PittChronicle

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Newspaper of the University of Pittsburgh

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Pitt Researchers Prevent Type 1 Diabetes in Mice



By Jim Swyers

Pitt investigators have successfully prevented the onset of Type 1 diabetes in mice prone to developing the disease using an antibody against a receptor on the surface of immune T-cells.

According to the investigators, these findings, published in the January issue of the journal *Diabetes*, have significant implications for the prevention of Type 1 diabetes.

More than 700,000 Americans have Type 1 diabetes, an autoimmune disorder in which the body errantly attacks the insulin-producing cells of the pancreas, causing chronically elevated levels of sugar in the

blood, leading to blindness, kidney failure, heart disease, and nerve damage. Previously known as juvenile diabetes, Type 1 diabetes is usually diagnosed at a very early age, but in some cases it can be diagnosed in adulthood.

In this study, the Pitt researchers treated non-obese diabetic (NOD) mice with an antibody—a type of protein

produced by the immune system that recognizes and helps fight infections and other foreign substances in the body—directed against a receptor known as CD137 on the surface of a type of immune cells called T-cells. Treating NOD mice with the anti-CD137 antibodies significantly suppressed the development of diabetes, whereas most

According to William M. Ridgway, assistant professor in the Pitt medical school's Department of Rheumatology and Clinical Immunology, this therapy may prevent the onset of Type 1 diabetes in genetically at-risk people.

of the control mice developed diabetes by the time they were six months old.

Interestingly, the antibody therapy did not appear to cure the NOD mice, because the researchers were still able to see lymphocytes in their pancreatic islets, a telltale sign of pancreatic inflammation and autoimmunity.

In addition, when the researchers isolated cells from the spleens of the antibody-treated mice and injected these cells into immune-deficient NOD mice,

william M. Ridgway immune-deficient NOD mice, immune-deficient NOD mice, seven of the nine recipient mice developed. Type 1 diabetes, indicating that the donor mice still harbored pathogenic T-cells. On the other hand, when the researchers transferred a certain subset of T-cells from anti-CD137-treated mice that expressed two other receptors known as CD4 and CD25 to other immune-deficient NOD mice,

it prevented the onset of diabetes in the recipient mice.

According to senior author William M. Ridgway, assistant professor in the Pitt School of Medicine's Department of Rheumatology

and Clinical Immunology, this therapy, if given early enough, may prevent the onset of Type 1 diabetes in genetically at-risk people

people.

"Our studies and others suggest that CD137 plays a significant role in the development of and genetic predisposition to Type 1 diabetes," Ridgway said. "In this study, for the first time, we have demonstrated that CD137 antibody therapy can suppress the development of Type 1 diabetes in mice and that the effect is dependent on the induction of a certain subset of regulatory T-cells. If we can demonstrate this same genetic predisposition and therapeutic effect in human Type 1 diabetes patients, then this may prove to be a significant step toward preventing this disease before it can take hold."

This research was funded by the National Institutes of Health through the Autoimmunity Centers of Excellence.

Pitt Mathematician Nets Award for Cracking a 400-year-old Problem

Thomas C. Hales winner of the American Mathematics Society's inaugural David P. Robbins Award

By Morgan Kelly

In another nod to his success at unraveling a 400-year-old math mystery, Pitt Andrew W. Mellon Professor of Mathematics in the School of Arts and Sciences Thomas C. Hales took home an award for his unique math research from the American Mathematics Society (AMS) during the society's Joint Mathematics Meetings in New Orleans Jan. 6.

The society's David P. Robbins Award recognizes Hales' work on the Kepler conjecture, a posit that spheres can most efficiently be packed in a pyramid shape. Johannes Kepler, a German astronomer and mathematician, could not prove his idea when he published it in 1611. Several people attempted to prove Kepler correct over the centuries, but they never completed the task.

Hales shook the mathematics world when he offered the long-elusive proof in

Continued on Page 3

BrieflyNoted





Pitt's Primack Develops Video To Premiere on WQED-TV

AD IT UP-an award-winning video about ninth-grade students who learn to analyze smoking advertisements and then produce their own media responses to the tobacco industry—will premiere at 7 p.m. Feb. 4 on WQED-TV.

