholarship, and Clayton Magill won a Winston Churchill Foundation Scholarship. Year after year, our University Honors College students successfully compete with the top students from the very best colleges and universities in the country. This year's Goldwater, Truman, and Churchill Scholars, by the way, all came from Pennsylvania, reflecting the exceptional job we are doing in developing homegrown talent, an important part of our mission as a state-related university.

Not all of the recognition won by our students was individual. Earlier this month, a team of students from our College of Business Administration won the Honda Fit Marketing Challenge, a national competition centered on the development of a marketing strategy for this new Honda model.

And not all of our student victories were won by undergraduates. A team of law students, for example, won a hard-fought battle resulting in Medicare and Medicaid coverage for pancreas-only transplants. That three-and-one-half year legal struggle was supported by faculty from the Thomas E. Starzl Transplantation Institute and was led by School of Law

Professor Stella Smetanka, who also is a Pitt graduate. In fact, Stella was a student in the very first class I taught at the Pitt law school.

There is one other example of high achievement by a former Pitt student that I want to trumpet today. Your fellow Board member Steve Beering recently has been named the Chair of the National Science Board, which is an extraordinarily prestigious appointment. The National Science Board serves both as national science policy advisor to the president and Congress and as the governing board for the National Science Foundation. The first sentence in the biography of Steve posted on the board's official Web site states, "Steven C. Beering received B.S. and M.D. degrees and an honorary Doctor of Science

degree from the University of Pittsburgh." That brief biography also goes on to identify Steve as a Pitt Trustee—and how proud we are to claim him as a member of this group!

Progress Notwithstanding Challenges

Our recent record of institutional progress is all the more satisfying because it has been built in a time of real fiscal challenge. For the past 40 years, we have been a state-related university, and state support has played an important role in fueling our advancement. Over much of that period, however, Pennsylvania has lagged behind competitor states in supporting its public research universities, and the early years of this decade brought even worse news—appropriation cuts and freezes.

This past January, the *Chronicle of Higher Education* reported that, during the last fiscal year, state spending on higher education rebounded dramatically in most parts of the country. Unfortunately, Pennsylvania did not keep pace. Instead, according to the *Chronicle's* survey, state support for higher education increased by an average of 6 percent nationally, while Pennsylvania's increase was only 1.6 percent, placing us 39th among the 50 states. Prospects for the upcoming fiscal year were said to be encouraging in other states, but the projection for Pennsylvania was simply and grimly labeled "not good."

The governor's budget proposal, released in February, recommended a 4 percent increase for our education and general appropriation, which would be our most generous boost in years, and we are grateful for that. Still, that 4 percent would lag measurably behind last year's national increase of 6 percent; that 4 percent increase would apply only to our education and general appropriation and would be offset by recommended reductions to other line items, taking the total proposed appropriation increase down to 3.3 percent; and the purchasing power of our appropriation would remain several million dollars lower than it was just a few years ago.

Making our present circumstances even more difficult are declines in federal support targeting two areas that lie at the very heart of our mission: student aid and research. The 2006 "Outlook" edition of the *Chronicle of Higher Education* reported that "Federal funds for nonmilitary research will fall for the first time since the 1982 fiscal year" The budget of the National Institutes of Health (NIH) was cut by \$66 million from fiscal year (FY) 2005 to FY 2006 and is proposed to be frozen at that level for FY 2007, meaning that there will be fewer and smaller grants. According to Jordan Cohen, the president of the Association of American Medical Colleges and a member of the Board of Visitors of our School of Medicine, "The recommendation to freeze the NIH budget marks the fourth year in a row that funding has fallen below the rate of inflation. In constant dollars, this means the NIH has lost nearly \$2 billion in buying power since FY 2003."

Put another way, and as calculated by Senior Vice Chancellor for the Health Sciences Arthur Levine, if the NIH budget remains flat through 2010, it will have lost 20 percent of its purchasing power, and if it remains flat through 2012, it will have lost 26 percent of its purchasing power. However, even those stark numbers do not capture the full impact of these trend lines on universities like Pitt. Because certain other elements of the NIH budget cannot be reduced as easily, cuts to research and training grants are likely to be even more severe. Just last month, in fact, the NIH proposed capping reimbursements to universities for graduate students and postdoctoral researchers in an attempt to deal with its own budgetary challenges. Even with those changes, which would hurt Pitt and other universities, the





number of graduate students supported by such grants would have to be reduced by 200 next year and by even larger numbers in succeeding years.

