Neighbour named technology management associate vice chancellor

On moving to Washington University, he will further develop the technology transfer program, a strategic, comprehensive effort that encourages companies to convert the University’s discoveries into products and processes the public can use.

“The University’s strong background in the life sciences coupled with his 20 years of experience in technology transfer and new business development make him an ideal candidate for this position,” said Cicero, who also is a professor of psychiatry at the School of Medicine.

The technology transfer program evaluates University research for commercial potential, seeks patents, markets new technologies, negotiates and maintains licenses with corporate and potential new business enterprises.

“The primary functions of a university are education, research and the expansion of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the mission of knowledge, but applying that knowledge to advance the public good is the
Nathaniel H. Murdock, M.D., has been elected president of the National Medical Association (NMA), the largest group of minority physicians in the United States. He was installed in Hawaii on Aug. 6. Murdock is a clinical assistant professor of obstetrics and gynecology.

"We're proud that Dr. Murdock has been chosen for this most important national leadership position," said William A. Peck, M.D., executive vice chancellor and provost of medical affairs at the University and dean of the School of Medicine. "His commitment to health care of the highest quality will be a major asset.

Murdock, who was named to his post by a 121-member board that selected 12 of the 13 members of the board, is a practicing obstetrician-gynecologist and associate professor of obstetrics and gynecology. He is co-founder of the Bothwell Medical Group, which serves four counties in the region.

Murdock is a native of St. Louis and attended the University of Missouri-Columbia, where he earned a B.S. degree in chemical engineering in 1969. He attended the Washington University School of Medicine, where he received an M.D. degree in 1972 and completed his residency training in obstetrics and gynecology in 1975.

He is currently the only physician at his hospital who is a member of the National Medical Association. He is also a member of the American College of Obstetricians and Gynecologists, the American Medical Association, and the Missouri Medical Association.

Murdock and his wife, Sandra Lee, have two adult children - Nathaniel H. Murdock, Jr. and Megan Murdock.

Murdock is a strong advocate of improving access to health care for minority communities. He has been involved in several community-service organizations, including the Washington University Medical Center and the St. Louis Metropolitan Medical Society. He is also a member of the St. Louis Regional Medical Society and the Missouri Medical Association.

Murdock is a former president of the National Medical Association and served on its executive committee. He has also been active in several other organizations, including the American College of Obstetricians and Gynecologists and the Missouri Medical Association.

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of Howard G. Welgus, M.D., laboratory research started out as a good way to spend the summer before beginning medical school at Washington University in the fall of 1973. But instead, a stint in the lab of Arthur Z. Eisen, M.D., the Winfred A. and Emma R. Showman Professor of Dermatology, fired up Welgus’ long-term interest in pursuing adventures at the bench. “I just loved it,” Welgus said of the time he spent with Eisen working on collagenase, one of a family of enzymes that are involved in the remodeling of extracellular matrix, which is implicated in a host of diseases from skin ulcers to cancer.

“You had a hypothesis, you would test it — and in a few days you would get some numbers and data and tell yourself whether that was right or wrong.”

Since then, 11 more metalloproteinases have been added to the original roster of three. And Welgus, a professor of medicine and head of the Division of Dermatology at the School of Medicine, has distinguished himself for ground-breaking work on these enzymes that chew up proteins in the extracellular matrix, a supportive network surrounding tissue cells.

“Their research has been really significant in understanding where the metalloproteinases are expressed and how they participate in various diseases,” said Joan Utto, M.D., Ph.D., chair of the dermatology and cutaneous biology department at Jefferson Medical College in Philadelphia.

Unlike many other disease states, the matrix-degrading metalloproteinases do their jobs too well. Among other crimes, they are thought to break down the cartilage in the joints of people with osteoarthritis, making it painful and difficult for them to use.

“Bones, for example, are said to be remodeled 10 times in the average person’s lifetime. Epithelial cells lining the gut have been documented every two days. And the outer layer of skin, the epidermis, needs replacement every month as it weatheres the outside world and the human onslaught that comes with scratching at mosquito bites and burning up in the sun.”

