

## Science2007 Highlights Collaboration, Innovation Among Top Researchers

By Megan Grote

The University's seventh-annual exposition of new developments and technologies in science and medicine will showcase collaboration among researchers from different disciplines.

"Collaborate, Innovate, Transform" is the theme of Science2007, to be held Thursday and Friday in Alumni Hall.

The program includes keynote lectures by three of the nation's leading scientists plus an internationally known architect acclaimed for his work in environmental design.

Science2007 also features 12 spotlight sessions featuring the work of researchers from Pitt and Carnegie Mellon University; a new technology showcase; poster sessions exploring research done by students, post-doctoral fellows, and faculty; a symposium for early-career science professionals; case studies involving local scientists working in industry; and other events.

More details, including schedules and registration information, can be found at [www.science2007.pitt.edu](http://www.science2007.pitt.edu).

In addition, some of the latest laboratory equipment and supplies used in current research will be featured at the Life Sciences Supplier Show from 10 a.m. to 3 p.m. Wednesday. The trade show is being organized by the University's Supplier Management Department. More than 40 vendors are expected to participate in the event on the concourse level of the Petersen Events Center. In addition to product exhibits, several special presentations are planned.

Science2007's theme of collaboration, innovation, and transformation "reflects a distinct characteristic of contemporary science in which Pitt particularly excels—collaboration among researchers from a diversity of highly specialized fields—and their ability to capitalize on rapidly emerging findings to translate scientific discoveries into innovations in patient care, new product development, and new scientific tools and technologies," said Arthur S. Levine, senior vice chancellor for the health sciences and dean of the School of Medicine at Pitt.

James V. Maher, Pitt provost and senior vice chancellor, said Science2007 showcases the Pittsburgh region's academic strengths in science, engineering, medicine, and computation. "Not only do we celebrate the University of Pittsburgh's role as a scientific leader and the achievements of so many investigators in academic and industrial settings throughout the community, but this event also highlights the collective impact of their work on economic development and the tremendous promise that scientific collaboration and innovation hold for the continued transformation of the entire region," he said.

Maher and other University leaders said unique scientific research being done in Pittsburgh has the potential to drive the development of innovative treatments for disease, alternative energy sources, and instrumentation that allows exploration of cellular and molecular structures at microscopic levels.

All Science2007 events are free and open to the public, but the work being celebrated is of particular interest to faculty, students, and researchers from local

**COLLABORATE**

**INNOVATE**

**TRANSFORM**

**SCIENCE2007**  
THURSDAY, 11 OCTOBER  
+ FRIDAY, 12 OCTOBER

colleges and universities; physicians and other health professionals; representatives of the region's pharmaceutical companies and biotech firms; and leaders of economic-development agencies and philanthropic foundations. In addition, many secondary school science teachers, information-technology experts, and representatives of law firms and venture-capital companies are expected to attend.

Those invited to give the plenary lectures are among the most highly respected scientists in their fields. They are engaged in groundbreaking research on a variety of topics—from new developments in genetics and immunology to architecture and global warming.

Descriptions of the presentations and presenters follow.

**Dickson Prize in Medicine Lecture:** "Telomerase and the Consequences of Telomere Dysfunction," by Carol W. Greider, Daniel Nathans Professor of Molecular Biology and Genetics, director of the Department of Molecular Biology and Genetics, and professor of oncology in the Johns Hopkins University School of Medicine (11 a.m. Thursday).

Greider, winner of the 2006 Albert Lasker Award for Basic Medical Research, has been a member of the Johns Hopkins

faculty since 1997 and director of the Department of Molecular Biology and Genetics since 2003. She is a member of the National Academy of Sciences and the Academy of Arts and Sciences and received the National Academy's Richard Lounsberry Award in April 2003.

A graduate of the University of California at Santa Barbara, Greider holds a doctorate in molecular biology from the University of California at Berkeley and began her postgraduate training in 1988 at the Cold Spring Harbor Laboratory on Long Island.

Her research focuses on telomerase, an enzyme that maintains chromosome ends and controls their length and integrity. Telomerase is essential for cells that divide indefinitely. Understanding this enzyme holds tremendous implications for the growth of stem cells and cancer cells.

The Dickson Prize is the most prestigious honor awarded by the University of Pittsburgh School of Medicine. Established in 1969 by the estates of Joseph Z. Dickson and his wife, Agnes Fischer Dickson, it includes a bronze medal and \$50,000 cash award.

**Mellon Lecture:** "Lineage Commit-

Continued on Page 6



From left: Larry E. Davis, dean of Pitt's School of Social Work; Hidenori Yamatani, associate dean for research in the School of Social Work; and Pittsburgh Mayor Luke Ravenstahl.

## Ravenstahl: More Progress Needed on City Diversity

By Jason Togyer

The region's long-term population decline could be stemmed or reversed by encouraging in-migration and making the area more hospitable to underrepresented populations, Pittsburgh Mayor Luke Ravenstahl said Wednesday.

"Pittsburgh is once again America's most livable city, but to continue to make progress, we must become a more partnership-oriented and diverse city," he said. "Strong, vital cities have diverse populations as a rich resource."

Ravenstahl spoke to more than 100 people, including members of the general public and the University community, at a lecture sponsored by the Center on Race and Social Problems (CRSP) in the Charity Randall Theatre of the Stephen Foster Memorial.

The mayor's remarks were part of the center's Speaker Series, now entering its fourth year, said Larry Davis, CRSP director and dean of the School of Social Work.

Davis invited Ravenstahl to speak after learning about the mayor's initiative to increase diversity in city hiring. It was the second visit to the Oakland campus in less than two weeks by Ravenstahl, who is seeking election in November to complete the term of late Pittsburgh Mayor Bob O'Connor. On Sept. 18, Ravenstahl spoke with students at William Pitt Union at a forum for young voters.

His CRSP speech came one day after a three-and-a-half hour summit on racial equality at the Regional Enterprise Tower, Downtown, where Ravenstahl and Allegheny Chief Executive Dan Onorato were told by community leaders and educators—including John M. Wallace Jr., Pitt professor of social work, and Ralph Bangs, associate director of CRSP—that Pittsburgh is heavily segregated along racial lines. A CRSP study completed in June under Davis' leadership revealed that African Americans lag behind Whites and Hispanics in employment, annual income, and rates of home ownership.

"We need to talk about this openly and honestly," Ravenstahl said, "and we have to show that we're willing to do so at the top." Since taking office in September 2006, he said, his administration has tried to make the city's leadership "more reflective" of its population; in the past year, 53 percent of the vacancies on city authorities, commissions, and boards were filled by women, while 32 percent were filled by African Americans.

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# Briefly Noted

## "Big Ben" Named Honorary Member of Swiss Room Committee

On May 8, 2006—fresh from a Super Bowl victory and with his family in tow—Steelers' powerhouse "Big Ben" Roethlisberger went abroad to explore the Roethlisberger family's Swiss heritage. Research revealed that the Roethlisberger family had emigrated from the cheese-producing Emmentaler village of Geissbühl in Switzerland's Canton Bern four generations ago. Roethlisberger went to Switzerland as spokesperson for Swiss Roots, a campaign with the slogan "How Swiss Are You?" intended to help Americans of Swiss origin reconnect with the Old Country.

Now Roethlisberger has agreed to serve as an honorary member of the University of Pittsburgh's Swiss Nationality Room Committee, Heinz W. Kunz, chair of the Swiss Nationality Room Committee and honorary consul of Switzerland in Pittsburgh, has announced.

"His endorsements of our efforts will go a long way toward making the Swiss Nationality Room a reality," said Kunz, who believes that Roethlisberger's star power will be great enough to bolster support from the community.

"Most of the countries in Europe are currently represented by rooms, but Switzerland is a glaring omission, given the impact made by individuals of Swiss origin in Pittsburgh and across the United States," Kunz added.

The committee hopes to make "Big Ben" as closely identified in the popular mind with Switzerland as with the number 7.

Along with Roethlisberger, the committee has named Ambassador Raymond Loretan, former consul general of Switzerland in New York City, as an honorary member. Other members of the new committee include Frederick H. Carlson, vice-chair; Walter Schaller, treasurer; and seven auxiliary members.

The Nationality Classrooms are gifts to the University of Pittsburgh's ethnic groups to preserve their heritages. Each of the existing 26 rooms, built between 1938 and 2000, are designed in an architectural style indicative of the country for which it is named. The committee has accepted the drawings of Swiss architect Justin Rüssli, who is credited with the design of the Swiss Ambassador's new residence in Washington, D.C. His plans for the classroom include a traditional Swiss ceramic oven with other 16th-century Zurich features.