In terms of federal student aid, the news is equally sobering. Here the *Chronicle* reported that, last December, Congress cut \$12.7 billion from government-backed student loan programs “to help slow the growth of federal spending over the next five years.” The *Chronicle* went on to state that “[t]he cuts, which are the largest in the loan programs’ histories, account for one-third of a \$40-billion deficit-reduction package that lawmakers in both chambers approved just days before...the holidays. To achieve those savings, the bill would slash government subsidies to private lenders, raise interest rates for students and parents, and require borrowers to pay a 1-percent fee to agencies that guarantee loans.” Proposed budget reductions for fiscal year 2007 would cut an additional \$3.5 billion from the budget of the U.S. Department of Education, eliminating several student-aid and college-preparation programs.

These cuts, on both fronts, have a magnified impact at Pitt. Because we are so strong in biomedical research, cuts to the NIH budget have a disproportionate effect on us. And because we continue to enroll large numbers of students of modest means, cuts to federal financial aid programs also have a disproportionate impact on Pitt and on the families we serve.

Just last month, the *Chronicle of Higher Education* published a special report entitled “Elite Colleges Lag in Serving the Needy: The Institutions with the Most Money Do a Poor Job of Reaching the Students with the Least.” The study used the percentage of a university’s student body eligible for Pell Grants—which are limited to families with annual incomes of less than \$40,000—as its measure of accessibility. Pitt ranked seventh among the 22 public Association of

American Universities institutions listed in this survey. And, to return to the real theme of the article, no private AAU university enrolled as high a percentage of Pell Grant-eligible students as Pitt did, and many of the private universities that are considered to be truly elite trailed very far behind.

As we make our way across this increasingly inhospitable fiscal landscape, one trend line in particular stands as a shining beacon of hope. This University has become markedly more effective in its fundraising.

- In 1995, we attracted \$39 million in total voluntary support. Last year, we attracted \$103 million in total voluntary support, and we expect to reach \$110 million this year, which would be an increase of 182 percent over 1995.

- Our capital campaign continues to exceed our most optimistic expectations. We launched this campaign with a \$500 million goal, when professional advisors were telling us that we were not positioned to launch any campaign. Despite that counsel, we moved ahead, achieved that first goal early, and doubled it to \$1 billion. Today, I am very pleased to advise you that we have raised \$960 million, that we also will reach the billion-dollar mark early, and that our momentum is still building.

- This is a campaign that has benefited from the extraordinary generosity of donors capable of making very large gifts, attracting 193 donations of \$1 million or more. It also is a campaign that has generated broad-based support, with gifts from more than 113,000 donors.

- Included among those 113,000 donors are 67,000 alumni. The Pitt Alumni Association has been a dedicated partner in this campaign, just as it has been in so many of the other institutional initiatives that have helped propel our University forward. The generous outpouring of support from our graduates back to their alma mater has

been one of the very heartening features of this campaign.

- At the same time, if you do the math, you can see that this campaign also has been supported by more than 45,000 donors who are not Pitt alumni. To be able to attract support from such a large number of donors, not motivated by alumni loyalty but who believe in Pitt enough to invest in us, also is inspiring.

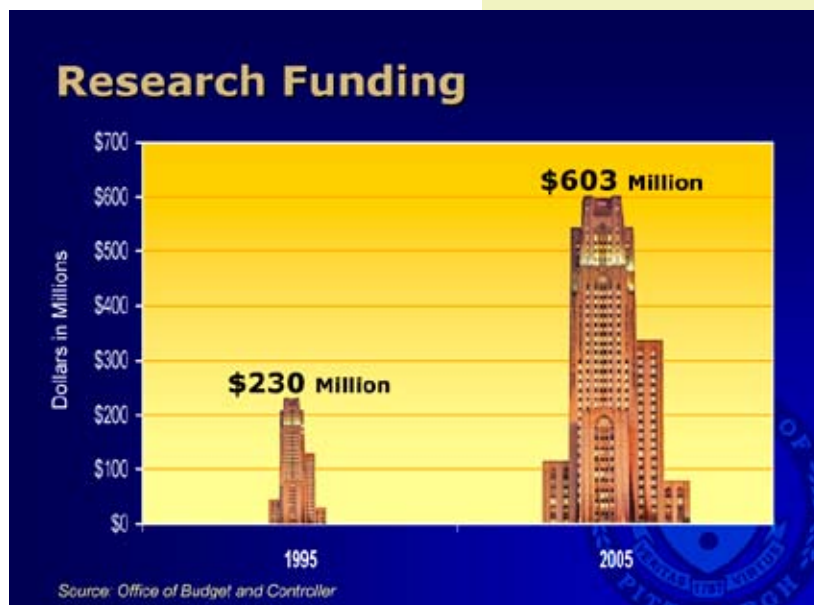
- This is a campaign that has taken our fundraising efforts in critical new directions. First, when we launched this campaign, individual giving accounted for only 24 percent of the support we were attracting annually. In each of the last two years, individuals accounted for more than 41 percent of our support. We knew that attracting ever-higher levels of individual support would be critical to our success and have worked successfully to move the campaign in that direction.

