**WUSTL researcher finds evidence of earliest transport use of donkeys**

Abydos, Egypt. The team, led by Marshall and Stine previously thought key domestication, suggesting the process of domestication and the early phases of donkey use around 5,000 years ago were in an early phase of domestication. They looked like wild animals but displayed joint wear that showed that they were used as beasts of burden, donkeys were still undergoing Considerations to those of wild ass, but mid-shaft lengths, resembled those of wild ass, but mid-shaft depths and distal breadths were intermediate between those of wild ass and domestic donkey. Despite this, all the Abydos skeletons exhibited a strongly consistent with load carrying. Morphological similarities to the wild ass show that, despite their use as beasts of burden, donkeys were undergoing considerable phenotypic change during the early dynastic period in Egypt. This pattern is consistent with recent studies of other domestic animals that suggest that the process of domestication is slower and more complicated than had been previously thought.

---

**Clinical depression raises risk of death for heart attack patients**

*By Jim Dryden*

Depressed heart attack patients have a higher risk for sudden death in the months following a heart attack, a new study by hundreds of researchers found. It has been found that the risk continues for many years. "There's a two- to four-fold increase in a person's risk of dying following a heart attack if they also happen to be depressed," said Robert M. Carney, Ph.D., lead author of the study and professor of psychiatry.

**WUSTL research team finds evidence of earliest transport use of donkeys**

Researchers examined ancient donkey skeletons at Abydos, Egypt. The team, led by Marshall and Stine previously thought key domestication, suggesting the process of domestication and the early phases of donkey use around 5,000 years ago were in an early phase of domestication. They looked like wild animals but displayed joint wear that showed that they were used as beasts of burden, donkeys were still undergoing Considerations to those of wild ass, but mid-shaft lengths, resembled those of wild ass, but mid-shaft depths and distal breadths were intermediate between those of wild ass and domestic donkey. Despite this, all the Abydos skeletons exhibited a strongly consistent with load carrying. Morphological similarities to the wild ass show that, despite their use as beasts of burden, donkeys were undergoing considerable phenotypic change during the early dynastic period in Egypt. This pattern is consistent with recent studies of other domestic animals that suggest that the process of domestication is slower and more complicated than had been previously thought.
University switches to 'green' products

As part of Washington University's initiative to conserve energy and reduce its environmental impact, the University has switched to using green, environmentally friendly products. This move is part of a broader effort to reduce the University's use of "green," environmentally friendly products.

The switch was announced by the University's Office of Environmental Stewardship. Corporate Express, the University's office products contractor, was tasked with implementing the switch. The switch involves substituting green products for traditional office supplies, such as paper, pens, and other office items.

"This change is part of our ongoing effort to reduce our environmental impact," said a representative from Corporate Express. "We're proud to be a partner in this initiative and to help the University reduce its carbon footprint."
School of Medicine to lead pediatric lung transplant research

**By Gwen Ericson**

The recently established Institute of Clinical and Translational Sciences (ICTS) has awarded its first grant of more than $800,000 to a team from Washington University in St. Louis that is focusing on pediatric lung transplant research.

Established in 1990, the pediatric lung transplant program at the School of Medicine and St. Louis Children's Hospital was the first pediatric lung transplant program in the United States. To date, it has performed more than 300 pediatric lung transplants world-wide, or more than 300 since 1990.

The ICTS Pilot and Novel Investigator Program is designed to encourage innovative and collaborative research in areas that have the potential for major breakthroughs. The ICTS Pilot and Novel Investigator Program awards up to $32,000 per year for two years. The $800,000 awarded last month will fund grants for up to 26 investigators from different fields in an effort to improve outcomes for pediatric lung transplant recipients.

"Our hypothesis is that respiratory viral infections in pediatric lung transplant recipients play a significant role in the development of long-term complications due to interaction with the immune system," said Sweet. "Pinpointing these viruses and immune responses will allow us to design new ways to predict a patient's risk of infection and to improve the outcomes of children who have lung transplants.

"The ICTS is a collaboration designed to bring together in a multidisciplinary group with an emphasis on clinically-based research with the greatest potential to transform patient care," said Thompson.