The video project, funded by the Falk Foundation, was developed and coordinated by Brian A. Primack, a Pitt assistant professor of medicine. It was produced through a collaboration between Pitt's School of Medicine, the Carnegie Mellon Entertainment Technology Center, Pittsburgh Public Schools, and Baldwin

AD IT UP stars Pittsburgh-area ninth graders who meet for the first time in a professional production studio. After learning to analyze smoking advertisements, the students are divided into teams, each of which creates its own media message responding to the tobacco industry. The video documents the students' successes and struggles throughout the production process.

AD IT UP won the prestigious 2006 Bronze Telly Award for local and regional video in the "Health and Wellness" category.

—Kelli McElhinny

Pitt Film Festival Celebrates Chinese Lunar New Year

In celebration of the Chinese Lunar New Year, Pitt will present a free public film festival Feb. 15-17 that highlights the environmental concerns of various Chinese ethnic cultures.

The festival will screen what lately has been called Chinese "ecocinema," feature-length films that expose ecological problems.

The first event will be a lecture by Guobin Yang, associate professor in the Department of Asian and Middle Eastern Cultures at Barnard College, at 4 p.m. Feb. 15 in 4130 Posvar Hall. Yang's lecture, titled "The Rise of Environmentalism in China," will examine whether China is doing enough environmentally to keep in step with its booming economy and rapid urban consumption.

Yang's lecture will be followed by a 5:45 p.m. reception and a screening of the documentary **Before the Flood** (directed by Yan Yu and Li Yifan, 2004), in Pitt's Alumni Hall Auditorium, where all of the series' films will be shown. The remaining festival schedule is as follows:

When Ruoma Was Seventeen (Zhang Jiarui, 2002), 8:15 p.m. Feb. 15;

Riding Alone for Thousands of Miles (Yimou Zhang, 2005), 7:15 p.m. Feb. 16: and

Suzhou River (Ye Lou, 2000), 7:15 p.m. Feb. 17.

The festival is sponsored by Pitt's Asian Studies Center in the University Center for International Studies, Department of East Asian Languages and Literatures, Department of Sociology, and Film Studies Program. For additional information, contact Katy Carlitz at 412-648-7370 or xinmin@pitt.edu.

—Amanda Leff

Chronicling



Of Lords and Panthers

"Radicals in Black and Brown: Of Young Lords, Black Panthers, and the Social and Economic Roots of Late-Sixties Radicalism" was the title of a Dec. 7 lecture here by Johanna Fernandez, visiting assistant professor of postwar U.S. history and codirector of the Oral History Project on Black Pittsburgh at Carnegie Mellon University. She is also codirector of a traveling exhibition of photos, posters, flyers, and other materials chronicling the common themes, imagery, and iconography of the Black Panther Party and the Young Lords Party.

Ferdandez's lecture was funded by Pitt's Office of the Dean of Arts and Sciences and presented by the Pittsburgh Social Movements Forum, made up of faculty and students from the sociology departments of Pitt and Duquesne University.

William Pitt Union Manager Chergi Wins Leadership Award

By Mary Zangrilli

University's William Pitt Union, won the

2006 Association of College Unions International (ACUI) Region 4 Service Award for outstanding service and lead-

The award was presented at the ACUI Region 4 Conference, held at Morgan State University in November. "Chris has provided ACUI

Region 4 with continuous outstanding leadership and enthusiasm for our work with col-

lege students," said Kyle Carter, campus coordinator at the University of Maryland's

Christine A. Chergi, manager of the student union and an ACUI representative. Chergi, who has worked at Pitt for 34

years, helped to lead the conversion of what was originally the Schenley Hotel to a fullservice student union. Union tenants include arts organizations; sports teams; ethnic and cultural alliances; fraternity and sorority offices; Pitt student radio, television, yearbook, and newspaper offices; and the

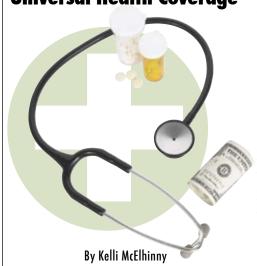
Division of Student Affairs. A Churchill, Pa., native, Chergi oversees a staff of six

full-time employees, two graduate assistants, and more than 25 student assistants.



Christine A. Chergi

Medical School Discussion Tonight to Shed Light on Universal Health Coverage



As escalating costs force more Americans to go without health insurance, the need to address this issue becomes increasingly

To shed light on the many aspects of universal health coverage, Pitt's School of Medicine will host a panel discussion featuring representatives from the local medical, academic, and business communities.