- In addition, gifts from outside the Pittsburgh region have accounted for more than 55 percent of our campaign total. We made outreach a priority and that, too, has worked. In fact, just as our research has become an engine for annually importing large sums of money into this region, so has our capital campaign.

- Most important, though, this is a campaign that has made an enormous difference in Pitt’s quality, starting with our ability to attract, support, and retain some of the most talented and committed people in the world, and I include in that description faculty, staff, and students. To highlight some particularly telling examples, the campaign already has produced more than 350 new scholarships and fellowships and 66 new chairs and professorships—forms of support that are absolutely critical if we are going to compete with the country’s very best universities. Just in the last few weeks, we celebrated major gifts from Tom and Sandy Usher to endow a chair in melanoma research; from the legendary Arnold Palmer to endow a chair in cancer prevention; and from Monto Ho, one of our most distinguished faculty members, and his wife Carol to endow a chair in infectious diseases and microbiology.

- This also is a campaign that has positioned us to initiate and sustain programs of quality and of impact. Let me, again, give just a few telling examples. The multiple, and extraordinarily generous, gifts from John Swanson to create and advance the John A. Swanson Institute for Technical Excellence have created a platform for us to do things no other University can do in education, research, and economic development. The creation, by Henry and Elsie Hillman, of the Hillman Fellows Program for Innovative Cancer Research provided early stage support for 23 novel, high-priority projects in this last year alone. The funding, by LaVonne and Glen Johnson, of the Johnson Institute for Responsible Leadership will help ensure that ethics and accountability remain visible and perpetual priorities in the programs of the Graduate School of Public and International Affairs. And the most recent gift from

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“By aggressively supporting the advancement of Pitt’s academic mission, we will clearly and consistently demonstrate that this is one of the finest and most productive universities in the world.” We already have traveled a fair distance on that never-ending journey. I look forward to our continuing efforts to support the people, develop the programs, and marshal the resources that will make us ever more successful in our pursuit of that noble goal.

John and Gertrude Petersen, two of our most generous benefactors, will support University-wide initiatives in nanoscience—and we were very pleased when the global trade publication *Small Times* recently ranked our microscale and nanoscale research programs second in the country.

• Obviously, this also is a campaign that has permitted us to construct

and renovate facilities that support our aspirations. As I have said to some of you in the past, this campus now is home to the best place in the country to watch a basketball game. And those two compelling examples are just the beginning of the story. In the past decade, we launched and completed more than \$1 billion in facilities projects. That construction, renovation, and restoration—here in Oakland and on each of our other four campuses—have dramatically elevated the “Pitt environment” in the arts, in instruction, in research, in recreation, in student life, in campus living, and in virtually every other area in which the people of the University are engaged.

But as far as we have come, we all know that much more remains to be done in our never-ending quest to secure an adequate resource base. We know it from the general trend lines, already discussed, evidencing the fact that these continue to be days of declining public support for higher education. We know it when we are dreaming about, or planning for, an even better Pitt. Certainly, it is not uncommon to find ourselves saying, “If only we had the resources to do that.” And when we look around, if we look closely enough, we also know it from the things that are still missing, even though we already have come so far together.

• In terms of some of the talented, committed people we were discussing just a few moments ago, let me start with our Rhodes Scholar, our Truman Scholar, our Churchill Scholar, and our two Goldwater Scholars. All of them received some form of direct University of Pittsburgh-funded aid—most typically, Chancellor’s Scholarships or Honors College Scholarships. But not one of those students, as talented and deserving as they are, drew support from an endowed scholarship fund.

• Or switch back to Professor Gupta, the philosopher recently elected to the American Academy of Arts and Sciences. He has been designated a Distinguished Professor by the University. However, as distinguished as he is, he does not hold an endowed chair. Philosophy may be the top-ranked discipline University-wide at Pitt. In fact, when the National Research Council last assessed the comparative strength of doctoral programs by discipline, both our philosophy department and our history and philosophy of science department were ranked among the country’s top five. Despite that fact, and even though Professor Gupta and four philosopher colleagues are members of the American Academy of Arts and Sciences, those two departments combined have only two endowed chairs.

• Or turning to program support, with all it has accomplished in elevating the quality of undergraduate education, think about what it would mean to our University—and to our high-achieving students—if our University Honors College was endowed, as

so many are at other major universities. And that is just one very visible example.