Daniel C. Link, M.D., associate professor of pediatrics and oncology, and immunology, is principal investigator of one of the grants awarded in this round of competition. His goal is to improve outcomes for pandemic patients that involve two or more investigators from different fields working together in a multidisciplinary group with an emphasis on clinically-based research with the greatest potential to transform patient care.

"We're very excited about the potential of this research to help a group of patients who really don't have any other treatment options," Link said. "This collaboration between vascular surgery and basic bone marrow research has led to a project that can have immediate benefit to patients."

The School of Medicine and St. Louis Children's Hospital will also be part of the Pediatric Heart Transplant Network included in the Pediatric Heart Transplant Consortium. Charles Cantor, M.D., professor of pediatrics at the School of Medicine, serves as the principal investigator of the network site.

---

**Meet your match**

Ian Hagemann, a graduating M.D./Ph.D. student in the Medical Scientist Training Program, learned he will be doing his residency in pathology at the Hospital of the University of Pennsylvania in Philadelphia at Match Day March 20 in Moore Auditorium, while holding his daughter's hand.

Hagemann's choice was one of 26 students who matched, 31 matched at Barnes-Jewish or St. Louis Children's hospitals.

"Our hypothesis is that respiratory viral infections in pediatric lung transplant recipients play a significant role in the development of long-term complications due to interaction with the immune system," said Sweet. "Pinpointing these viruses and immune responses will allow us to design new ways to predict a patient's risk of infection and to improve the outcomes of children who have lung transplants.

"The ICTS is a collaboration designed to bring together in a multidisciplinary group with an emphasis on clinically-based research with the greatest potential to transform patient care," said Thompson.

Daniel C. Link, M.D., associate professor of pediatrics and oncology, and immunology, is principal investigator of one of the grants awarded in this round of competition. His goal is to improve outcomes for pandemic patients that involve two or more investigators from different fields working together in a multidisciplinary group with an emphasis on clinically-based research with the greatest potential to transform patient care.

"We're very excited about the potential of this research to help a group of patients who really don't have any other treatment options," Link said. "This collaboration between vascular surgery and basic bone marrow research has led to a project that can have immediate benefit to patients."

The School of Medicine and St. Louis Children's Hospital will also be part of the Pediatric Heart Transplant Network included in the Pediatric Heart Transplant Consortium. Charles Cantor, M.D., professor of pediatrics at the School of Medicine, serves as the principal investigator of the network site.

---

**Grant recipients**

- **Henry Lai, M.D., assistant professor of surgery**
  
- **Pilot study of stem cell modification by G-CSF to treat peripheral arterial disease**
  
- **Daniel C. Link, M.D., assistant professor of medicine and assistant dean for career counseling**

**Risks for complications after spine surgery**

Risks for complications after spine surgery in the elderly by Margaret A. Allen, Ph.D., research assistant professor of medicine in the Division of Infectious Diseases.

- **Effects of gene-environment interactions on bone mass density in rheumatoid arthritis**
  
- **A randomized controlled trial for young overweight children**
  
- **Frequent genetic variants contribute to staphylococcus aureus disease**
  
- **Hierarchical mixed-effects modeling for e-scores**
  
- **Gradient echo plural contrast imaging**
  
- **Wireless sensor network technology for clinical monitoring**

**Risk factors for complications after spine surgery**

- **Graduate course in community-acquired methicillin resistant staphylococcus aureus disease**
  
- **Risk factors for complications after spine surgery**
  
- **Risk factors for complications after spine surgery**

**Development of a collaborative team for the prevention of osteoporosis**

- **Interdisciplinary program development in sickle cell disease**
  
- **Risk factors for complications after spine surgery in the elderly**
  
- **Risk factors for complications after spine surgery in the elderly**

**Development of a collaborative team for the prevention of osteoporosis**

- **Interdisciplinary program development in sickle cell disease**

**Risk factors for complications after spine surgery**

- **Interdisciplinary program development in sickle cell disease**

**Development of a collaborative team for the prevention of osteoporosis**

- **Interdisciplinary program development in sickle cell disease**
University Events

Elliot Trio to perform piano works by Lalo, Schubert

By LIM OTTEN

The Elliot Trio will perform a pair of piano trios and a solo piece by Lalo and Schubert (1979-1982) at 8 p.m. Thursday, April 6, in the School of Music Center for the Performing Arts; 660 S. Euclid Ave. (For tickets, visit webevent.wustl.edu or call 935-4444.)