For more information, contact Heinz W. Kunz at 412-967-9123 or hwk1@verizon.net.

— **Patricia Lomando White**

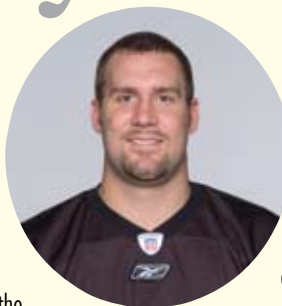
## New Pitt Chronicle Editor Named

Jason Togyer has been named editor of the *Pitt Chronicle*, effective Oct. 1.

Before joining Pitt's official weekly newspaper, Togyer served as the University's Web editor. He joined University Marketing Communications (UMC) in 2004 to oversee and develop content for the University's institutional Web sites, including its home page. He also was associate editor of *Pitt Magazine*, where he won a national award for feature writing, and senior editor of *Pitt Med Magazine*.

Prior to coming to the University in September 2001, Togyer was a reporter for the *Tribune-Review* in Pittsburgh and Greensburg, the *McKeesport Daily News*, and the Washington, Pa., *Observer-Reporter*.

He graduated with University Honors from Carnegie Mellon University, where he received a Bachelor of Arts degree in professional writing. He also is a member of the Phi Beta Kappa National Honorary Fraternity. At Carnegie Mellon, he assisted with the publication of *Carnegie Mellon: A Centennial History* (Carnegie Mellon University Press, 2000), and did much of the research and writing for Chapter 8, "The Mellons: Five Generations of Family Giving."



Ben Roethlisberger served as the *Pitt Chronicle* editor since October 2004 and has assumed the new position of senior Web content editor for UMC.

— **Linda K. Schmitmeyer**

## Drue Heinz Prize Winner, Judge To Read at Writers Series

The 2007 winner of the Drue Heinz Literature Prize and one of the judges in that contest will give an evening reading together as part of Pitt's Contemporary Writers Series.

The reading by prizewinner Kirk Nessel and judge Hilary Masters will begin at 7:30 p.m. Oct. 17 in the Frick Fine Arts Auditorium.

Nessel has written two books of short stories, the Drue Heinz-winning *Paradise Road* (University of Pittsburgh Press, 2007) and *Mr. Agreeable* (Mammoth Press, 2006). He also has published a nonfiction study, *The Stories of Raymond Carver* (Ohio University Press, 1995), and more than 200 stories, poems, and essays in such journals as the *Pushcart Prize Anthology*, *The Paris Review*, and *Ploughshares*.

Nessel earned a BA degree in English at the University of California at Santa Cruz. He later received MA and PhD degrees in English from the University of California at Santa Barbara. He is an associate professor of English and creative writing at Allegheny College in Meadville, Pa., and serves regularly as a Writer-in-Residence at the Chautauqua Writer's Conference in New York.

Masters' first published work appeared in *The Quarterly Review of Literature* in 1963, and he has authored numerous works published in both the United States and Ireland. He is a professor of English and creative writing at Carnegie Mellon University, where he has been a faculty member for more than 20 years. The Drue Heinz Literature Prize is awarded annually to a writer of short fiction. It includes a cash award of \$15,000 and publication of the writers' work by the University of Pittsburgh Press.

The Pittsburgh Contemporary Writers Series is cosponsored by Pitt's Book Center, the Women's Studies Program, and the University of Pittsburgh Press. All events in the series are free and open to the public.

— **Anthony Moore**

## UN Official Slates Law School Lecture on International Justice

Larry D. Johnson, assistant secretary-general for legal affairs in the United Nations Office of Legal Affairs, will deliver a lecture at noon Oct. 18 in the Alcoa Room at the Barco Law Building.

The free public lecture, presented by the School of Law's Center for International Legal Education (CILE), is titled "Advancing International Justice: The Varieties of UN-sponsored Criminal Tribunals." Continuing Legal Education (CLE) credit is available through CILE.

In his position since May 2006, Johnson is responsible for assisting the legal counsel in the overall direction and management of the Office of Legal Affairs and in coordinating legal advice and services to the United Nations as a whole.

Prior to joining the office, Johnson was a professor of global affairs in New York University's Center for Global Affairs and a visiting professor of international law in the Fletcher School of Law and Diplomacy at Tufts University.

— **Patricia Lomando White**

A contributor to *Popular Communications* magazine, he recently completed a book on the history of the Pennsylvania-based G.C. Murphy Co. variety store chain. The book is scheduled for publication by Penn State University Press in fall 2008.

Togyer is a member of the Society of Professional Journalists.

Togyer succeeds Bruce Steele, who

## CRSP Lecture Will Examine Racial Profiling of Consumers

By Sharon S. Blake

Black consumers face discrimination and hostility while simply shopping for basic necessities, according to a noted criminologist and author.

Shaun Gabbidon, professor of criminal justice at Penn State University, calls it "shopping under suspicion."

Gabbidon will deliver his findings in a lecture from 12 noon to 1:30 p.m. tomorrow in Pitt's Center on Race and Social Problems (CRSP), 2017 Cathedral of Learning. CRSP is part of the School of Social Work.

The talk, titled "Shopping Under Suspicion: Consumer Racial Profiling and Perceived Victimization," is free and open to the public and registration is not required. Lunch will be provided at the event, which is part of the Buchanan Ingersoll & Rooney 2007 Speaker Series.

"For good reason, over the past decade, social science researchers, police agencies, politicians, funding agencies, and citizens have centered their attention on racial profiling that occurs in automobiles and during traffic stops," Gabbidon said. "Unfortunately, this focus has left many unaware of another setting in which racial profiling is also likely to occur—retail establishments."

His presentation will argue for a paradigm shift in racial profiling research and offer suggestions for how people who have experienced such profiling should respond.

Prior to his appointment at Penn State, Gabbidon served as an adjunct assistant professor of criminal justice at the University of Baltimore and assistant professor of criminal justice at Coppin State University.

His latest book, to be published by Sage Publications in spring 2008, is titled *Race, Ethnicity, Crime, and Justice: An International Dilemma*.

His other recent books include *Criminological Perspectives on Race and Crime* (Routledge, 2007) and *W.E.B. Du Bois on*

*Crime and Justice: Laying the Foundations of Sociological Criminology* (Ashgate, 2007).

Gabbidon earned his master's degree in criminal justice at the University of Baltimore and his doctorate in criminology at Indiana University of Pennsylvania. He has served as a fellow at Harvard University's W. E. B. DuBois Institute for African and African American Research.

In 2005, the American Society of Criminology's Division on People of Color and Crime presented him with its highest award, the Coramae R. Mann Award, for contributions to the study of race, crime, and justice.

For more information about the lecture, call CRSP at 412-624-7382.

## COMMUNITY HONORS



JOE MARLEWSKI/CORBIS

Pitt Vice Chancellor for Public Affairs Robert Hill accepts a Lottie P. Edwards Community Service Award from Mount Ararat Community Activity Center Inc. at the group's ninth-annual Recognition Celebration. The event was held Sept. 20 at the Pittsburgh Center for the Arts, located in the city's Shadyside neighborhood.

Others honored with Edwards Awards included Urban League of Pittsburgh President and CEO Esther L. Bush, KDKA-TV reporter Harold Hayes (CAS '75), and Highmark Foundation President Yvonne Cook (CGS '91). Master of Ceremonies was George L. Miles Jr., president and CEO of WQED Multimedia and a member of the University's board of trustees.

Founded in 1990, the Mount Ararat center is a nonprofit corporation that partners with community and church groups to offer educational and mentoring programs for children and young adults, along with a food bank, a recreational and social network for senior citizens, and a computer and robotics training program.

## Chronicling

An ongoing series highlighting University of Pittsburgh history



UNIVERSITY ARCHIVES

Oct. 13, 1871—The *Pittsburgh Daily Commercial* publishes a feature on improvements at the Allegheny Observatory and on research work by Pitt Professor Samuel P. Langley, director of the observatory from 1867 to 1890.

As historian Robert C. Alberts wrote in *Pitt: The Story of the University of Pittsburgh, 1787-1987*, "Langley had begun a program of measuring distances to and between the nearby stars that was bringing international recognition and honors to himself, the observatory, and the University."