• Or, as you wander our campuses, think about what we will need to do to preserve our architectural treasures and to bring existing buildings up to modern functional standards, as well as constructing the new buildings that may be essential to the successful pursuit of our dreams. As we all know, facilities’ needs never are permanently satisfied—and if those needs are neglected, huge deferred maintenance problems result.

Of course, we also know that more needs to be done because we are watching the competition. During the last 10 years, we have moved this University even higher in the ranks of the country’s very finest universities—which means that we are competing more directly with stronger, better-funded institutions. And those universities are not standing still themselves—in fundraising or on any other front.

Four weeks ago, the *New York Times* published an article reporting that Columbia University was about to move forward with a \$4 billion capital campaign, which the *Times* said would be the largest in higher education history. And there was more. That same article also reported that the University of Virginia soon would announce a \$3 billion campaign and that New York University already was in the midst of a \$2.5 billion campaign.

Some of the quotes included in the article were as telling as the dollar amounts. The president of George Washington University said, “Money is the mother’s milk of academic quality. ...Everybody needs more all the time.” The dean of the Curry School of Education at the University of Virginia added, “The right way to think about campaigns is that these kinds of schools are going to be in one forever.”

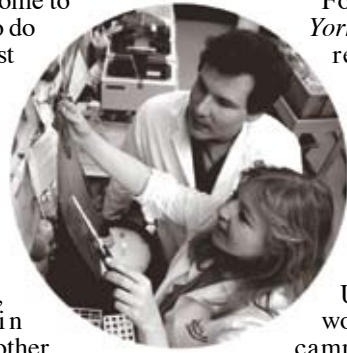
Perhaps because it has been so satisfying to defy the odds by keeping what had been viewed as a foolishly aggressive initiative on track, ahead of schedule, and in search of even more ambitious goals, our fundraising

efforts to date seem to have breezed by. It seems like yesterday that we first were discussing campaign options during a Board retreat in Scaife Hall; and it seems like yesterday that we gathered in the Carnegie Music Hall during Discovery Weekend to publicly announce our \$500 million goal; and it seems like yesterday that this Board passed a resolution doubling that goal to \$1 billion. And here we are, on the verge of reaching that much larger goal early as well.

We never have indulged ourselves by taking much time to celebrate. Instead, we all know that even our existing needs have not yet been fully met and that an array of exciting new opportunities and serious new challenges will greet us in the years ahead. Obviously, we need to be “resource ready” for both.

Irving Berlin, one of history’s most famous and prolific composer-lyricists, once said, “The toughest thing about success is that you’ve got to keep being a success.” We understand that challenge—including the fact that past successes have brought with them both higher expectations and stiffer competition—and we welcome it. In fact, we fully realize that it is our shared good fortune to have reached a point where sustaining success is our pressing challenge.

In February of 2000, just a little more than six years ago, this Board publicly declared, “By aggressively supporting the advancement of Pitt’s academic mission, we will clearly and consistently demonstrate that this is one of the finest and most productive universities in the world.” We already have traveled a fair distance on that never-ending journey. I look forward to our continuing efforts to support the people, develop the programs, and marshal the resources that will make us ever more successful in our pursuit of that noble goal.



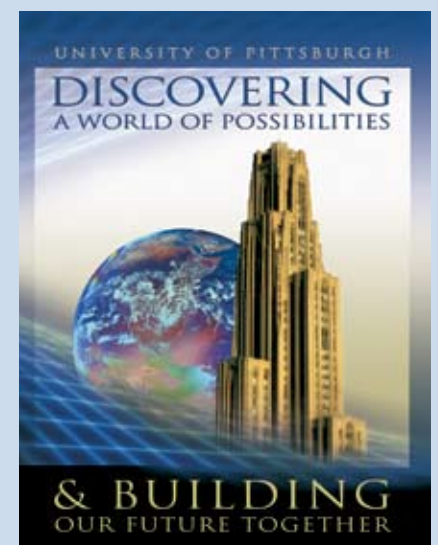
Discover a World of Possibilities Capital Campaign Extended

Following the chancellor’s report, the University of Pittsburgh Board of Trustees passed a resolution authorizing the University to extend Pitt’s Discover a World of Possibilities fundraising campaign—doubling its goal from \$1 billion to \$2 billion. Excerpts from the resolution follow.

WHEREAS, this campaign has added substantially to the academic strength and stature of the University by providing support for talented and deserving students, committed and high-achieving faculty members, programs of quality and impact, and facilities that are essential to the achievement of our institutional goals, and

WHEREAS, the University of Pittsburgh is faced with constrained governmental funding for student financial aid, research, programs, and facilities and must continue to attract private gifts and grants to support its important mission, and

WHEREAS, the Board of Trustees remains firmly committed to its statement of aspiration, publicly adopted in February of 2002: “By aggressively supporting the advancement of Pitt’s academic mission, we will clearly and consistently demonstrate that this is one of the finest and most productive



universities in the world,” now therefore be it

RESOLVED, that the members of the Board of Trustees do hereby authorize and dedicate themselves to an extension of the capital campaign, with an increased goal of Two Billion Dollars, to be used to support the people and programs of the University of Pittsburgh in ways that further enhance its strength and quality, increase its impact, and add to its already proud legacy.