The Elliot Trio consists of Seth Carlin, professor and director of the piano program in the Department of Music in Arts & Sciences; violinist David Halen, concertmaster for the Saint Louis Symphony Orchestra; and cellist Brian Rambaud, concertmaster for the Saint Louis Symphony Orchestra.

The group, established by Carlin in the early 1990s, is named for Washington University founder William Greenleaf Eliot, whose name appears on the ingaworks
documents of the piano trio literature.

This year, the Elliot Trio’s program features music by three notable French composers: Lalo, Schubert and Debussy.

For more information, visit webevent.wustl.edu.

Faces of Hope • Ethics Night • Growth of the Small

Sunday, April 9


5 p.m. Center for Research on Open-Source and Gambitious Governance Evangelist. Dennis & Judith Wallace, Rm. 310. To register: 935-9490.

5:45-6 p.m. Thursday Corporate Ethics Night. "The Strength of the Small." In conjunction with the Ethics Network. L. 51, Delmar Ave. 935-4445.

6 p.m. Physics Seminar. "Shape Distributions for Histologic Induction, Morphogenesis and Anti-Disease." Andreas Matouschek, prof., of computer science, Drexel U. Whitaker Hall, Rm. 218. 362-5473.


Monday, April 10


9 a.m. Physics Seminar. "Shape Distributions for Histologic Induction, Morphogenesis and Anti-Disease." Andreas Matouschek, prof., of computer science, Drexel U. Whitaker Hall, Rm. 218. 362-5473.


9 a.m.-4:30 p.m. Center for the Application of Science & Technology to Public Policy Conference. "Ethics, Law & Economy of Nanotechnology." In conjunction with the Institute for Advanced Legal Studies.


5 p.m. Center for Research on Open-Source and Gambitious Governance Evangelist. Dennis & Judith Wallace, Rm. 310. To register: 935-9490.

6 p.m. Physics Seminar. "Shape Distributions for Histologic Induction, Morphogenesis and Anti-Disease." Andreas Matouschek, prof., of computer science, Drexel U. Whitaker Hall, Rm. 211. 362-5473.


11 a.m.-4:30 p.m. Center for the Application of Science & Technology to Public Policy Conference. "Ethics, Law & Economy of Nanotechnology." In conjunction with the Institute for Advanced Legal Studies.


Italian film festival presents six films beginning April 4

The Film and Media Studies Program in Arts & Auditorium.

The festival will feature the St. Louis premieres of six recent Italian feature films, screened on Fridays and Saturdays for three consecutive weekends. All films will be shown in 35mm format in Italian with English subtitles.

**Monday, April 13**

**Tuesday, April 14**
- 11 a.m. Assembly Series.
- 6:30 p.m. Architecture Lecture Series. Oubrerie, prof, of architecture, Ohio State

**Wednesday, April 15**
- 3 p.m. American Indian Awareness Week Commons. 935-7288.
- 4:30 p.m. Convocation, Convocation Center. Graham Chapel. 935-5586.

**Thursday, April 16**
- 2 p.m. Senior Piano Recital. Mathi Vollala. Hodad Hall. 935-4341.
- 4:30 p.m. Psychology The Freshman Reading Program book chosen by Marco Tullio Giordana. Directed by Carlo Verdone.

**Friday, April 17**
- 4 p.m. Kemper Presents Concert Series. Wegener. Arts Center. 935-4333.
Depression

Smoking, diabetes also raise risk of dying — from Page 1

Clinic, followed more than 750 heart attack patients for five years. The findings will appear in an upcoming issue of the Journal of Affective Disorders and are available online.

Patients followed in the study had participated in the NIH-funded project "Inhaling Recovery in Coronary Heart Disease Patients." Just under half were diagnostically depressed. In the five years following a heart attack, 190 patients died. Of those, 62 had been diagnosed with depression. In gauging the effects of depression, the investigators also considered other risks including age, smoking, hypertension, gender and diabetes.

Some of those factors, such as young age and female gender, lower mortality risk. Smoking and diabetes tend to raise the risk of dying, Carney said, but he said that smoking status is affected by depression whereas diabetes is a more permanent condition.