“Wherever some refurbishing is needed, cells similar to the macrophages in the lungs produce macrophages that break down extracellular matrix so the keratinocytes that work to keep the enzymes under tight rein and to control many normal physiologic functions. Yet along the way we get these normal kinds of remodeling processes,” Welgus said.

“Welgus also helped draw attention to the role of metalloproteinases in skin when they began looking five years ago for sites in the body where there were enzymes that were important for epithelial cells trying to take care of garden-variety cuts and scrapes. In particular, cells lining the mouth, gut and skin, metalloproteinases are produced to facilitate the migration of cells that direct remodeling efforts.”

“The major reason that we have these enzymes is for these normal kinds of remodeling processes,” Welgus said.

Welgus and William C. Parks, Ph.D., associate professor of biology and physiology, uncovered the more mundane function of metalloproteinases in skin when they began looking five years ago for sites in the body where there were enzymes that were especially active. They found metalloproteinases to be important for epithelial cells trying to take care of garden-variety cuts and scrapes. In particular, cells lining the mouth, gut and skin, metalloproteinases are produced to facilitate the migration of cells that direct remodeling efforts.

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Despite the lack of free time recently, Welgus said he enjoys playing golf, although he has had little time to do so since becoming director of the medical school’s dermatology division. He has passed on this passion to his son, David, who for several years played golf almost every weekend with his father.

“Welgus also has sought out similar collaborations elsewhere. In 1991, he took a six-month sabbatical in Geneva, where he worked in the laboratory of an immunologist and learned about cytokines and growth factors important to metalloproteinase-producing macrophages. Welgus’ wife of 24 years, Sandy, and their son, David, now 15, and daughter, Ruthie, now 17, came along on this trip.”

In his spare time, Welgus says he enjoys playing golf, although he has had little time to do so since becoming director of the medical school’s dermatology division. He has passed on this passion to his son, who for several years played golf almost every weekend with his father.

“Despite the lack of free time recently, Welgus said he has had an exciting life and career in metalloproteinase research. In course, the enzymes slice up collagen within the extracellular matrix. The collagen fragments then serve as a signal that activates osteoclasts to break down components of bone. And in the cell layers lining the mouth, gut and skin, metalloproteinases are produced to facilitate the migration of cells that direct remodeling efforts.”

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Preoration offers chance to learn, grow

In addition to freshman Orientation events, this year's calendar also features a series of preoration activities. Scheduled between Monday, Aug. 18, and Thursday, Aug. 21, the seven programs provide students with additional opportunities to learn about Washington University, its people, its surroundings — and, ideally, themselves.

“The focus is on small-group interaction,” said Marcus Hayes-Harris, director of Orientation. Joining the “Launch” and “Leaderboard Challenge,” participants spend an entire day outside in the heart of WashU, visiting campus landmarks, enjoying lunch in the Library and, of course, dancing in the Food Court, contemplating the statue of a gargoyle, and throwing darts at the sink in the Student Dental Clinic. The final event of the week is a three-day, on-campus program that includes workshops on academic strategies, time management, and financial literacy.

"The First Year Challenge" — Sponsored by the Office of Orientation, participants spend an entire day outside taking part in games, initiatives and activities designed to promote working together toward a common goal:

• "Student Life Fresman Press" — Working with local media professionals, students will undergo a three-day crash-course in journalism, during which they will prepare a special edition of Student Life for the incoming class.

• "Washington University and Its Place on the Meramec River" — Bob Criss, Ph.D., professor of earth and planetary sciences in Arts and Sciences, leads a canoe trip down the Meramec River, which boasts some of the most pristine and biologically diverse watersheds in the world.

• "Venice" — Sponsored by the Catholic Student Center and the St. Louis Hillel Center, students can take an overnight retreat to the Missouri countryside, where they explore issues of identity, relationships, faith and community.