Nordenberg, Derricotte Help to Dedicate “City of Asylum” Sanctuary for a Writer



JIM BURKE/CIDDE

Pitt Chancellor Mark A. Nordenberg served as honorary chair of a Sept. 9 concert of poetry and jazz dedicating a North Side house as a future sanctuary for an exiled writer. Toi Derricotte, a Pitt professor of English and a leading African American poet, was among the participating artists. Nobel Laureate Wole Soyinka of Nigeria gave his blessing to the house, located at 404 Sampsonia Way; it is the city's second dwelling to be dedicated by the Pittsburgh chapter of North America Cities of Asylum as a shelter for an exiled international writer. Clockwise from above: audience members; the Sampsonia Way house (dedicated in 2004) of exiled Chinese artist Huang Xiang, which he decorated with his verse; Soyinka and Nordenberg; and Derricotte (in circle inset).



Pitt to Open \$6.1 Million Nanofabrication Facility

NANOFABRICATION FACILITY, continued from page 1

A key architect of the NNI, Roco chaired the initiative for the first five years of its existence. Under Roco's coordination, federal expenditure in nanotechnology research has grown from \$116 million in fiscal year 1997 to \$1.2 billion in 2005. Roco is credited with 13 inventions and has authored or coauthored more than 200 scientific and engineering articles as well as 12 books and manuals.



Nanofabrication Facility under construction at Benedum Hall

1-4 p.m. “Frontiers in Nanoscience” Symposium Connolly Ballroom, Alumni Hall

1 p.m. John T. Yates Jr., R.K. Mellon Professor of Chemistry and Physics at Pitt, Introductory Remarks

1:05 p.m. Louis E. Brus, S. L. Mitchill Professor of Chemistry, Chemical Engineering, and Applied Chemistry, Columbia University, “Optical Properties of Carbon Nanotubes”

1:55 p.m. Arthur J. Nozik, Senior Research Fellow, NREL, “Multiple Exciton Generation in Semiconductor Quantum Dots: Applications to Third Generation Solar Photon Conversion”

2:45 p.m. Jeremy Levy, Pitt Professor of Physics and Astronomy “Nanostructured Materials for Quantum Computation and Other Applications”

3:10 p.m. Sanford Asher, Distinguished Professor of Chemistry at Pitt, “Self-

Assembling Smart Photonic Crystal Materials”

3:35 p.m. Hrvoje Petek, Pitt Professor of Physics and Astronomy and Codirector of the University's Petersen Institute, “Imaging Light With Light in Nanostructured Metal Films”

4:30 p.m. Facility Dedication and Tours, Foyer, Benedum Hall

5-6 p.m. Reception, Foyer, Benedum Hall

For more information about Pitt's Petersen Institute of NanoScience and Engineering, visit www.nano.pitt.edu.

Falk Pharmacy Will Offer Free Prescription-Delivery Service to Pitt Faculty, Staff Members

By Bruce Steele

Beginning Oct. 2, Falk Pharmacy will offer a free prescription-delivery service to Pitt faculty and staff members enrolled in the UPMC Health Plan who work in the following campus buildings: Benedum Hall, Craig Hall, Hillman Library, Medical Arts Building, Posvar Hall, and Sennott Square.

In Craig Hall, prescriptions will be delivered to the first-floor reception area, where faculty and staff can pick them up after 1 p.m. on Wednesdays and Fridays.

In the other five buildings, prescriptions will be delivered to employees at their offices before 4:30 p.m. on Mondays and Thursdays. If customers don't expect to be in their offices at scheduled delivery times, they must notify Falk Pharmacy staff in advance that they want their medication(s) left with other people in their departments.

Prescription orders must be made by 5:30 p.m. for delivery the next business day.

Falk Pharmacy, located in the Falk Medical Building at 3601 Fifth Ave., will not accept cash payments for deliveries but will accept all major credit cards, including the “Benny Cards” issued to participants in Pitt's flexible spending accounts plan.

To protect employees' privacy, delivered packages will not identify the specific contents.