"These new findings suggest that screening for depression following a heart attack may be important," Carney said. "Even with mounting evidence of depression's link between depression and heart attack patients, about 30 to 40 percent of these patients receive antidepressant or other drug treatments. That doesn't surprise Carney. His team reported in 2003 in the Journal of the American Medical Association that providing treatment for depression seemed to have little effect on whether patients survived or had a second heart attack. This could be because depression treatments are not effective for all patients, Carney said, and he suspects that current depression treatments could be improved, but survival rates might increase, too.

"The new study is enrolling people with depression who have undergone a heart attack in the past three months. After being evaluated for depression, patients who take an antidepressant or are randomized to take a capsule containing fish oil omega-3 or corn oil for 12 weeks. This study is examining whether omega-3 can help prevent rehospitalization and death.

"We have not been satisfied with the effectiveness of antidepressants at alleviating depression symptoms, especially in some patients," Carney said. "We're studying omega-3 because there's promise that the walnuts and salmon acids also might make depression therapy even more effective in treating depression and in improving heart health."

All medications, supplements and psychiatric evaluations are covered without charge. For more information about the study, please call (866) 817-3857 or visit carney.wustl.edu.

Matthews Host of 'Hardball' will speak in Quad — from Page 1

Matthews covered the fall of the Berlin Wall, the first all-races democratic elections in South Africa and the Good Friday Peace Talks in Northern Ireland. In 1996, he began his Registering in the National Archives produced The San Francisco Examiner's series of scoops on the Nixon presidential tapes. Matthews covered the 1980 American presidential election campaigns since 1980, including the broadcast of the 1988 and 1992 week recount of 2000. In 2005, Matthews covered the funeral of Pope John Paul II. In March 2004, he received the David Bronsky Award of fine arts Excellence in Broadcast Journalism. He has also been awarded The Abraham Lincoln Award from the Union League of Philadelphia and, in 2005, he received the Gold Medal Award from the Pennsylvania Historical and Museum Commission.

Before moving into journalism, Matthews spent 15 years in politics and government, working in the White House for five years under Jimmy Carter as a presidential speechwriter and on the President's Reorganization Project. He worked in the U.S. Senate on the staff of Sen. Frank Church (D) and Sen. Edmund Muskie (Maine) for five years and as the top aide to Speaker of the House Thomas P. "Tip" O'Neill Jr. for six years.


Matthews is an Associate Vice Chancellor Emeritus and former interim Executive Editor Emeritus of the St. Louis Post-Dispatch. He is President Emeritus of Holy Cross College. Matthews did graduate work in economics at the University of North Carolina at Chapel Hill. Matthews also worked for two years as a trade development advisor with the U.S. Peace Corps in Chile.

Matthews was a visiting fellow at Harvard University's John F. Kennedy School of Government. He is a holder of two master's degrees and holds nine honorary doctorates. He is married to Kathleen Matthews. They have three children: Michael, Thomas and Caroline.
MacKee receives national ACSA honor

By LASSI OVERT

Peter MacKee, associate dean of architecture and professor of design and Visual Arts and the School of Architecture, has received one of three national awards for his architectural development activities of those students in architecture in Arts & Sciences, have recently received a one-year, $15,000 I-CARES grant for research on "Zero-Energy, High-Performance Building Standards," a series of case studies in building design specifically directed at sustainable and zero energy campus building design. His essay on the new Sam Fox School of Design & Visual Arts buildings by architect Fumihiko Maki, "Designed Education," will appear in April 2008 special issue of Japan Architect.

MacKee is a non-profit membership association founded in 1962 to advance the quality of architectural education. Members consist of all colleges and universities that accredited degree programs in architectural education in U.S. states and Canada, candidate schools seeking accreditation; and affiliated members in international programs and other eligible for accreditation. Through these schools, most of the world's architectural faculty are represented.

Trustees grant faculty promotions, tenure

A recent Board of Trustees meetings, the following faculty members were promoted with tenure: effective January 1, 2008, unless otherwise noted.