• "The First Year Challenge" — Sponsored by the Office of Orientation, participants spend an entire day outside taking part in games, initiatives and activities designed to promote working together toward a common goal; and

• "St. Louis Backstage" — Jeffery Matthews and Bill Whichert, both artists in residence in drama in the Performing Arts Department in Arts and Sciences, lead tours of the St. Louis Center for the Performing Arts — including stops at the Muny, the Repertory Theatre of St. Louis, the Washington University's Edison Theatre.
EIGHTEEN HIGH SCHOOL BIOLOGY TEACHERS met the first two weeks of August in the Rock Island District of the Alzheimer's Association, an organization that is essential to the success of the program. From HHMI and NIH and HBMII makes this possible. The agents sub-contract with the Mathematics and Science Education Center and Cooperating School Districts of St. Louis for the administration and the logistics of the supply train.

The curriculum lasts between nine to 12 days in the classroom, and students' differing abilities and their different learning paces. The unit is broken down into four chapters: DNA, Inheritance, Molecular Biology and Biotechnology, Genetics and Biotechnology. The curriculum is much easier, accessible, and the norm in most high schools today.

From the original involvement of teachers and students in the University City school district, additional regional St. Louis high schools district joined the project last year, each day of teaching the class for the coming year, encompassing thousands of students in University City, suburban and rural high schools. The curriculum has been used with great success in the past two years.

"What we have tried to do is find a curriculum that can be duplicated just about any place the teachers have had students perform experiments where they shine ultraviolet light on bacteria and observe genetic material, build models of DNA and nucleic acids; do a genetic profile of a hypothetical family to screen for genetic mutations caused by Dechening and other diseases. The curriculum is designed to have students doing intensive activities three or four days a week, and this isn't the norm in most high schools today. This is where implementation support is so valuable to the program and also where the importance of the workshop comes in. This allows teachers to share innovative teaching ideas and participate in new activities and ideas in a supportive environment."

Summer campers Mussie Gbegbogboglo (left) and Odell Johnson, at the Carolina Museum of Natural History, came to Center for Genetic Education in Opelna, summer worker in the School of Engineering and Applied Science, as a drawing buddy. Sarah and her father, Steve, assistant accountant in engineering, were among those who volunteered through the program to work at a United Way-sponsored agency.

Volunteering builds morale, teamwork — from page 1

"The connection with the kids was pretty powerful," she said. "It took me back to my grade, and I was nervous that I wouldn't remember how to play four-square ball," she added, "but it all came back, and it was so much fun that I've volunteered for their after-school program in the fall."

Helping people see the year-round need and encouraging them to volunteer for other ongoing projects is one of the goals of Days of Caring, said McAloney, director of the Volunteer Center of the United Way of Greater St. Louis.

"This year we changed Days of Caring to a year-round event, so that companies and individuals can pick projects that last a week or up to a year.

There have been 320 volunteers involved this year to date, and many say they are planning to volunteer again next year. For example, BJC Health System has about 400 volunteers signed up and said they plan on returning during the last two weeks of August.

"There are more companies are seeing the value of having employees participate," said McAloney. "They see that volunteering often improves morale and teamwork, and more are allowing employees paid time off to volunteer during their work week.

The University has supported Days of Caring since it began locally in 1994. This year's number of employee volunteers is the University's highest ever.

Supporting employees' volunteer efforts is an important part of the University's work to contribute to the St. Louis community," said John R. Loya, vice chancellor for human resources. "Days of Caring gives employees an opportunity to interact with individuals who benefit from United Way contributions and to see how their own contributions help throughout the community.

Some volunteers have known the benefits first-hand. Gloria Lucy, business manager at Missouri State University for the Study of American Business (MSU), and her sister Pamela Carter, mail coordinator, CSAB, worked at the Alzheimer's Association, an organization they know well because their mother died of Alzheimer's disease.

"She always wanted us volunteering the value with special meaning for [us]," Lucy said. "I hope to get to work there again next year.

Outside of the Days of Caring program, diverse volunteer opportunities are available throughout the year — from yard work and painting to office work and activities with children, adults and the elderly.

The University of St. Louis is open to working with anyone who would like to volunteer and is in need of volunteers.

Volunteering builds morale, teamwork — from page 1

The following incidents were reported to the University Police Department from July 14-Aug. 17. Students with information that they may be useful to the police are asked to call 1-661-355-55. This release is provided as a public service to promote public safety awareness on campus.