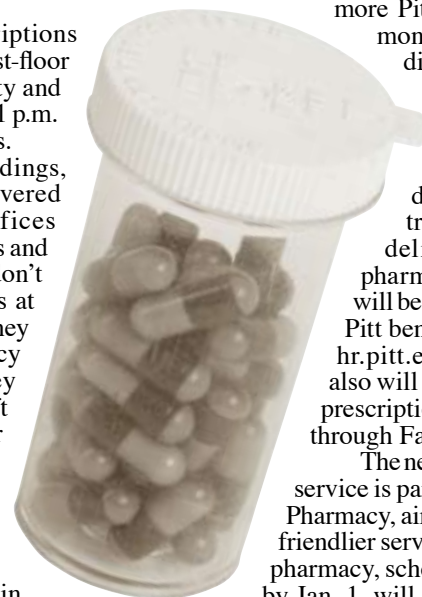
Falk Pharmacy will deliver over-the-counter medications to employees in the same orders with their prescription drugs, but will not deliver over-the-counter medications alone.

The pharmacy will extend its free prescription-delivery service to more Pitt buildings in coming months, said John Kozar, director of benefits in the University's Office of Human Resources.

Instructions on beginning the office-delivery process or transferring prescription deliveries from another pharmacy to Falk Pharmacy will be posted next week on the Pitt benefits Web site at www.hr.pitt.edu/benefits. The site also will include information on prescription discounts available through Falk Pharmacy.

The new prescription-delivery service is part of an upgrade of Falk Pharmacy, aimed at providing faster, friendlier service. A renovation of the pharmacy, scheduled to be completed by Jan. 1, will create larger and more attractive intake and pick-up windows with dividers to protect customer privacy.

After the renovations are completed, Falk Pharmacy will begin offering customers a free medication-counseling program—called the Medication Therapy Management Program—through a joint initiative with Pitt's School of Pharmacy.





happenings

Sept. 25-Oct. 1, 2006

Sept. 25

Annual Pitt Around the Planet Photo Exhibition and Contest, photographs by recent Pitt study-abroad participants, 10 a.m.-6 p.m. Sept. 25-30, William Pitt Union's Kimbo Gallery, part of Pitt's International Week, 412-383-7165, freya@ucis.pitt.edu.

International Week Multimedia Lecture, "Israeli Music: Society Through Sound," 8 p.m., G-8 Cathedral of Learning, nmrl6@pitt.edu.

International Week Film Screening, *Water*, directed by Deepa Mehta, 9 p.m., William Pitt Union's Assembly Room, 412-624-4780.

Sept. 26

Lecture, "The Intersection of Race and Educational Opportunity and Achievement," Mark Roosevelt, superintendent of Pittsburgh Public Schools, noon, School of Social Work Conference Center, 2071 Cathedral of Learning, www.crsp.pitt.edu.

International Week Study-Abroad Discussion, "Experiencing the Arab World: Resources at Pitt to Make It Happen," noon, William Pitt Union's Assembly Room, 412-648-2113, eel58@ucis.pitt.edu.

Ph.D. Dissertation Defense by Javier Coronado-Aliegro, Pitt Department of Instruction and Learning, "Effect of Self-Assessment of Students Studying Spanish as a Foreign Language," 2 p.m., 5511 Posvar Hall.

Traditional Mongolian Ger Exhibition, 2-7 p.m., also 8 a.m.-7 p.m. Sept. 27-28 and 8 a.m.-4 p.m. Sept. 29, William Pitt Union lawn, part of Pitt's International Week, 412-303-5894, mts11@pitt.edu.

John C. Cutler Global Health Lecture, "Pandemic Origins: Prediction and Prevention of Global Threats," Donald S. Burke, dean of Pitt's Graduate School of Public Health and professor of international health and epidemiology, 3 p.m., G23 Parran Hall, 412-624-3001, www.publichealth.pitt.edu.

International Week Soccer Tournament, 3:30-7:30 p.m., Cathedral of Learning lawn, 412-648-7960, ymca@pitt.edu.

International Week Lecture, "Affordable Wheelchair Technology for Developing Countries," Jonathan Pearlman and Emily Zipfel, doctoral candidates and researchers in Pitt's Human Engineering Research Laboratories, 4 p.m., William Pitt Union's Assembly Room, 412-624-7870, rrrangao@pitt.edu.

International Week Event, "Global Trafficking of Women: Filipinas Exploited," examining historic and political issues of the global trafficking of women, 5 p.m., 4130 William Pitt Union, 412-848-8774, angelesm@pitt.edu.

Oakland International Restaurant Tour, 6-9 p.m., various Oakland restaurants, admission \$10; sponsors are Oakland Planning and Development Corporation

and Pitt's Office of International Services, Division of Student Affairs, and University Center for International Studies; part of Pitt's International Week, 412-624-7621, jsf10@pitt.edu.