The free public discussion, "Approaches to Achieving Universal Health Coverage in America," is scheduled for 6:30 p.m. Jan. 16 in Scaife Hall's Auditorium 6. No preregistration is necessary.

Universal coverage often dominates discussions of potential healthcare reforms, with proponents arguing that such a system is necessary to ensure that all Americans get health care, and critics cautioning that universal coverage would result in inefficient governmental controls that would keep patients from getting even basic recommended treatments. Heated rhetoric often overshadows more objective information about universal health coverage that could help members of the healthcare community and the public reach their own

The Pitt medical school event presents an opportunity for the public to learn more about a topic that is expected to take center stage in coming months, when legislators at the state and national levels debate healthcare reform.

The program is as follows:

"Universal Health Care Without a Single Payer: Oxymoron or Best Hope?" David Blandino, Pitt clinical associate professor of family medicine and chair of UPMC Shadyside Hospital's Department of Family and Community Medicine;

"Single Payer: Guaranteeing the Fundamental Right to Health Care in America." Barry Tepperman, attending radiation oncologist, Allegheny General

Hospital;
"Universal Health Care: How Shall We Share the Costs?" Judith R. Lave, professor and chair, Health Policy and Management, Pitt's Graduate School of Public Health (GSPH); and

"Universal Health Care: Legislative Solutions." Scott Tyson, CEO, Pediatrics South, and a member of the Children's Hospital of Pittsburgh's Medical Executive

Additional commentators will include Terence Starz, president of the Allegheny County Medical Society and a Pitt clinical professor of medicine, who will present the perspective of organized medicine; Julie Donohue, assistant professor of health policy and management in GSPH, who will provide information on health policy aspects of universal coverage; and Pitt medical student Gabriel Silverman, who will comment from the student viewpoint. Rohan Ganguli, Pitt professor of psychiatry, pathology, and health and community systems in the Pitt medical school, will moderate the discus-

Healthcare professionals in attendance will be eligible to earn continuing education credits.

For additional information on this event, visit wwwpublichealth.pitt.edu/universalhealth.

Because of a Pitt men's basketball game at the Petersen Events Center this evening, participants are encouraged to arrive early to avoid traffic and parking congestion.

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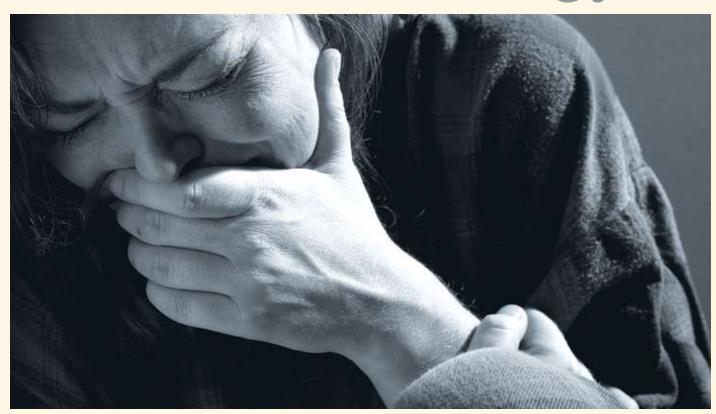
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HAPPENINGS EDITOR

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Science&Technology



Postpartum Depression a Major Public Health Problem That Requires More Resources, Pitt Researchers Write

JAMA editorial notes childbearing creates unique vulnerability for psychiatric illness, making screening, education, and treatment essential

By Jocelyn Uhl Duffy

Childbearing is a potent event in the lives of women, a particularly vulnerable time for developing or exacerbating psychiatric illness, Pitt School of Medicine researchers wrote in an editorial published in the *Journal* of the American Medical Association (JAMA) Dec. 6.

The editorial, in response to a large

Danish study of perinatal psychiatric episodes, calls for greater attention to the mental health of mothers and education, screening, and treatment

After giving birth, one in seven mothers will experience some form of depression that impairs their ability to function, studies have shown. Many of them will be undiagnosed and untreated. This creates a major public health problem, say experts from Pitt and the University of California, San

Postpartum depression not only affects the mother. It touches the father, other children in the family, and, most importantly, the newborn," said Katherine L. Wisner, professor of psychiatry and obstetrics, gynecology, and reproductive sciences in Pitt's medical school and an associate investigator at the Magee-Womens Research Institute. "Knowing what we do about the risks of postpartum depression, we must recognize our responsibility to address this illness through improved research and greater access to care and services.