Named assistant secretary to the Smithsonian in 1887, Langley for three years would divide his time between Pitt and Washington, where he was to become famous in 1896 for carrying out successful flights with unmanned steam-powered planes and thus pave the way for the Wright brothers.



## PittChronicle

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# THE RECRUITING OFFICER

by George Farquhar

directed by Holly Thuma

Immoral Leadership...  
Sexually Ambiguous Soldiers ...  
Women in Uniform ...

Welcome to the British Army circa 1706.



Featuring

Dana Alexandratos, Patrick Berger, Jesse Blakes, Tom Chan, Laurel Dwyer,  
Thomas Gantner, John Ficker, Anita Gaudin, Andrew Gentry, Neil Hess, JJ Johnson,  
Lily Jordan, Andrew Mahaly, Kate Mathers, Joseph Meehan, Jim Moore, Ruffin Phillips,  
Alex Schwall, Zach Singer, Alex Stewart, and Nina Williams

October 10–21, 2007

## Classic Play Strikes Modern Chords

By Sharon Blake

It's a tale that could have been captured by the hidden cameras of a TV newsmagazine: Slick-talking recruiting officers desperate to meet their quotas are swindling poor country kids into joining the military. But this story is more than 300 years old.

The University of Pittsburgh Repertory Theatre's revival of *The Recruiting Officer* by George Farquhar opens Wednesday and runs through Oct. 21 at the Henry Heymann Theatre in the Stephen Foster Memorial.

*The Recruiting Officer* is set in England during the era of King William III, who reigned from 1689 to 1702. With the nation embroiled

in war with France and faced with rebellions in Ireland and Scotland, military service was compulsory, and officers scoured the countryside in search of new recruits.

"*The Recruiting Officer* pokes light-hearted fun at the class system and at the military's voracious cunning in recruitment of the poor," said director Holly Thuma, a Pitt teaching artist. She said the revival stays faithful to Farquhar's comedic values while exploring the play's contemporary implications.

The play tells the story of Captain Plume and his clever sidekick, Sergeant Kite, who breeze into a provincial town

to swindle menfolk into military service and womenfolk into service of a different sort. Considered a comic masterpiece, the play provides all of the familiar Restoration gags—cross-dressing disguises, foppish aristocrats, country bumpkins, and mixed-up

messages—but its relevance spans centuries of recruiting officers employing silver-tongued salesmanship and empty promises to lure the lower classes into joining up.

Though Farquhar wanted to expose the abuses of these officers, writers of the 1700s had to temper their satire. Instead of acting as a "whistleblower," Farquhar cited abuses matter-of-factly; contemporary audiences were

expected to read between the lines.

The production's ensemble features local actress Elena Alexandratos, a teaching artist in Pitt's Department of Theatre Arts, as well as student actors.

Performances are Tuesdays through Saturdays at 8 p.m. and Sundays at 2 p.m. The Oct. 14 matinee includes a question-and-answer session with the actors after the show. Ticket prices are \$22 for general admission; \$19 for Pitt faculty, staff, alumni, and senior citizens; and \$12 for Pitt students.

For additional information, contact Sloan MacRae at 412-624-0933 or sloanm@pitt.edu.

**The University of Pittsburgh Repertory Theatre's revival of *The Recruiting Officer* by George Farquhar opens Wednesday and runs through Oct. 21 at the Henry Heymann Theatre in the Stephen Foster Memorial.**

## GSPH Professor Named President-Elect Of American College of Epidemiology

By Megan Grote

Roberta B. Ness, professor and chair of the Department of Epidemiology in the Graduate School of Public Health, was named president-elect of the American College of Epidemiology (ACE) at the organization's 2007 annual meeting last month in Fort Lauderdale, Fla.

"It is an honor and privilege to be chosen president-elect of the college," Ness said. "This is an organization with a great history that has represented the finest of epidemiology for the last quarter century."

Ness—who also serves as a professor of epidemiology, medicine, and obstetrics and gynecology in the School of Medicine—has been a member of the ACE board of directors since 2004 and currently serves as chair of its policy committee.

The ACE gathering was the organization's 25th annual meeting. In addition to the organization's workshops, presentations, and regular business, special events honored past presidents and achievements in epidemiology since the organization was founded in 1979.

As president-elect, Ness said she will continue to focus on issues affecting epidemiology research across the United States, including federal Health Insurance Portability and Accountability Act (HIPAA) privacy rule regulations; conflicts of interest between researchers and industry sponsorships; and the National Institutes of Health review process for clinical research.

Epidemiology—the study of the spread of diseases among groups and populations—has matured into a field of its own over the past 30 years, ACE officials said, and the last two decades have been marked by significant increases in the number of individuals who choose epidemiology as a career or who enter epidemiology from disciplines such as medicine, statistics, sociology, genetics, and biology.

The American College of Epidemiology was created to develop criteria for professional recognition of epidemiologists

and to address their professional concerns. ACE sponsors scientific meetings, publications, and educational activities and serves as an advocate for issues important to epidemiology.

Ness received her medical degree from Cornell University and her public health master's degree from Columbia University. Her 1999 book *Health and Disease Among Women* (Oxford University Press) is considered to be among the first to propose a research paradigm of "gender-based biology."

Author of more than 200 peer-reviewed publications and more than 20 federally funded grants, Ness has explored the epidemiology of hormonal cancers; adverse pregnancy and prenatal outcomes; links between reproductive history and cardiovascular disease; and sexually transmitted bacterial infections.

Recently, she became the founding chair of the Joint Policy Committee, Societies of Epidemiology—the first organization created especially to coordinate policies among 14 epidemiology societies.

An associate editor of the *American Journal of Epidemiology*, Ness also is on the editorial boards of *Annals of Epidemiology* and the World Health Organization's *Sexually Transmitted Disease Bulletin*. She is a fellow of both the ACE and the American College of Physicians and a member of the prestigious American Society for Clinical Investigation, Delta Omega Honorary Society in Public Health, and the American Epidemiologic Society (AES). Ness will host the annual meeting of the AES in 2008.

Her other honors include a leadership award from the Family Health Council and a Laureate Award from the American College of Physicians. A frequent advisor to the National Institutes of Health, the Centers for Disease Control and Prevention, and the U.S. Department of Defense, she has participated in four Institute of Medicine/National Academies reports in the past two years.



Roberta B. Ness

## CHANCELLOR'S DISTINGUISHED PUBLIC SERVICE AWARD 2008

Nominations are being solicited for this University-wide award that recognizes outstanding public service contributions by members of the University of Pittsburgh faculty. Any full-time faculty member who has served for at least three years at the University of Pittsburgh is eligible to be nominated for this award. Up to five awardees may be chosen. Public service is broadly defined as the use of University and academic resources to address social problems and to improve the general welfare of humankind. It is considered a serious academic activity that provides public or community benefit, is related to a faculty member's academic expertise, is different from and goes beyond traditional duties of a faculty member, and is conducted outside the University. Each award consists of a cash prize of \$2,000 to the faculty member and a grant of \$3,000 to support the faculty member's public service activities.

The deadline for receipt of nomination letters is Monday, October 22, 2007; letters should be sent to Dr. Andrew R. Blair, Office of the Provost, 826 Cathedral of Learning.

Additional details on this and other Chancellor's Distinguished Awards may be accessed at [www.provost.pitt.edu/information-on/guidelines.html](http://www.provost.pitt.edu/information-on/guidelines.html) (go to "Award Nomination Guidelines").



University of Pittsburgh

# Science & Technology

## Massive Mapping Project Reveals Age, Relative Location of Distant Galaxies

Pitt researcher part of core group behind survey of 10 billion years of galactic development

By Morgan Kelly

Color images documenting the past 10 billion years of galactic evolution were distributed online last week.

It's the first public release of data from a massive project to map a distant region of the universe. Nearly 100 researchers are involved from institutions around the world, including the University of Pittsburgh.

The survey focused on the Extended Groth Strip, an area the width of four full moons near the "handle" of the Big Dipper constellation.

Researchers in the All-wavelength Extended Groth Strip International Survey (AEGIS) examined that region using all available wavelengths of the electromagnetic spectrum—from X-rays to ultraviolet, visible, infrared, and radio waves.

Four color images from four different satellite telescopes, as well as numerous tables describing the properties of and distances to tens of thousands of galaxies, are now available on both the AEGIS Web site and Google Sky, a downloadable program from the developers of the Google search engine that allows home computer users to explore these distant galaxies up close and in sharp detail.