Theatrical Performance, *Monty Python's Spamalot*, 7:30 p.m., Benedum Center, 719 Liberty Ave., downtown, continues through Oct. 1, PNC Broadway Across America, 412-456-6666, www.pgharts.org.

International Week Performance by the Pitt African Drumming Ensemble and the African Student Organization dance team, 8-11 p.m., William Pitt Union's Assembly Room, bein1god@yahoo.com.

International Week Lecture, "New Alliances in the Caribbean and Andes: Castro, Chavez, and Morales," Anibal Perez-Linan, Pitt professor of political science, 9 p.m., Sutherland Hall's International Studies Living Learning Community Lounge, 412-648-2113.

Sept. 27

International Week Panel Discussion, "Contemporary Russian Youth Culture," 10 a.m.-1:30 p.m., William Pitt Union's Assembly Room, 412-648-2290, gbpeirce@ucis.pitt.edu.

International Week Discussion, "Let Us Talk About French-Speaking Africa," featuring students studying French at Perry High School, Pitt Assistant Professor of French Roberta Hatcher, and Jenny Walker, a graduate student in Pitt's Department of French and Italian Languages and Literatures, 10 a.m.-noon, 4217 William Pitt Union, 412-648-2058, macrina@ucis.pitt.edu.

International Week Film Screening, *That Paradise Will Be Mine—What Does It Mean to Be Dutch Muslim*, directed by Merel Beernik, noon, 4130 Posvar Hall, introduced by Pitt comparative politics graduate student Melissa Parker, 412-383-7694.

Maud Menten Lecture, "How Tumors Make Bad Blood Vessels," Harold F. Dvorak, Mallinkrodt Professor of Pathology Emeritus, Harvard Medical School, noon, 1105 Scaife Hall, Pitt Department of Pathology, 412-648-1040.

International Week Lecture, "Ramadhan: A Spiritual Journey," Nusrath Ainapore, outreach director of the Islamic Center of Pittsburgh, 4 p.m., William Pitt Union's Kurtzman Room, www.ucis.pitt.edu/internationalweek.

International Week Film Screening, *Turn Left at the End of the World*, directed by Avi Nesher, 8:30 p.m., G-24 Cathedral of Learning, 856-889-3828, nmrl6@pitt.edu.

Sept. 28

International Studies Fair, highlighting the diverse cultures represented on Pitt's campuses and study-abroad options at Pitt, 10 a.m.-4 p.m., William Pitt Union lawn, www.ucis.pitt.edu/internationalweek.

International Week Global Dialogue, "U.S. Sustainability in Central Asia and the Middle East," Major Gen. Gerald P. Minetti, U.S. Central Command, noon, 412-648-2113, eel58@ucis.pitt.edu.

International Week Indian Tea Sampling/Talk, noon-2 p.m., University Book Center, 412-648-1453, rkierzkowski@bc.pitt.edu.

International Week Event, "Pack Your Bags: Public Health Experiences Abroad," noon-1:30 p.m., 109 Parran Hall, 412-383-8849, dmayer@pitt.edu.

Ph.D. Dissertation Defense by Lou Ann Sears, Pitt Department of Instruction and Learning, "The International Reading Association Within the Context of United States Educational History, 1900-2006," 2 p.m., 5614 Posvar Hall.

Lecture, "Chemical Approaches to the Development of Probes for Biological Research," Kazunori Koide, assistant professor in Pitt's Department of Chemistry, 2:30 p.m., Room 12B, Chevron Science Center, Pitt Department of Chemistry, www.chem.pitt.edu/seminar/seminars.asp.

International Week Lecture, "The Crisis in Darfur: An African Perspective," Buba Misawa, a native of Nigeria, 4 p.m., William Pitt Union's Kurtzman Room, 412-818-7719, outreach@icp-pgh.org.

International Week Book Discussion, "Transparency in Global Change: The Vanguard of the Open Society," Burkart and Leslie Holzner, 6 p.m., William Pitt Union's Kurtzman Room, www.ucis.pitt.edu/internationalweek.

International Week Mongolian Cooking Class, 6-8 p.m., Cathedral of Learning's 12th-floor kitchen, 412-303-5894, mts11@pitt.edu.

International Week Peace Corps Information Session, 6 p.m., Room 527, William Pitt Union, followed by a 7:30 p.m. social event in Peter's Pub, 116 Oakland Ave, www.ucis.pitt.edu/internationalweek, 412-648-7424.

International Week African Spoken Word and Poetry Readings, 7-11 p.m., William Pitt Union lower lounge, bein1god@yahoo.com.

International Week Samba Dance Lessons taught by members of the Brazil Nuts Portuguese Club, 8-9 p.m., Posvar Hall's 1st-floor Galleria, www.ucis.pitt.edu/internationalweek.