July 15 2:30 p.m. — A student reported that a checkbook and several blank checks were stolen from a fraternity house. The bank account numbers were subsequently used in procuring additional checks, and several thousand dollars worth of purchases were made.

July 19 10:49 a.m. — A student reported that a wallet and $20 was stolen from an unlocked desk in Elliott Hall.

July 21 2:01 p.m. — A staff member reported that petty cash was stolen from a locked desk in a locked office in the psychology building.

July 29 6:56 a.m. — A student reported that an improperly locked bicycle was stolen from a rack on the north side of the Student Center Residence Hall. Only the front tire of the bike was severed to the rack, allowing the rest of the bike to be taken by locking the quick release on the wheel.

Aug. 6 5:34 p.m. — A student reported that a laptop computer was stolen from the common area of a suite in Wydown Residence Hall.

Aug. 11 11:21 p.m. — Two students reported that a Compus computer, monitor and printer and a laptop computer were stolen from the basement storage area of a fraternity house.

"What we have tried to do is find a collection of models, exercises, activities that will work with almost any age in both high school and high school curricula but will make the genetics curriculum a much richer one, accessible to a larger range of students," Elgin emphasized. "What we have tried to do is find a curriculum that can be duplicated just about any place the teachers have had students perform experiments where they shine ultraviolet light on bacteria and observe genetic material, build models of DNA and nucleic acids; do a genetic profile of a hypothetical family to screen for genetic mutations caused by Dechening and other diseases. The curriculum is designed to have students doing intensive activities three or four days a week, and this isn't the norm in most high schools today. This is where implementation support is so valuable to the program and also where the importance of the workshop comes in. This allows teachers to share innovative teaching ideas and participate in new activities and ideas in a supportive environment."

Moore said that over the past two years, teachers have had students perform experiments where they shine ultraviolet light on bacteria and observe genetic material, build models of DNA and nucleic acids; do a genetic profile of a hypothetical family to screen for genetic mutations caused by Dechening and other diseases. The curriculum is designed to have students doing intensive activities three or four days a week, and this isn't the norm in most high schools today. This is where implementation support is so valuable to the program and also where the importance of the workshop comes in. This allows teachers to share innovative teaching ideas and participate in new activities and ideas in a supportive environment."

"Science is messy, noisy and collaborative," said Moore, who also taught a workshop for the City Science Education Partnership. "The teachers rate the different activities, they rate the teachers and also where the importance of the workshop comes in. This allows teachers to share innovative teaching ideas and participate in new activities and ideas in a supportive environment.

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Fulbright Scholarships awarded to four students

Sixteen freshmen have entered the University as Ervin Scholars

Business Week survey ranks computer science department near the top in best labs

John Drobak to chair Faculty Senate Council for new academic year
Julio V. Santiago, renowned diabetes researcher

Julio V. Santiago, M.D., an internationally renowned diabetes researcher, died suddenly of a suspected heart attack on Aug. 19, 2007, at his home in St. Louis. He was 55.

Santiago was an associate professor of pediatrics and of medicine and director of the Division of Pediatric Endocrinology at Washington University School of Medicine in St. Louis. He was also a senior investigator in the Diabetes Research and Training Center, one of only six in the nation.

At the time of his death, Santiago was involved in the Diabetes Prevention Program, the largest national diabetes study to evaluate whether medication or lifestyle changes can prevent or delay adult-onset diabetes.

Previously, Santiago was the principal investigator on the National Institute of Diabetes and Digestive and Kidney Diseases National Diabetes Control and Complications Trial (DCCT), considered one of the most important trials in the history of diabetes research. In 1993, DCCT researchers concluded that strictly controlling blood sugar levels can prevent or delay the ravaging complications of the disease. Santiago was one of the foremost leaders in development and testing of miniaturized portable insulin infusion pumps, devices for self-monitoring of blood glucose, as well as other advances in diabetes care.