Pitt physics and astronomy professor Jeffrey Newman is a key member of the AEGIS project's Deep Extragalactic Evolutionary Probe team, known as "DEEP2." That team measured the amount of light we see on Earth of each given color for 50,000 galaxies, including 14,000 galaxies in the Extended Groth Strip.

These spectra tie together all of the AEGIS datasets by allowing the team to determine each galaxy's distance from Earth. Once the distance is known, astronomers know how far back in time light left a galaxy and, thus, its age. The most distant galaxies in the survey are up to 9 billion light-years away.

Newman worked directly with Google's Pittsburgh office to convert data from AEGIS into color images for Google Sky and then share the information with the general public. Google Sky users can view and explore the Groth Strip in ultraviolet, visible, infrared, or X-ray light, or combine the perspectives. "Each wavelength provides unique information about the characteristics of distant galaxies," Newman said.

Newman also worked on the team that created the most detailed of the four-color images being released, a visible-light mosaic of 63 separate snapshots from the Hubble Space Telescope.

It is the largest unbroken color mosaic ever made with Hubble images and provides images of approximately 50,000 faraway galaxies, including relatively young galaxies just taking on their mature forms, Newman said.

AEGIS' second image shows the same galaxies through the ultraviolet eyes of NASA's Galaxy Evolution Explorer (GALEX). Young stars produce ultraviolet light in abundance; GALEX



brightness provides a measure of the rate at which each galaxy is forming stars. Galaxies that contain few "young" stars or are obscured by dust or intergalactic gas will appear redder in the GALEX image.

The brightness of galaxies in the third image, taken with an infrared camera on NASA's Spitzer Space Telescope, is closely related to the total amount of stars they have formed. The colors of a galaxy as seen through infrared eyes reveal information on both its contents (stars and dust) and its distance from Earth.

The fourth image, produced with data from NASA's Chandra X-Ray Observatory, reveals the highly energetic X-ray radiation produced when gas spirals into a massive black hole like those believed to lie at the center of almost every galaxy. Many of the X-ray-emitting objects lie buried within otherwise normal-looking galaxies. In the X-ray images, the bluest objects are the ones most obscured by gas within their host galaxies.

More information about the survey, results to date, and additional images and data can be downloaded from the AEGIS Web site at [aegis.ucolick.org](http://aegis.ucolick.org). The AEGIS

data release also was featured last week on the Google Earth Gallery at [earth.google.com/gallery](http://earth.google.com/gallery). To use the Sky feature, users must have the most recent version (4.2) of Google Earth installed.

Future AEGIS data releases will feature images taken with other wavelengths such as radio waves, Newman said, and a master catalog is being prepared that combines information from all of AEGIS's many views of the sky. As future images are prepared, they and the growing data catalogs will be linked through Google Sky.

The AEGIS teams that contributed images and data for this release include the DEEP2 team led by Marc Davis of the University of California at Berkeley and Sandra Faber at the University of California at Santa Cruz; the Hubble team, also led by Davis; the Chandra team led by Kirpal Nandra of Imperial College, London; the Spitzer team led by Giovanni Fazio of the Harvard-Smithsonian Center for Astrophysics; and the GALEX team led by Chris Martin of the California Institute of Technology.

The National Science Foundation and NASA provided funding for the AEGIS collaboration.

## Genomics Course Gives Freshmen Hands-on Research Experience

Pilot program created at Pitt goes nationwide next year

A national network of scientists and educators is developing new methods and materials for teaching science—and a pilot course has already been rolled out at the University of Pittsburgh.

The Howard Hughes Medical Institute (HHMI) on Oct. 2 announced the creation of the Science Education Alliance (SEA). It will be based at HHMI's Janelia Farm Research Campus in Virginia.

One of the new programs that will be distributed nationally next year through SEA was created at Pitt by Graham F. Hatfull, the Eberly Family Professor and chair of biological sciences in Pitt's School of Arts and Sciences.

First-year Pitt students in the two-semester pilot course work at isolating and characterizing previously unknown bacteriophages—viruses that infect bacteria.

Bacteriophages were chosen for student research because they are plentiful, highly diverse, and easily isolated directly from nature, HHMI officials said. They also have relatively simple and small genomes.

Students first isolate their own bacteriophages, then clone and sequence the DNA.

"This is one example of the kind of innovative curricula and teaching methods that the SEA will disseminate," said Tuajuanda C. Jordan, HHMI senior program officer and director of the SEA. Jordan was formerly associate vice president of academic affairs at Xavier University of Louisiana.

The SEA initiative is a new direction for HHMI, which for two decades has funded science education programs run by faculty and teachers at institutions across the United States.

The genomics course builds on the work of two HHMI professors—Hatfull and Sarah C.R. Elgin at Washington University in St. Louis—as well as the efforts of Brad Goodner, HHMI undergraduate program director at Hiram College in Ohio, and A. Malcolm Campbell, director of the HHMI-supported Genome Consortium for Active Teaching at Davidson College in North Carolina.

All four are serving as scientific advisors to the SEA.

The research-based laboratory course provides beginning college students with a true research experience and, it is hoped, will solidify their interest in a science career, Jordan said. "We are trying to catch students early—before they have a chance to become bored or overwhelmed," she said.

After sequencing is complete, students will finish, annotate, and compare the genomes of their bacteriophages against genomes sequenced by other students in the SEA national network. Faculty will be expected to publish or present research findings from the project and deposit final phage sequence information into public databases.

"The outcome of their studies could shed light on various scientifically relevant issues, including virus-host interactions and microbial gene transfer," said Peter J. Bruns, HHMI vice president for grants and science education.

Based on the pilot-course experience, Jordan and her collaborators will develop a resource guide for the course and design a faculty training workshop to be held during summer 2008.

# UPJ's Spectar Calls for Global, Local Balance

New president's installation caps campus' 80th anniversary celebration



From left: Jem Spectar, newly installed president of UPJ; Pitt Provost and Senior Vice Chancellor James V. Maher; and Chancellor Mark A. Nordenberg.

By Jason Togyer

The University of Pittsburgh at Johnstown combines the academic and research strengths of its parent institution with the resiliency of its host community, the campus' newly installed president said Sept. 28.

"We believe the University and the city are yoked together, their joint and several fortunes rising with the tides, their harvest a shared bounty of hopes and dreams fulfilled," said Jem Spectar during his inaugural address at Pasquerilla Performing Arts Center.

Spectar, whose previous academic posts have included provost of Western Oregon University and associate provost of academic affairs at the University of Scranton, became Pitt-Johnstown's fifth president on July 1. His formal installation before faculty, students, alumni, and invited guests was the highlight of a weeklong celebration of the campus' 80th anniversary.

Pitt Chancellor Mark A. Nordenberg joined Provost and Senior Vice Chancellor James V. Maher, E. Jeanne Gleason of the University's board of trustees, and other academic leaders at the inauguration. Nordenberg called Spectar a "man of the world" with a "locally focused" leadership style.

"Our new president is a person who is committed to ensuring that this campus realizes its even greater potential," Nordenberg said.

A native of Cameroon, West Africa, Spectar holds a BA degree in international studies from the University of La Verne in California, an MBA degree from Frostburg State University in Maryland, an MA degree from George Washington University, a JD degree from the University

**Befitting Spectar's global vision, congratulatory messages were received from college and university presidents and world leaders, including former U.S. President Bill Clinton, Liberian President Ellen Johnson Sirleaf, and Nobel Peace Prize winner Desmond Tutu.**



Many floats and students participated in the Homecoming parade Sept. 29.

of Maryland Law School, and an MA degree in politics and a PhD in political science from Claremont Graduate University in California.

Spectar is a widely published scholar in the fields of international law, jurisprudence, legal research, and the politics of HIV/AIDS education and treatment in Africa. While teaching at the University of La Verne's College of Law, he was named Professor of the Year in 1995 and received the Professor of Distinction award in 1998.

In his inaugural address, Spectar laid out his vision for what he called a "New Dimension of Excellence" that will keep Pitt-Johnstown competitive in the global economy and ensure that graduating students are equipped to meet worldwide challenges such as pandemics, terrorism, and climate change.

"Our young men and women today

will be living in an exponentially altered world tomorrow," Spectar said. UPJ graduates must be "globally literate and intercultural competent," he said, adding that the campus' "scholars, learners, and leaders" are "duty-bound" to create what he called a "more distinctive interdisciplinary community of inquiry" in Johnstown.