International Week Hip Hop and Flow Music Performances, 9-11 p.m., William Pitt Union's Assembly Room, 412-648-7834, dmcl1@pitt.edu.

International Week Salsa Dance Lessons with instructor Marlon Silva, 9:15-10:15 p.m., Posvar Hall's 1st-floor Galleria, Pitt Center for Latin American Studies, 412-648-7394, www.ucis.pitt.edu/clas.

Sept. 29

Pitt-Johnstown Fall Fest and Family Weekend, including Sept. 29 UPJ Job Fair (9 a.m.-noon) and performance by comedian Lamar Williams (7 p.m.), both events in the UPJ Student Union Cambria Room; Sept. 30 Fall Fest parade, beginning at the UPJ Living/Learning Center (4 p.m.), Fall Fest Queen Coronation ceremony on the campus mall (7:45 p.m.), and performances on the campus mall by Jamin' Band (8 p.m.) and The Clarks (9 p.m.), www.upj.pitt.edu.

International Week Lecture, "Navigating a Flat World: Bridging and Expanding Resources Across the Pennsylvania Landscape," William Brusteim, director of Pitt's University Center for International Studies, 10 a.m., William Pitt Union's Kurtzman Room, www.ucis.pitt.edu/internationalweek, 412-624-4780, eel58@ucis.pitt.edu.

Lecture, "Linking Research in Analytical Environmental

Chemistry to Public Service-Learning in the Urban Environment: Curriculum Development and Student Accomplishments in Western New York," Joseph A. Gardella Jr., professor of chemistry, SUNY Buffalo, 11 a.m., Room 12B, Chevron Science Center, www.chem.pitt.edu/seminar/seminars.asp.

International Week Asia Over Lunch Lecture, "Karaoke Learning in Japan," Hideo Wantanabe, assistant professor in the Department of Languages and Cultures at William Patterson University, noon, 4130 Posvar Hall, www.ucis.pitt.edu/internationalweek.

International Week Dialogue, "The Global University: How Do We Get There?" with keynote address by M. Peter McPherson, president, National Association of State Universities and Land-Grant Colleges, noon-1 p.m., William Pitt Union Assembly Room, 412-624-4780, eel58@ucis.pitt.edu.

International Week African Study Student Showcase, featuring Pitt students who traveled to Africa during summer 2006, 2-3:30 p.m., William Pitt Union Assembly Room, www.ucis.pitt.edu/internationalweek.

International Week Event, "Student Experiences in Tanzania," 4-5:30 p.m., William Pitt Union Assembly Room, 412-648-2058, macrina@ucis.pitt.edu.

International Week Film, *Palestine Now*, 6:30-10 p.m., 121 Lawrence Hall, 724-516-0624, ars47@pitt.edu.

International Week Falun Gong Film, *Sandstorm*, 7-10:30 p.m., 120 Lawrence Hall, 412-657-7966, sh11@dental.pitt.edu.

International Week African Dinner, Performance, and Speaker, featuring Liberian novelist Angela M. Peabody, 7-11 p.m., William Pitt Union Ballroom, 412-648-2058, macrina@ucis.pitt.edu.

International Week Asian Karaoke Night, 7-10:30 p.m., William Pitt Union Kurtzman Room, 412-648-7426, edoreen@ucis.pitt.edu.

International Week International Night Flag Party, featuring reggae, reggaeton, salsa, soca, calypso, meringue, Caribbean hip-hop, and Latino music; 9:30 p.m.-2 a.m., William Pitt Union Assembly Room, afe@pitt.edu.

Sept. 30

27th Annual Pitt Latin American and Caribbean Festival, 1 p.m.-midnight, William Pitt Union, 412-648-7394, lavst12@ucis.pitt.edu.

Oct. 1

Lecture, "American Bog Bodies: The Archaeology of Ancient Wetland Cemeteries in Florida," Lee Newsom, Pennsylvania State University professor, 1 p.m., Carnegie Lecture Hall, Carnegie Museum of Natural History, 4400 Forbes Ave., call 412-622-3288 to register, www.carnegiemuseums.org/cmnh/info/calender.htm.

PUBLICATION NOTICE The next edition of the *Pitt Chronicle* will be published Oct. 2. The deadline for submitting information is 5 p.m. Sept. 28. Items for publication in the *Pitt Chronicle*, including information for *Happenings*, should be submitted to chron@pitt.edu. *Happenings* items should include the following information: title of the event, name and title of speaker(s), date, time, location, sponsor(s), and a phone number and Web site for additional information. Items also may be faxed to 412-624-4895 or sent by campus mail to 422 Craig Hall. For more information, call 412-624-1033.