The Danish study, which was published in the same issue of JAMA, was the first large-scale epidemiological examination of psychiatric illness during childbearing to be completed in more than 20 years. Researchers found that women were at much higher risk of hospitalization for psychiatric conditions during the three months after birth than were women who were 12 months postpartum. The risks were greatest for those giving birth to their first children.

According to Wisner, other research has shown that postpartum depression disrupts the relationship between mother and infant, which can do short- and long-term harm. Maternal depression can negatively impact a newborn's mental and motor development and is associated with poor self-regulation, low self-esteem, and behavior problems. Postpartum depression also has a dramatic impact on the mother's ability to function, enjoy relationships, cope with stress, and appreciate the joys of parenthood.
Wisner noted that the United States has

not, until recently, prioritized postpartum illness as a major public health concern. In fact, the Agency for Healthcare Research and Quality has reported that while much is known about the risks and vulnerabilities of the postpartum period, substantial highquality research is significantly lacking in

Based on the recent study and past findings, Wisner recommended in the JAMA editorial that the United States implement a universal screening program, in which all women would be screened between two and 12 weeks postpartum. Those showing symptoms of psychiatric disorders should be treated immediately after diagnosis, she

New Jersey was the first state to address the problem on the governmental level by legislating that all women receive screening and education for postpartum depression; the law went into effect in October 2006.

Pitt is conducting the first large-scale National Institute of Mental Health-funded trial of screening, treatment preference, and depression-care-management methods.

Researchers hope that information gained through this study will be used to develop universal best practices for screening and treatment.

For more information about the Pitt study or postpartum depression care at Women's Behavioral HealthCARE of Western Psychiatric Institute and Clinic, call 1-800-436-2461 or 412-586-9072, or visit www.womensbehavioralhealth.org.

Women outside of the Pittsburgh area

seeking more information or treatment should contact Postpartum Support International, www.postpartum.net/, 1-800-944-

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Pitt Mathematician Nets Award for Cracking a 400-year-old Problem

1998. In 2005, the academic journal Annals of Mathematics published a short version of Hales' work titled "A Proof of the Kepler Conjecture" (the full version ran in the July 2006 edition of the journal Discrete and 2006 edition of the journal *Discrete and Computational Geometry*). Reviewers spent five years vetting Hales' proof. The long process spurred Hales to undertake what he calls the Flyspeck Project to develop computer technology that would automatically check the correctness of long, complicated proofs. The

plicated proofs. The goal is to get away from the "pencil and paper" method of proof checking, Hales



Thomas C. Hales said. Flyspeck could take up to 20 years to

The AMS award honors Hales' 2005 article. He shares the award with Samuel P. Ferguson of the National Security Agency who coauthored part of the paper. Hales and Ferguson are the first recipients of the award, which was established in 2005 to recognize fresh research in algebra and discrete math. The \$5.000 prize is awarded every three years. In recognizing Hales and Ferguson, the AMS called their work "a landmark achievement."

Established more than 200 years ago, the AMS has approximately 30,000 members and promotes mathematics by highlighting its relevance to other fields.

Pitt, Carnegie Mellon Launch Joint Doctoral Program in Structural Biology and Biophysics



By Jim Swyers

Since its completion in 2003, the Human Genome Project has resulted in the discovery of myriad new proteins and pathways, creating a pressing need for researchers who are able to decipher the structure and function of these vitally important molecules. To meet the demand for this new scientific work force, Pitt and Carnegie Mellon University are launching a joint doctoral degree program in structural biology and biophysics.

Structural biologists use powerful, highly sophisticated technologies, such as x-ray crystallography, electron microscopy, and nuclear magnetic resonance (NMR) spectroscopy, to reveal the three-dimensional structure of proteins and other molecules. Biophysicists apply physics principles along with mathematical models and computer simulations to unravel biological systems at the molecular and cellular levels.

'There is a relatively small pool of people with this type of specialized training, and competition for qualified students who can be trained in these technologies is fierce," said Angela Gronenborn, professor and chair in the Pitt School of Medicine's Department of Structural Biology and codirector of the new program. "The ability to offer an advanced degree in these disciplines will allow us to compete with other top-tier institutions in recruiting the best and brightest students.'