"We will purposefully and actively connect traditional arts and sciences education to the unfolding exigencies of a changing world, beginning with our city, our community, and beyond," Spectar said.

This global focus, he said, must be balanced with improvements to UPJ's infrastructure and a renewed effort to connect the campus to the Johnstown region. Pitt-Johnstown is a "robust catalyst" for economic development that can help strengthen central Pennsylvania by filling the need for qualified professionals in health care, education, science, technology, and business, Spectar said.

"We will foster a service-oriented ethos where concern for the fundamental long-term interests of students—and best practices—are paramount," he said, adding that among his goals are increased support for job placement, "more effective" freshman advising, improved residential and



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Above: The UPJ Choir performs under the direction of Jeff Webb, UPJ professor of music and director of choral activities. At left, Nobel Peace Prize-winner Desmond Tutu congratulates Spectar via videotape.

extracurricular activities, and upgrading UPJ's facilities after benchmarking them against peer institutions.

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Tutu, the Anglican archbishop emeritus of Cape Town, South Africa, who was a leader of that nation's struggle against apartheid, delivered his congratulations to Spectar in a videotaped speech shown to the audience. "One of the most valuable exports from Africa are her people," he said. "You will find them in universities across the globe where they are making a distinguished contribution to academia."

After congratulating UPJ on its 80th anniversary, Tutu predicted that students under Spectar's guidance "will make a substantial and positive difference to the world."

When it was founded in 1927, Pitt's "Johnstown Junior College" occupied a few rooms in the west wing of Johnstown Senior High School. In 1946, the University of Pittsburgh at Johnstown moved to its first permanent home at the former Cypress Avenue Elementary School (students nicknamed it "the asphalt campus" because of the lack of traditional "ivy-covered" college buildings). It remained there until relocating to its present 635-acre campus in suburban Richland Township in 1967.

Today, Pitt-Johnstown is the largest employer in Cambria County. A fully accredited institution granting a wide range of four-year degrees, UPJ has 2,700 full-time students, 450 part-time students, 70 student organizations, 143 faculty members, and 17,000 alumni.

The anniversary celebration coincided with UPJ's Homecoming, which included the traditional parade and crowning of the Homecoming queen. Special events to mark the 80th anniversary included the unveiling of the "Memory Lane" historical exhibit in the Student Union, a community picnic in Johnstown's Central Park, and luncheons for business leaders, retired faculty and staff, and alumni.

On Sept. 30, five alumni were inaugurated into UPJ's new Athletics Hall of Fame at the Living/Learning Center. The 2007 hall-of-famers are Lisa Britt '80, women's basketball; Sean Isgan '82, wrestling; Carl Sax '58, men's basketball; Edward Sherlock '61, men's basketball and athletic director; and James Wilkes '54, men's basketball.

## INDABA

Newly inducted Black Action Society (BAS) President Sheila Isong (left) and guest speaker Ilyasah Shabazz, daughter of Civil Rights leader Malcolm X, pose for a picture after the annual BAS Indaba ceremony Sept. 16. During the ceremony, Shabazz delivered the keynote address and the 2007-08 BAS Steering Committee members were sworn in. After the ceremony, Shabazz signed copies of her book, *Growing Up X* (Ballantine Publishers, 2002). BAS hosted a joint cookout the following day with the Pitt student organization FOCUS, Facilitating Opportunities and Climate for Underrepresented Students, to introduce to incoming freshmen programs that were geared toward African American students.



BLACK ACTION SOCIETY

## INTERCULTURAL HOUSE OPEN HOUSE



MARY JANE BERRY/CDDC

InterCultural House (ICH) of Pittsburgh, located on North Dithridge Street near the Oakland campus, hosted an open house on Sept. 15. Founded in 1969, ICH provides a place for Black and White college students to live together cooperatively in roughly equal numbers in an effort for them to learn and appreciate each other's attitudes and values. ICH Vice President Michele Tyler said many board members are present or past students, faculty, or staff of the University of Pittsburgh. Guests at the open house included several members of the first ICH in 1970.

In the back row, from left, are Bernard Mack, earliest resident of the house; current resident Eliada Nwosu; William Tita Tita, first resident director; former resident Richard Utley; Linda Lane, deputy superintendent of Pittsburgh Public Schools; current resident director Selasi Blavo; ICH board member Michael Gunzenhauser, a visiting professor in Pitt's School of Education; ICH founder John Tyler; ICH board members Gretchen Generett, Robert Morris University education professor; and Robert Hill, Pitt vice chancellor for public affairs. Current residents include, center row, from left, Peace Ike, Eunice Park, Nancy Taylor, and Julie Nagashima; and front row, Jamar Thrasher, current ICH program director Carla Cummings, Catherine Balsamo, Frank Lee, Kavin Paulraj, Christopher Fleissner, Laurel Friend, and Paige Carlson.

## Ravenstahl: More Progress Needed on City Diversity

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In addition, both the fire chief and police chief are Black for the first time in Pittsburgh's history, Ravenstahl said.

Each of the appointments was made on merit, not to fill quotas, he said.

But several speakers at Wednesday's event questioned whether the city has actively encouraged qualified applicants to seek employment in agencies like the Pittsburgh police bureau, where most of the trainees remain White males, or in the public works department.

Ravenstahl said 24 percent of contracts administered by the city Urban Redevelopment Authority have been awarded to women- or minority-owned businesses, but admitted that the rank-and-file doesn't always reflect that diversity.

The city held 12 neighborhood meetings about job training and opportunities, he said, and sponsored a career fair at the David L. Lawrence Convention Center that attracted 4,500 people.

Others, like George Moses, a Point Breeze resident and chair of the National Low Income Housing Coalition, said gentrification efforts are chasing away

poorer residents who can't afford to live in the neighborhoods being rehabilitated. Ravenstahl agreed that redevelopment must include building affordable replacement housing before old housing is torn down.

The redevelopment of the Lower Hill, including the demolition of Mellon Arena, will give Pittsburgh an opportunity to right a decades-old wrong, he said.

"Forty years ago, we tore down a neighborhood to build an arena," Ravenstahl said. "Now we have a chance to tear down an arena and build a neighborhood."

The series is sponsored by the local law firms of Buchanan Ingersoll and Rooney PC and Reed Smith LLC.

Andrew J. Cherlin, a professor of public policy at Johns Hopkins University, is the next scheduled speaker. His Nov. 15 lecture will discuss postwelfare outcomes for African Americans and Hispanics.

Community activist and former Pittsburgh City Councilman Sala Udin is scheduled to speak Dec. 3.

Both events are free and will be held in the Social Work Conference Center, 2017 Cathedral of Learning.

## Science2007 Highlights Collaboration, Innovation

Continued from Page 1

ment in the Immune System," by Laurie H. Glimcher, Irene Heinz Given Professor of Immunology at the Harvard School of Public Health and professor of medicine in Harvard Medical School (4 p.m. Friday).

A 1972 graduate of Harvard University, Glimcher earned her MD at Harvard Medical School in 1976 and has become one of the nation's leading experts in immunology.

Her work explores the molecular pathways that regulate the development of T helper cells in the immune system and govern the behavior of the human body's natural defenses. Examining this behavior is crucial to understanding autoimmune diseases.

**Klaus Hofmann Lecture:** "Modeling Human Disease in the Mouse: From Cancer to Neuropsychiatric Disorders," by Mario R. Capecchi, distinguished professor of human genetics and biology and Howard Hughes Medical Institute investigator at the University of Utah (11 a.m. Friday).

A native of Verona, Italy, Capecchi received his BS degree from Antioch College in 1961 and his PhD degree in biophysics from Harvard University in 1967. His thesis was completed under the guidance of James D. Watson, one of the co-discoverers of the structure of DNA. Capecchi joined the faculty of the University of Utah in 1973 and has been affiliated with HHMI since 1988. He is a member of the National Academy of Sciences and the European Academy of Sciences.

Capecchi is best known for pioneering the technology that allows scientists to create mice with mutations in any desired gene by choosing which gene to mutate and how to mutate it. As a result, his work has helped produce mouse-based models for numerous important human diseases.

**Provost Lecture:** "Nation Under Siege," by Edward Mazria, senior principal at the architecture and planning firm Mazria Inc. of Santa Fe, N.M. (4 p.m. Thursday).