"Julio will be remembered by his friends and family as a dedicated, caring physician and a wonderful human being," said his colleague and collaborator, Neil H. White, M.D., associate professor of pediatrics. "He was an outstanding teacher and mentor and role model for all of us."

Another colleague, Sherida E. Tollifer, M.D., associate professor of pediatrics, said, "His life was exemplary by his boundless enthusiasm, warmth and generosity. His avid interest in sports and the outdoors; and his tireless efforts in diabetes research."

A native of San German, Puerto Rico, Santiago earned a bachelor's degree in science in 1963 at Manhattan College in New York. He received a medical degree in 1967 from University of Puerto Rico, graduating first in his class.

After completing a residency in medicine and a fellowship in endocrinology at Washington University, he joined the faculty in 1973 as an assistant professor of pediatrics and of medicine.

David M. Kipsius, M.D., the Distinguished Professor of Medicine and professor of molecular biology and pharmacology, met Santiago more than 30 years ago at the University of Puerto Rico. "Julio was the guy who helped me to get into Washington University for his training. "Julio always went out of his way to help people -- house staff, junior faculty, medical students -- in career development,” Kipsius said.

Kipsius said that Santiago did "everything in getting different groups within the medical school to work together in a cohesive way to bring the university forward. He took terrific energies and a deep sense of responsibility to the institution."

He is survived by his wife of 35 years, Ana Santiago; four children, Teresa Turner, Julio Santiago, Vincent Santiago and Daniel Santiago; all of St. Louis; a sister, Patricia; and a brother, Neil "Butch" Santiago, St. Louis. Burial services were held Aug. 21.

Owen S. Kantor, rheumatology professor

O wen S. Kantor, M.D., a rheumatologist and an associate professor of medicine at the University of Missouri, died of cancer July 27, 1997, at Barnes-Jewish Hospital in St. Louis. He was 55.

Kantor was in private practice at Barnes Hospital for 23 years. More than 3,000 people attended a service for him at St. Louis' Jewish West County Hospital in Creve Coeur. From 1965 to 1997, he also ran the Arthritis Center of the Shir...
Hilltop Campus

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Campus Stores

Assistant Director of Operations - Part Time
Responsibilities: liaison between company representatives, department, center managers and faculty; software support experience and ability to learn new systems; strong communication skills; discretionary judgment; understanding of financial and business activities; degree in business or equivalent experience in financial and business activities; experience in accounts receivable; knowledge of bookkeeping and payroll procedures; excellent written and oral communication skills; strong analytical and problem-solving abilities; ability to write reports and prepare budgets; ability to prioritize; strong attention to detail; ability to multi-task and work under occasional tight deadlines; ability to work occasional evenings. Pay $12,292.

Business Services

Financial Analyst - Part Time
Responsibilities: fiscal analysis, preparation of reports and other financial exercises; ability to multi-task and work under occasional tight deadlines; ability to work occasional evenings. Pay $12,292.

Campus-wide

Assistant Director of EMBA Admission Services
Responsibilities: liaison between company representatives, department, center managers and faculty; software support experience and ability to learn new systems; strong communication skills; discretionary judgment; understanding of financial and business activities; degree in business or equivalent experience in financial and business activities; experience in accounts receivable; knowledge of bookkeeping and payroll procedures; excellent written and oral communication skills; strong analytical and problem-solving abilities; ability to write reports and prepare budgets; ability to prioritize; strong attention to detail; ability to multi-task and work under occasional tight deadlines; ability to work occasional evenings. Pay $12,292.

Pharmacy

Director of Pharmacy Operations
Responsibilities: liaison between company representatives, department, center managers and faculty; software support experience and ability to learn new systems; strong communication skills; discretionary judgment; understanding of financial and business activities; degree in business or equivalent experience in financial and business activities; experience in accounts receivable; knowledge of bookkeeping and payroll procedures; excellent written and oral communication skills; strong analytical and problem-solving abilities; ability to write reports and prepare budgets; ability to prioritize; strong attention to detail; ability to multi-task and work under occasional tight deadlines; ability to work occasional evenings. Pay $12,292.

Medical Campus

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Pharmacy

Financial Analyst - Part Time
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