Courses in the program will be taught by Pitt and Carnegie Mellon faculty members, and instrumentation and facilities at both universities will be available for training. The program, known officially as the University of Pittsburgh and Carnegie Mellon University Molecular Biophysics and Structural Biology Graduate Program, will enable students to develop expertise in such disciplines as cellular biophysics, biophysical methods, protein and viral structures, gene regulation and signaling, chemical structure and dynamics, and computational biology

The program also will give students hands-on training in state-of-the-art instrumentation in Pitt's new Biomedical Sciences Tower 3. "Whether it's NMR, x-ray crystallography, electron microscopy, or the latest in computational systems, we have some of the most advanced facilities of this type in the country and some of the nation's top experts to train students how to use them," said Arthur S. Levine, Pitt senior vice chancellor for health sciences and dean of the University's medical school. "It really is an outstanding environment for students who want hands-on training with such sophisticated instruments."

For more information about the joint doctoral program, visit www.biophysics.



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Happenings

January 16-22, 2007



January 16

Luncheon Discussion, "Goedel, Leibniz, and a Bit of Einstein," Nicholas Rescher, Pitt professor of philosophy, 12:05 p.m., 817R Cathedral of Learning, Pitt's Center for Philosophy of Science, 412-624-1052, www.pitt. edu/~pittentr.

Lecture, "Playing Hide and Seek With the Higgs," Patrick Fox, researcher at the Lawrence Berkeley National Laboratory, 4:30 p.m., 103 Allen Hall, Pitt-Carnegie Mellon University Physics Colloquium Series, www.phyast.pitt.edu/Events.

Theatrical Performance, Forbidden Broadway SVU, 7:30 p.m., continues through Jan. 31, Theatre Square Cabaret, 655 Penn Ave., downtown, 412-456-6666, www.pgharts.org.

Theatrical Performance, *Late Nite Catechism*, 8 p.m., continues through Jan. 28, City Theatre, 57 South 13th St., South Side, 412-431-2489, www.citytheatre-company.org.

Art Exhibition, Factory Installed 2006-2007, through Jan. 28, Mattress Factory, 500 Sampsonia Way, North Side, 412-231-3169, www.mattress.org.

Photography Exhibition, The Great Flood of 1936, through Jan. 28, Senator John Heinz Pittsburgh Regional History Center, 1212 Smallman St., Strip District, 412-454-6000, www.pghhistory.

Art Exhibitions, *Small Works*, through Feb. 2, *Bright and Shiny Holiday*, through Feb. 3, Digging Pitt Gallery, 4417 Butler St., Lawrenceville, 412-605-0450, www. diggingpitt.com.

Art Exhibitions, Small Works Part Two and Bright and Shiny Holiday Part Two, through Feb. 3, Digging Pitt Gallery Too, 45th and Plummer streets Lawrenceville, 412-605-0450, www.diggingpitt.

Photography Exhibition, Multiple Entry Visa: To Vietnam and Back, through Feb. 10, Silver Eye Center for Photography, 1015 E. Carson St., South Side, 412-431-1810, www.silvereye.org.

Art Exhibition, Rembrandt's Great Subjects: Prints From the Collection, through Feb. 11, Carnegie Museum of Art, 4400 Forbes Ave., Oakland, 412-622-3131, www.cmoa.org.

Art Exhibition, Forum 58: Jonathan Borofsky, through Feb. 18, Carnegie Museum of Art, 4400 Forbes Ave., Oakland, 412-622-3131, www.cmoa.org.

Poster Exhibition, Advertising a Dream: Movie Posters From Post-War Korea, through March 1, foyer of Pitt's Hillman Library; Pitt's Asian Studies Center, Department of East Asian Languages and Literatures, and East Asian Library, 412-648-7370, turker@pitt.edu.

Photography Exhibition, Terra Incognita: Photographs of the Arctic National Wildlife Refuge by Sabhankar Banerjee, through March 10, Michael Berger Art Gallery, 415 Gettysburg St., Point Breeze, 412-441-4282, www. mbergerart.com.

Science Exhibition, Bugs! A Rainforest Adventure, though May 1, Carnegie Science Center, 1 Allegheny Ave., North Side, 412-237-3400, www.carnegiesciencecenter.org.