Mazria is a 1963 graduate of Pratt Institute and spent two years as an architect in the Peace Corps in Peru. His buildings emphasize "healthy interaction" between buildings and their environment and have been featured in *Architecture*, *Progressive Architecture*, *Architectural Digest*, *The Wall Street Journal*, and *The New York Times*. His most recent undertaking, Architecture 2030, is described as "a global challenge to reduce fossil fuel consumption in architectural design and building construction."

Another initiative, The 2010 Imperative: A Global Emergency Teach-In, brought together 250 million people from 49 countries to discuss the science behind global climate change and its relationship to building

construction. Author of numerous technical papers and *The Passive Solar Energy Book* (Rodale Press), Mazria has taught architecture at the University of New Mexico, University of Oregon, University of Colorado at Denver, University of California at Los Angeles, and the University of Nebraska at Lincoln.

### Symposium Sessions:

In addition to the plenary lectures, 12 symposium sessions will feature the research of Pitt and Carnegie Mellon faculty. The Science2007 schedule also includes "Science at Work" sessions on leveraging university research into marketable products, the Pittsburgh Life Sciences Greenhouse, the "anatomy of a licensing transaction," and how it's "getting easier to be green." The complete schedule of these sessions can be found at the Science2007 Web site.

### Technology Showcase:

The Science2007 Technology Showcase, a special display of new technologies recently developed by Pitt researchers, will be held in conjunction with the opening night reception at 5 p.m. Thursday in the lower lounge of the William Pitt Union. The showcase, organized by Pitt's Office of Enterprise Development and Office of Technology Management, features technologies now available for licensing.

**Poster Sessions:** Students, postdoctoral fellows, and faculty members will present posters highlighting their recent research on cell biology, energy and efficiency, fuels of today and tomorrow, metabolism,

proteins and proteomics, the senses, bacteria and viruses, computation, genes and genomes, immunology, modeling disease, and regenerative medicine. Medical students will present posters on their summer research projects. The schedule of poster sessions, including the hours that posters will be available for viewing, can be found on the Science2007 Web site.

### Career Workshop:

At 8:30 a.m. Friday, Trevor M. Penning, professor of pharmacology at the University of Pennsylvania School of Medicine, will present a practical approach to finding job opportunities. He

will be joined by a variety of professionals from science-related fields who will lead roundtable discussions about career prospects. The workshop will be presented by the Office of Academic Career Development, Pitt's schools of the health sciences, and the University of Pittsburgh Postdoctoral Association.

Pitt Chronicle Editor Jason Togyer contributed to this story.



Carol W. Greider



Laurie H. Glimcher



Mario R. Capecchi



Edward Mazria

Students, postdoctoral fellows, and faculty members will present posters highlighting their recent research on cell biology; energy and efficiency; fuels of today and tomorrow; metabolism; proteins and proteomics; the senses; bacteria and viruses; computation; genes and genomes; immunology; modeling disease; and regenerative medicine.

# Happenings



KARL PEYTON JOHNSON/UNIVERSITY LIBRARY SYSTEM

This summer, Pitt alumnus Marc Selvaggio (BA '75, MA '79), a Berkeley, Calif., book dealer, presented to the University Library System's Special Collections department a rare copy of *Watermark* by Nobel-Prize winning Russian-American poet Joseph Brodsky. The book, valued at \$6,000, is one of only 50 copies handprinted in Venice in 2006. Selvaggio's donation honors Charles Aston Jr., head of Special Collections, a close friend of Selvaggio and his late wife, Donnise de Camp; as well as of the late Walter and Martha Leuba, who established the University's collection of late-19th- and early-20th-century books that bears their names. From left are Selvaggio; Michael Dabirshus, assistant University librarian for archives, special collections, and preservation; and Aston.

## Concerts

**Music Monday: Informal Recitals by Pitt Music Students**, 8 p.m. today, Bellefield Hall Auditorium, Department of Music, 412-624-4125, www.music.pitt.edu.

**The Sirius String Quartet**, 8 p.m. Oct. 11, Bellefield Hall Auditorium, Pitt's Music on the Edge Series, 412-624-4125, www.music.pitt.edu.

**Contralto Susan Shafer**, performing art songs by Strauss, Mahler, Poulenc, and Fine with pianist Russell Miller, 8 p.m. Oct. 12, Calvary Episcopal Church, 315 Shady Ave., Walnut Street, Shadyside, Music at Calvary, 412-661-0120, www.calvaryphg.org.

**Beethoven Symphony No. 5**, Pittsburgh Symphony Orchestra conducted by Rafael Frühbeck de Burgos, also performing music by Wagner, 8 p.m. Oct. 12, also 2:30 p.m. Oct. 13, Heinz Hall, 600 Penn Ave., downtown, Mellon Grand Classics Series, 412-392-4900, www.pittsburgh-symphony.org.

**East Meets West**, Japanese Taiko drumming performance, 8 p.m. Oct. 13, William Pitt Union's Assembly Room, 412-648-7370, Pitt Asian Studies Center, www.ucis.pitt.edu/asc/news/taiko.html.

**Take the Fifth**, The Southern Tier Symphony, 3 p.m. Oct. 14, Bromeley Family Theater, Pitt-Bradford, www.ubp.pitt.edu.

**Choral Evensong and Buxtehude Tercentenary Recital**, Calvary Choir sings music by John Blow, Bernard Rose, Thomas Tomkins, and Maurice Greene; Alan Lewis, organist performing music by Dietrich Buxtehude; 5 p.m. Oct. 14, Calvary Episcopal Church, 315 Shady Ave., Walnut Street, Shadyside, Music at Calvary, 412-661-0120, www.calvary-phg.org.

**Songs in the Autumn Dark** by Chuck Owston, balladeer accompanied by guitar and octave mandolin, 2-3 p.m. Oct. 14, Carnegie Library of Pittsburgh, 4400 Forbes Ave., Sunday Afternoon Music Series, 412-622-3151, www.carnegielibrary.org.

**Heinz Chapel Choir Fall Concert**, 3 p.m. Oct. 14, Heinz Chapel, 412-624-4125, www.music.pitt.edu.

**Tribute to the Cannonball Adderly Quintet**, jazz performance, 5 p.m. Oct. 14, Blakey Program Center, 1908 Wylie Ave., Hill District, 412-392-3148, www.hillhouse.org.

## Exhibitions

**Audubon Exhibitions/Hillman Library, Brown-headed Nuthatch**, through Oct. 22; Audubon exhibition case, Hillman Library's ground floor, 412-648-8190.

**Hillman Library, Rare Book Exhibition**, through Oct. 31, 412-648-8191.

**Magee-Womens Hospital, Oncology on Canvas: Expressions of a Woman's**

**Cancer Journey**, featuring 50 works of art by cancer survivors and their loved ones, through Oct. 12, main lobby and throughout the hospital, 300 Halket St., Oakland.

**KOA Art Gallery, "Rocket Science: An Exhibition of Paintings by Heather Levy,"** Oct. 12 through Nov. 16, Blaisdell Hall, Pitt-Bradford, www.upb.pitt.edu.

**Frick Art and Historical Center, In the Studios of Paris: William Bouguereau and His American Students**, through Oct. 14, 7227 Reynolds St., Point Breeze, 412-697-0938, http://frickart.org.

**Carnegie Museum of Art, Forum 60: Rivane Neuenschwander**, through Oct. 28; **Design to Be Lit**, through Feb. 10; 4400 Forbes Ave., Oakland, 412-441-9786 ext. 224, www.cmoa.org.

## Lectures/Seminars/Readings

**Orhan Pamuk**, writer, 7:30 p.m. today, Carnegie Music Hall, 4400 Forbes Ave., Oakland, Drue Heinz Lecture Series, 412-624-4187, www.pittsburghlectures.org.

**"Feminizing the Soviet Social Body: From Chapaev to 'Girlfriends of the Revolution'"** Anne Eakin Moss, Mellon postdoctoral fellow in the humanities at Johns Hopkins University, 1 p.m. Oct. 8, 4130 Posvar Hall, Pitt Film Studies Program, www.pitt.edu/~filmst.

**"Careers at Research Universities,"** Alan Sved, professor and chair in Pitt's Department of Neuroscience, noon-1:30 p.m. Oct. 9, S100 Biomedical Science Tower 2, Brown Bag Lunch Series, 412-578-3716, www.survival.pitt.edu.

**"God's Transcendent Activity—Ontotheology in Metaphysics,"** Markus Gabriel, University of Heidelberg, noon Oct. 9, 817R Cathedral of Learning, Pitt Department of Classics, www.classics.pitt.edu.