Promotion with tenure

J. Andrew Brown, Ph.D., to associate professor of pathology and immunology, effective Jan. 1, 2008

Jennifer S. Lawton, M.D., to associate professor of orthopaedic surgery, effective Jan. 1, 2008

Margaret Garb, Ph.D., to associate professor of history

Daniel E. Gimmer, Ph.D., to associate professor of energy, environmental and chemical engineering

Charles A. Goldfarb, M.D., to associate professor of orthopaedic surgery, effective Jan. 1, 2008

Jennifer S. Lawton, M.D., to associate professor of surgery (cardiothoracic surgery), effective Jan. 1, 2008

Chong Lu, Ph.D., to associate professor of computer science and engineering

Marina MacKay, Ph.D., to associate professor of English

Robert Meighin, Ph.D., to associate professor of German

Ph. D., to associate professor of art

Lauren A. Rosenbloom, J.D., to professor of law

Kurt A. Thousheim, Ph.D., to associate professor of mechanical engineering

Linda E. Van Dellen, Ph.D., to associate professor of physical therapy effective Jan. 1, 2008, unless otherwise noted.

Appointment with tenure

Elizabeth M. Brunet, M.D., as professor of pathology and immunology, effective Nov. 1, 2007, with tenure effective Jan. 1, 2008

Michael Barden Sower, M.D., Ph.D., as associate professor of pathology and immunology, effective Dec. 1, 2007, with tenure effective March 7, 2008

Washington University Code of Conduct

The Code of Conduct governs the "members of the University community," employees, volunteers and those who do business with the University. It states the ethical and professional standards that guide their decisions and actions as community members. The Code of Conduct is revised from time to time. An up-to-date version of the code is always available online at codemandconduct.wustl.edu. Below is a summary of the Code of Conduct's key features.

Integrity and ethical conduct

Washington University is committed to the highest ethical and professional standards of conduct as an integral part of its mission. The promotion of learning. To achieve this goal, the University encourages each community member's behavior, honesty, integrity and good judgment. Each community member should demonstrate respect for the rights of others. Each community member is accountable for his or her actions.

Compliance with laws and University policies

This University is committed to the University community member must transact University business in compliance with all laws, regulations and University policies related to the integrity and soundness of the School of Accounting. Managers and supervisors are responsible for teaching and monitoring compliance in their areas.

Violations or concerns

If you believe you have witnessed or are expected to report violations or concerns related to this Code of Conduct that come to the attention of University officials, you should contact the appropriate individual. Personnel should be directed to contact the University's Office of the Provost for misconduct and compliance audit, at 362-4915.
Sherry Teefey, M.D., professor of radiology, remembers a moment of panic when she interviewed for her position at Washington University. But it wasn’t the interview that shook her up — it was the view from the Queeny Tower restaurant on the 13th floor.

“I looked out and thought, ‘Oh my God! It’s so flat!’” Teefey says, laughing as she recalls her deer-in-the-headlights reaction. “I love mountains and trekking, and at that time, I was at the University of Washington in Seattle. So there are, of course, mountains, and that was a perfect fit. I sensed that Washington University was a strong institution with great professional opportunities. Also, the faculty seemed so wonderful. So I bit the bullet.”

A decade and a half later, Teefey remains glad she came to the University. She enjoys both her professional time with patients and colleagues and personal time spent not only hiking in mountain ranges around the world but also in medical education efforts in countries in Asia, Africa and South America.

“Sherry is a truly unique individual who has found a great balance between a productive academic career at the medical school and a full and stimulating personal life outside of the University,” says colleague Bill Middleton, M.D., professor of radiology. “She approaches both with a passion and enthusiasm that are inspirational.”

‘Like fireworks going off’
Teefey was born in Hawaii, Mich. After college, a job opportunity took her to Hawaii, where she ultimately studied at the University of Hawaii, earning her medical degree in 1996. She planned to go into internal medicine and had begun her first year of residency at the Mayo Clinic, but a rotation in radiology during her fourth year at medical school in the University of Hawaii changed her mind.

“I felt like fireworks going off,” she says. “I fell in love with it.”

Teefey realized that radiology also would allow her to combine her anatomy and pathology, two subjects that she had always loved at medical school. So she finished her first year in internal medicine at the Mayo and then switched to radiology. Soon thereafter, she did a fellowship in abdominal imaging, where she honed her skills in the modality that would ultimately become her specialty: ultrasound.