January 17

Lecture, "Gendering the Natural World Through Family Talk in the Natural History Museum," Amanda Godley, Pitt assistant professor of English education; Sasha Palmquist, graduate student researcher, Pitt Learning Research and Development Center; noon, 2201 Posvar Hall, Pitt Women's Studies Program, 412-624-6485, www.pitt.edu/~wstudies.

Lecture, "Faculty Rights and Other Scholarly Communication Practices," Denise Troll Covey, principal librarian for special projects, Carnegie Mellon University, noon, 3305 Newell Simon Hall, Carnegie Mellon University, Pitt's School of Information Sciences, 412-624-3988, www.sis.pitt.edu.

Lecture, "General Nutrition," Rachel Klick, dietitian, Dialysis Clinic, Inc., 6 p.m., 1st-Floor Quiet Reading Room, Carnegie Library of Pittsburgh—Main, 4400 Forbes Ave., Oakland, Health and Well-Being Lecture Series; to register call 412-622-3151 or visit www.carnegielibrary.org.

Panel Discussion, "Approaches to Achieving Universal Health Coverage in America," 6:30 p.m., Scaife Hall's Auditorium 6, Pitt School of Medicine, 412-647-3555, rossil@upmc.edu.

Lecture, "Climbing Your Family Tree: Beginning Genealogy," Marilyn Cocchiola Holt, president, Western Pennsylvania Genealogical Society, 7 p.m., Monroeville Public Library, 4000 Gateway Campus Blvd., Monroeville, 412-372-0500, www.monroevillelibrary.org.

Book Discussion, *Dissolution* by Jennifer Loring, Sci-Fi and Fantasy Book Club, 7 p.m., Joseph-Beth Booksellers, 2705 E. Carson St., South Side, 412-381-3600, www.josephbeth.com.

Musical Performance, Freexchange, 7 p.m., Club Café, 56 South 12th St., South Side, 412-431-4950, www.clubcafelive.com.

Films, "Experimental, Underground, Revolutionary: Avantgarde Films From Germany, Austria, and Switzerland," featuring Machorka Muff (1963) and

Die Chronik der Anna Magdalena Bach (1967), directed by Jean-Marie Straub and Danièle Huillet; 7:30 p.m., 205 David Lawrence Hall, Pitt's Department of Germanic Languages and Literatures, 412-648-2614, rhalle@pitt.edu.

Musical Performance, The Fray, 7:30 p.m., Benedum Center, 719 Liberty Ave., downtown, Pittsburgh Cultural Trust, 412-456-6666, www.pgharts.org.

Comedy Performance, "Best of the 'Burgh," 7:30 p.m., Funny Bone, Station Square, Station Square Drive, South Side 412-281-3130, www.funnybonepgh.

January 18

Workshop, "Reality Check for Entrepreneurs," 12:15 p.m., Carnegie Library of Pittsburgh– Downtown Branch, 612 Smithfield St., downtown, 412-281-5945, www.carnegielibrary.org.

Book Discussion, "Books in the Afternoon—Contemporary Fiction Book Discussion," *Here on Earth* by Alice Hoffman, 1 and 6 p.m., Carnegie Library of Pittsburgh—Main Branch, 4400 Forbes Ave., Oakland, 412-622-3114, www.carnegielibrary.org.

Lecture, "Professors and Mad Med: The Discovery of Notorious Nostrums and Rare Remedies," John S. Lazlo, director of Pitt's Drug Discovery Institute, 6 p.m., Scaife Hall's Lecture Room 5, Pitt's Center for Bioethics and Health Law, 412-647-5700, www. pitt.edu/~bioethic.

Art Workshop, "Potter's Wheel,' 6:30 p.m., Pittsburgh Center for the Arts, Fifth and Shady avenues, Point Breeze, 412-361-0873, www.pittsburgharts.org.

Musical Performance, jazz trumpeter Chris Botti, 7:30 p.m., Heinz Hall, 600 Penn Ave., downtown, Pittsburgh Symphony, 412-392-4900, www.pittsburghsymphony.org.

Musical Performance, Cuarteto Latinoamericano, 7:30 p.m., College of Fine Arts Building, Forbes Avenue, Carnegie Mellon University, 412-268-2000, www.cmu.edu.

Musical Theater, Cats, 7:30 p.m., continues through Jan. 28, Byham Theatre, 101 Sixth St., downtown, Pittsburgh Musical Theater, 412-456-6666, www. pittsburghmusicals.com.