**"Acadian-Alleghanian Orogenesis as Revealed by Fracturing Within the Appalachian Foreland,"** Terry Engelder, professor of geosciences, Penn State University, 4-5 p.m. Oct. 9, 11 Thaw Hall, Pitt Department of Geology and Planetary Sciences, www.geology.pitt.edu/colloquium.html.

**"On the Self That Can Be Self-Deceived,"** Graham Hubbs, graduate student in Pitt's Department of Philosophy, 5 p.m. Oct. 9, 1001B Cathedral of Learning, 412-624-5768.

**"Shopping Under Suspicion: Consumer Racial Profiling and Perceived Victimization,"** Shaun L. Gabbidon, professor of

criminal justice at Penn State University, noon-1:30 p.m. Oct. 9, 2017 Cathedral of Learning, Pitt's Center on Race and Social Problems, 412-624-7382, www.crsp.pitt.edu.

**"Research in Egypt,"** Tony Gaskew, assistant professor of criminal justice at Pitt-Bradford, 7 p.m. Oct. 9, Mukaiyama University Room, Frame-Westerberg Commons, Pitt-Bradford, www.upb.pitt.edu.

**"Pulmonary Host Defense and Pneumonia,"** Claire M. Doerschuk, professor of pediatrics, pathology, and biomedical engineering at Case Western Reserve University, 10 a.m. Oct. 9, 1105AB Conference Center, Scaife Hall, Pitt Department of Pathology Seminar Series, 412-648-1260, http://path.upmc.edu.

**"Histologic Subtypes of Hepatoblastoma Are Characterized by Differential Canonical Wnt and Notch Pathway,"** Dolores Lopez-Terrada, director of molecular pathology/molecular oncology and hematopathology at Baylor College of Medicine, noon Oct. 10, Pitt Department of Pathology Seminar Series, 1105 BC Conference Center, Scaife Hall, 412-648-1260, http://path.upmc.edu.

**Robert Young Pelton**, writer, 7 p.m. Oct. 10, Pasquerilla Performing Arts Center, Frank J. and Sylvia T. Pasquerilla Lecture Series, Pitt-Johnstown, www.ujp.pitt.edu/ArtsCenter.

**Sam Hamill**, Charity Randall Awardee and author, 8 p.m. Oct. 10, Carnegie Lecture Hall, 4400 Forbes Ave., International Poetry Forum, 412-621-9893, www.thepoetryforum.org.

**"Exploring the Ancient Greek City: Excavations at Azoria on Crete,"** Margaret Mook, director of classic studies and associate professor of foreign languages and literatures, Iowa State University, 4:30 p.m. Oct. 10, 239 Cathedral of Learning, Pitt Department of Classics, www.classics.pitt.edu.

**"Madameoiselle and Publishers' Designs,"** Janet Eldred, associate professor of English, University of Kentucky, noon Oct. 10, 2201 Posvar Hall, Pitt Department of English and Women Studies Program, www.pitt.edu/~wstudies.

**"The Science of Silence: How Same-Sex Transmission of HIV Became Invisible in Africa,"** Mar Epprecht, associate professor of history and development at

Queens University, Ontario, 4 p.m. Oct. 10, 3703 Posvar Hall, Pitt Department of History and Women's Studies Program, www.pitt.edu/~wstudies.

**"Great Decisions 2007: Mexico,"** 5:30 p.m. Oct. 10, Rivers Club, One Oxford Centre, 301 Grant St., Downtown, World Affairs Council of Pittsburgh, www.worldaffairspittsburgh.org.

**"Neural Basis of Reach Preparation and Communication Prostheses,"** Krishna V. Shenoy, assistant professor of electrical engineering and neurosciences program at Stanford University, 4-5 p.m. Oct. 11, Pitt's McGowan Institute for Regenerative Medicine Seminar Series, Scaife Hall, Auditorium 5, www.mirm.pitt.edu.

**Overview of Transnational Advocacy Networks, Issuecrawler, and Govcom.org**, Richard Rogers, head of new media at the University of Amsterdam, 10-11:30 a.m. Oct. 11, 501 Information Sciences Building, www.sis.pitt.edu.

**"Unseasonal Winds of Love: Prostitution in Early Modern Nagasaki,"** Martha Chaiklin, assistant professor of history, noon Oct. 11, 4130 Posvar Hall, Pitt's Asia Over Lunch Lecture Series, 412-648-7371, www.ucis.pitt.edu/asc/news/overlunch.html.

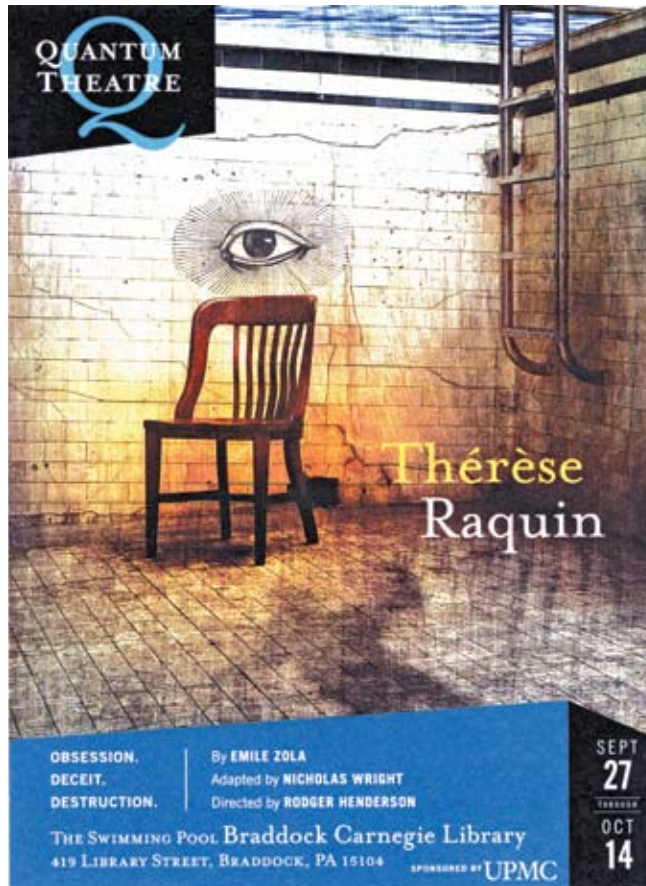
**"&HPS1 Conference in Integrated History and Philosophy of Science,"** Oct. 11-14, Center for Philosophy of Science, various times and locations, www.pitt.edu/~pittctr; to register, pittctr@pitt.edu.

**"Against the Classical Norm: How Exhibition Helped Shape American Film Style or Why Did Communists Go to the Music Hall?"** William Paul, professor of film and media studies at Washington University in St. Louis, noon Oct. 12, 501 Cathedral of Learning, Pitt Film Studies Program, www.pitt.edu/~filmst.

**"Special Luncheon: Fuelling the U.S. Navy's and America's Global Role,"** Admiral Kirk Donald, director of Naval Propulsion, noon-1:45 p.m. Oct. 12, Duquesne Club, 325 Sixth Ave., Downtown, World Affairs Council of Pittsburgh, www.worldaffairspittsburgh.org.

**"Tacitus and the Mentality of the Roman Soldier of His Time,"** Jaime Gómez de Caso Zuriaga, professor in ancient history, University of Alcalá, Meco, Madrid, 4 p.m. Oct. 12, 244A Cathedral of Learning, Pitt Department of Classics, www.classics.pitt.edu.

**"An Evening of Adoption Memoir, Poetry, and Film,"** readings by and discussion with M.C. Emily Hipchen, Nancy McCabe, Jennifer Kwon Dobbs, Jeanne Marie Laskas, Jean Strauss, Sheila Ganz, Jan Beatty, and Mary Ann Cohen; 8 p.m. Oct. 12, Frick Fine Arts Auditorium; Encountering New Worlds of Adoption: 2nd International Conference on



Adoption and Culture, Pitt Department of English, www.english.pitt.edu.

## Miscellaneous

**Down Under in the District: The 2007 Pittsburgh Cultural Trust Gala**, 6 p.m. Oct. 10, Byham Theater, 101 Sixth St., Downtown, 412-456-1350, www.pgharts.org.

**Circus Oz**, Oct. 10-14, Byham Theater, 101 Sixth St., Downtown, Pittsburgh Dance Council, 412-456-1350, www.circusoz.com.