“Everyone thinks that means babies, and my response is, ‘I don’t do babies, I don’t do babies,’” Teefey says, laughing. “But we do almost everything else.”

Teefey’s main area of research is musculoskeletal ultrasound. She trained with Mit- dleton and orthopedic surgeons at speciﬁc centers such as Karim Magguchi, M.D., the Mayo Clinic and Mark Fee Distinguished Professor of Orthopaedic Surgery, and Leena Richard, M.D., M.P.H., assistant pro- fessor of orthopedic surgery, in and outside the U.S. In 1999, the group published extensively and established the University of Washington as a major center of re- search for ultrasound of the shoulder. I have always believed in the multidisciplinary team approach to academics because it fosters clinically relevant research,” Teefey says. “Our team has grown to include doctors such as David Siskin, Mike D. Ken. I can honestly say I am so fortunate to have great colleagues to work with.”

Her gratitude extends not only to her colleagues in radiology but also to a second, distinct group of University collaborators involved in improving health care and providing medical education in developing nations.

“I have a very strong passion for international medical ultrasound,” Teefey says. “My expertise in ultrasound machine fits well with this passion because almost every country in the world has an ultra- sound machine, regardless of how poor it is.”

‘Essence of nature’
With funding from the Radiologic Society of North America (RSNA), Teefey recently traveled to Uganda for two weeks to train radiologists in Doppler and musculoskeletal ultrasound.

Support from the RSNA’s International Development Program and a grant from the Radiology Education and Research Fund also allowed her to set up an exchange program in 2001 between the Manipal International Institute of Radiology (MIR) and the Catholic University in Santia- go, Chile. The program, which continues today, allows Chilean residents to spend three-month periods observing at MIR and send MIR faculty to Santiago to teach for one to two weeks.

Teefey also teaches ultrasound and computed tomography in Bhutan, a small Himalayan king- dom east of Nepal and on the border between India and China. Initially, her love of the Himalaya drew her there.

“I have hiked in Europe several times over the years, but I found the Himalayas so immense and majestic,” she says. “I kept drawing, maybe because of the serenity, and the feeling that life was being reduced to the simple essence of nature.”

Her 2001 trip to Bhutan was a test-run for a potential trip to Mount Everest. In 2002, having found that she performed well at high altitudes, Teefey made the trek to Everest base camp, which is 17,600 feet above sea level. (Everest’s peak is just over 29,000 feet above sea level.) Then she climbed 10,000 feet up a nearby mountain, Kala Patar, for a better view of Everest.

Teefey has good memories of that trip, but the mountain in the photo hanging behind her desk isn’t Everest. It’s a picture she took of Chomolhari, the sacred mountain where she went trekking on her first trip to Bhutan. During that time, she took pictures of the Mount Everest base camp, which is 17,600 feet above sea level. (Everest’s peak is just over 29,000 feet above sea level.) Then she climbed 10,000 feet up a nearby mountain, Kala Patar, for a better view of Everest.

Teefey also is interested in scotony and wildlife photography in Africa. She has reluctantly surrendered her Nikon SLR camera and is now learning about digital photography.

Other hobbies include hiking and competitive ballroom dancing. At one time, Teefey competed in what are referred to as the “standard” (British) style dances: waltz, Viennese waltz, tango, foxtrot and quickstep.

She has given up competitive dancing for now, though, to spend more time with her moth- er, June, who has lived with Teefey since her father died.

“It’s very important to me to take care of mom,” Teefey says. “She’s done so much for me, and I want to return the personal kindness she has shown me.”

Her family members include Kathy, Teefey’s twin sister, who lives in Chicago and has a doctorate in and a National Institutes of Health grant to study quality of care in heart transplant recipients; Tim, her brother, who is an archi- tect in Michigan; and two nephews and a niece.

Teefey says she loves to drive to work in the mornings through Forest Park and catch glimpses of the sunrise and the birds. She counts herself lucky to have found a house with a small wooded preserve behind it when she first moved to St. Louis. At the end of a long day, when possi- ble, she goes back to nature, sitting quietly on her back porch with a glass of wine, looking up at the stars and “taking life back easy.”

Sherry Teefey
Currently reading: “The Tibetan Book of Living and Dying” by Sogyal Rinpoche.
Also likes to read: Historical novels and history, anthropology and art history.