January 19

Luncheon Discussion, "Nature as Laboratory: Experiments in

Ecology and Evolutionary Biology," Bradley Wilson, associate professor of philosophy, Slippery Rock University, 12:05 p.m., 817R Cathedral of Learning, Pitt's Center for Philosophy of Science, 412-624-1052, www.pitt.edu/~pittcntr.

Book Discussion, Under Orders by Dick Francis, Mystery Book Discussion Group, 1 p.m., Carnegie Library of Pittsburgh—Main Branch, 4400 Forbes Ave., 412-622-3114, www.carnegielibrary. org

Musical Performance, "Marcus Belgrave: A Tribute to Louis Armstrong," Jazz trumpeter Marcus Belgrave, 7:30 p.m., Blaisdell Hall's Bromeley Family Theater, Pitt Bradford, 814-362-2522, www.bcpac.com.

Lecture, "Digital Duo: Choosing and Using a Digital SLR Camera," Don Lindich, national columnist, 7:30 p.m., Silver Eye Center for Photography, 1015 E. Carson St., South Side, 412-431-1810, www.silvereye.org.

Musical Performance,

Pittsburgh Symphony Chamber Orchestra, conducted by Andrés Cárdenes, 8 p.m., Pitt's Bellefield Hall Auditorium. Pitt student, faculty, and staff admission: Pitt Arte Office, 929 William Pitt Union. General admission: 412-392-4819, psotix@pittsburghsymphony.org.

Theatrical Performance,

No Exit by Jean Paul Sartre, 8 p.m., through Jan. 20, Garfield Artworks, 4931 Penn Ave., Lawrenceville, 412-334-3126, www. garfieldartworks.com.

Musical Performance, The Parlour Boys, 9:30 p.m., Brillobox, 4104 Penn Ave., Lawrenceville, 412-621-4900.

Musical Performance, After The Fall, 10 p.m., Hard Rock Café, Station Square, 230 W. Station Square Dr., South Side, 412-481-7625, www.hardrock.com.

January 20

Ethics Workshop, "Writing Research Articles," 9 a.m., Scaife Hall's Lecture Room 2, Pitt's Survival Skills and Ethics Program, 412-578-3716, www.survival. pitt.edu.

Musical Performance, Last Towne Chorus, 7 p.m., Club Café, 56 South 12th St., South Side, 412-431-4950, www.clubcafelive.

Musical Performance, O.A.R., 7:30 p.m., A.J. Palumbo Center, Duquesne University, 1304 Forbes Ave., downtown, 412-323-1919,

www.ticketmaster.com.

Art Exhibition, Gritty Brits: New London Architecture, through June 3, Carnegie Museum of Art, 4400 Forbes Ave., Oakland, 412-622-3131, www.cmoa.org.

January 21

Art Workshop, glass art, 2 p.m., Pittsburgh Glass Center, 5472 Penn Ave., East Liberty, 412-365-2145, www.pittsburghglasscenter.org.

Musical Performance, "Sunday Night Jazz," Pittsburgh Jazz Society student band, 7 p.m., Rhythm House Café, 3029 Washington Pike, Bridgeville, Pittsburgh Jazz Society, 412-343-9555, www. pittsburghjazz.org.

Musical Performance, Alli Gillis, 8 p.m., Hard Rock Café, Station Square, 230 W. Station Square Dr., South Side, 412-481-7625, www.hardrock.com.

January 22

Lecture, "The Problem When Race Matters," Doris Carson Williams, president, African American Chamber of Commerce of Western Pennsylvania, noon, 2017 Cathedral of Learning, Pitt School of Social Work's Center on Race and Social Problems, 412-624-7382, www.crsp.pitt.edu.

Film Streening, Capote, directed by Bennett Miller, 12:15 p.m., Carnegie Library of Pittsburgh—Downtown Branch, 612 Smithfield St., downtown, 412-281-5945, www.carnegielibrary.org.

Reading, author Alice Hoffman, 7:30 p.m., Carnegie Music Hall, 4400 Forbes Ave., Oakland, Drue Heinz Lecture Series, 412-622-8866, www.pittsburghlectures.org.

PUBLICATION NOTICE The next edition of the *Pitt Chronicle* will be published Jan 22. The deadline for submitting information is 5 p.m. Jan. 17. 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.