**e-Commerce Summit**, the University of Pittsburgh at Bradford's Entrepreneurship Program, 9:30 a.m.-3:30 p.m. Oct. 12, Frame-Westerberg Commons, Pitt-Bradford, www.upb.pitt.edu.

**Outside Looking In: Transracial Adoption in America**, film by Phil Bertelsen, 8 p.m. Oct. 13, 125 Frick Fine Arts Building, Encountering New Worlds of Adoption: 2nd International Conference on Adoption and Culture, Pitt Department of English, www.english.pitt.edu.

**Strides Against Violence (SAVE) Walk**, 11 a.m. Oct. 14, Flagstaff Hill, Schenley Park, Victim's Services Network, www.crisiscenternorth.org.

**Americans for the Arts Creative Conversation**, annual forum of emerging arts leaders, 5:30-7 p.m. Oct. 15, Cabaret at Theater Square, 655 Penn Ave., downtown, 412-471-6079.

**Farmers' Market**, 3:30-6:30 p.m. every Friday through Nov. 16, Sennott Street between Atwood Street and Meyran Avenue, Oakland Business Improvement District, 412-683-6243, www.onlyinoakland.org.

## Pitt PhD Dissertation Defenses

**Diane F. Hunker**, School of Nursing, "Effects of Adverse Birth Events on Maternal Mood, Maternal Functional Status and Infant Care," 10 a.m. Oct. 15, 446 Victoria Building.

**Tara Tagmyer**, School of Medicine's Molecular Virology and Microbiology Graduate Program, "Envelope Determinants of EIAV Vaccine Protection and the Effects of Sequence Variation on Immune Recognition," 10 a.m. Oct. 15, 1295 Biomedical Science Tower.

**Arnon Tonmakayakul**, School of Information Sciences, "An Agent-based Model for Secondary Use of Radio Spectrum," 11 a.m.-1 p.m. Oct. 15, 522 Information Sciences Building.

## Theater/Opera/Dance

**In Service, Authentic Narrative From Iraq to Pittsburgh**, film and live performance, through Oct. 14, Harris Theater, 809 Liberty Ave., downtown, 412-471-9548, www.aiaph.org.

**Therese Raquin** by Emile Zola, through Oct. 14, Braddock Carnegie Library swimming pool, 419 Library St., Braddock, Quantum Theatre, 412-697-2929, www.quantumtheatre.com.

**Mother Teresa Is Dead** by Helen Edmundson, 8 p.m. through Oct. 28, City Theatre Company, 1300 Bingham St., South Side, 412-431-2489, www.citytheatrecompany.org.

**Always...Patsy Cline**, by Ted Swindley, through Oct. 31, Theater Square 655 Penn Ave., Downtown, Pittsburgh Civic Light Opera, 412-456-6666.

**The Comedy of Errors** by William Shakespeare, through Nov. 4, O'Reilly Theater, 621 Penn Ave., Downtown, Pittsburgh Public Theater, 412-316-1600, www.ppt.org.

**The Recruiting Officer** by George Farquhar, Oct. 10-21, Stephen Foster Memorial's Henry Heymann Theatre, Pitt Repertory Theatre, 412-624-PLAY, www.play.pitt.edu.

**Nora Chipaumire Residency Dance Performance**, 8 p.m. Oct. 12, New Hazlett Theater, 6 Allegheny Square, North Side, Dance Alloy Theater, 412-258-2700, www.dancealloy.org.

**Madama Butterfly** by Giacomo Puccini, 8 p.m. Oct. 13-21, Benedum Center, Pittsburgh Opera, 801 Liberty Ave., Downtown, 412-281-0912, www.pittsburghopera.org.



**Brown-headed Nuthatch, Hillman Library Through Oct. 22**



# SLIM's Success: Pitt Students Helping to Improve Health Care in Malawi

By Amanda Leff

Many people hear about health crises in Africa and wonder how they can help. A Pitt undergraduate organization called Student Leaders in International Medicine (SLIM) is taking action by working with community-based organizations (CBOs) in Malawi, a country in southeastern Africa where the average life expectancy is 41 years and where 14 percent of the population is infected with HIV/AIDS.

SLIM members spent four weeks in Malawi this past summer, investigating how the group could help the CBOs in their efforts to combat HIV/AIDS by empowering Malawians to avoid high-risk activities, assisting those who are infected to obtain treatment, and caring for orphaned children.

"Malawi is a pretty overwhelming place when you first arrive, because there is nothing there," said Nathan Riley, a founding member of SLIM and a senior School of Arts and Sciences Spanish major who was among the group that traveled to Malawi's capital city, Lilongwe, to meet with locally led CBOs. "The cities are few and far between," and villagers must travel great distances to reach HIV/AIDS clinics, Riley noted, adding that a single clinic may serve as many as 100,000 people and therefore struggles to treat everyone who walks through the door.

The students' networking efforts prior to their trip led them to Paradiso Home-Based Care, a Malawian CBO that provides HIV education, home-based AIDS care, and care for orphans and vulnerable children. Paradiso put SLIM in touch with four other CBOs, whose directors met with SLIM members.

"One of the major problems surrounding HIV/AIDS in Malawi is stigma," Riley said. "You can't have anyone find out that you are HIV-positive. If you do, you are completely rejected by society and even by family, in extreme cases."

Even the most successful CBOs oper-

ate on little or no regular funding, SLIM members found. When they do receive funding, CBOs often must use it to meet short-term needs such as providing food for orphans rather than investing the money in income-generating activities or long-term agricultural development projects to sustain their programs, according to Riley.

CBOs, created and led by local people to care for the citizens of their towns and villages, are the gateways to rural communities, which are where HIV is most prevalent, said Riley. Not only do CBO volunteers speak the native language, but they are experienced with HIV/AIDS issues in Malawi and understand cultural differences between Westerners and Malawians, he added.

Because of the competition for limited resources, CBOs hesitate to share ideas, failures, and successes with one another, even though they all share the same goals, said Riley. An example of this attitude is evident in Paradiso's recipe for "Power Drink," a home remedy made with garlic, ginger, lemon juice, and honey. The CBO claimed the concoction helped to boost the immune system

of people with HIV/AIDS, enabling them to seek treatment, Riley said. Unfortunately, Paradiso has kept the recipe secret in order to better compete against other CBOs for limited funds, according to Riley.

SLIM's solution to this lack of cooperation was to form a network named Mpaluti comprising the five CBOs with which they were working. The network's success would rely upon individual CBOs' willingness to share information—maximizing their resources and promoting teamwork.

One of SLIM's first victories was convincing Paradiso to share its Power Drink recipe with the other four CBOs, said Riley. SLIM's work with the Mpaluti network also led to ideas for better managing gardens and educating villagers about the importance of

**"Malawi is a pretty overwhelming place when you first arrive, because there is nothing there. The cities are few and far between, and villagers must travel great distances to reach HIV/AIDS clinics."**

**—Nathan Riley**



Above, from left: Pitt School of Arts and Sciences senior Nathan Riley and junior Julie Dodos; a local school master; and freelance HIV educator Charles Mponda, who was the translator for much of the Pitt trip to Malawi. Right, AIDS orphans cared for by Mchenga, a community-based organization in Maliri, a community just outside of Lilongwe, the capital city of Malawi.



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a nutritious diet, he added.

SLIM looks forward to more victories in the future, thanks to promising proposals being drafted by CBOs in their network, Riley said. All five CBOs in Mpaluti have submitted proposals to SLIM outlining income-generating projects for which they need seed funding. SLIM members will continue to pursue funding for these projects throughout the school year.

Riley said SLIM members will return to Malawi next summer to continue their work with the CBOs.

Founded in August 2006, SLIM raised all funding for its Project Malawi from private donors and through fundraising activities that included a 5K run/walk and photo exhibition.

For more information on SLIM and Project Malawi, contact Program Director Nathan Riley at [slim.pitt@gmail.com](mailto:slim.pitt@gmail.com).

**PUBLICATION NOTICE** The next edition of *Pitt Chronicle* will be published Oct. 15. The deadline for submitting information is 5 p.m. Oct. 10. Items for publication in the newspaper's *Happenings* events calendar (see page 7) should be submitted to [chron@pitt.edu](mailto: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 may be faxed to 412-624-4895 or sent by campus mail to 422 Craig Hall. For more information, call 412-624-1033.