Bladder infections
Biofilms may be responsible for recurring cases

By Darrell E. Ward

Bacteria that invade bladder cells and grow into structured colonies known as biofilms may be responsible for many recurrent urinary tract infections (UTIs), according to School of Medicine research.

The findings, based on animal studies, offer a new explanation for recurrent UTIs and why the body’s defenses or antibiotics, treatments often don’t cure the infections. The study is the first to report on how protecting biofilms inside of cells and may provide new insight into other recurring infections such as ear infections, or skin moths.

The findings and a commentary about their implications were published in a recent issue of Science. For decades, doctors have believed that UTIs are acute infections caused by bacteria that are introduced repeatedly into the urinary tract. Sexual intercourse is associated with UTIs, as is poor hygiene. But “That’s very frustrating for women who know they are practicing good hygiene but still have these recurrent infections,” said principal investigator Scott J. Hultgren, Ph.D., the Helen Lehbrink Stoever Professor of Molecular Microbiology. “Our work may explain why urinary See UTIs, Page 6

150th anniversary polo shirts available free to faculty, staff

By Andy Cleidenhenn

What better time to show your school colors than the 150th anniversary of the founding of the school? What you don’t have any school colors? Not to worry — the University will be handing out shirts later this month and throughout the coming year. Faculty and staff members are eligible faculty and staff members in recognition of the Sesquicentennial celebration.

The shirts are a polo — choose from red and have the Sesquicentennial logo stitched in green on the left chest. The shirts come in sizes small through triple-extra-large.

The Sesquicentennial celebration opening event was held at Washington University Birthday Party on Sept. 14, said Ann Prenatt, vice chancellor for human resources. “We are looking forward to getting these shirts in the hands of our faculty and staff members so they can be worn on this day, and throughout the coming year.” Faculty and staff on the Hilltop Campus can pick their shirts up in Brookens Hall, Room 300, and those on the Medical Campus can get their shirts in the second floor of the Eric F. Newman Education Center at the following times: Aug. 26, 7 a.m. - 1 p.m. Aug. 27, 11 a.m. - 5 p.m. Aug. 28, 11 a.m. - 2 p.m. West Campus staff can pick up their shirts in Room 2128, the Multi-purpose Room, on: Sept. 3, 7 a.m. - 1 p.m. Sept. 4, 11 a.m. - 5 p.m. However, regardless of where you work, you may pick up a shirt at any of the listed locations. You must present a University identification card to get a shirt. The Office of Human Resources has established a database of all eligible faculty and staff to track distribution.

Don’t drop the ball on test scores middle-school math-matics teachers Katie Laramie of the Maplewood-Hil-mont Heights School District and Scott Hagelley of the Webster Groves School District perform an experiment that will help their students better understand linear equations at a work- shop held recently in Webster Groves. Ms. Middle-school mathematica teachers met this summer to strengthen their curricula thanks to the University’s Science Outreach pro- gram, which created the St. Louis Math and Science Partnership (MSP). Designed to meet the challenges set forth by President George W. Bush in the No Child Left Behind Act, the St. Louis MSP supports teachers in raising student test scores in math and science. Supported by a five-year, $6.5 mil- lion National Science Foundation grant, the St. Louis MSP involves five local school districts, Washington University, the St. Louis Science Center, the Saint Louis Zoo, the Show-Me Science Center, the Cooperating School Districts and WestEd.

Road construction work creates new challenges

By Andy Cleidenhenn

As moving back into a resi- dence hall or preparing to start another school year of work wasn’t challenging enough, many returning to the University this semester will also have to cope with the construction and traffic dis- ruption for the first time.

But there is some good news — everything is progressing as planned.

The work along Forsyth Boulevard, where a new roadway will connect the South 40 to Forsyth, is nearing completion. The traffic signal for that new intersection has been ordered and is expected to arrive by early October.

In addition, the Houston Way and Chauvonet Way entrance were permanently closed in late July in order to lower a water main on Forsyth.

And although it might not See Roads, Page 6

U.S. News rankings

WUSTL joins nation’s top 10

By Neil Schoenberger

Washington University — consistently ranked among America’s 20 best national universities — is now ranked in the top 10. The University is tied with Dartmouth College for ninth place in undergraduate programs among the United States’ best national universities, according to U.S. News & World Report magazine. It is the highest-ranked national university in the Midwest.

WUSTL rose from last year’s tie for 12th among the 249 nation- al universities rated by U.S. News. The tie for ninth is the best under- graduate ranking of the University by U.S. News since the publication began ranking institutions in the 1980s.

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**Thakor named Simon professor**

BY ROBERT BATTERSON

Ajani V. Thakor, Ph.D., has been named the John E. Simon Professor of Finance in the Olin School of Business, Dean Stuart I. Greenbaum, Ph.D., announced.

Thakor joins the Olin School from the University of Michigan, where he served as the Edward J. Frey Professor of Banking and Finance from 1996-2003 and as the chair of the finance department from 1989-96.

Thakor also served as an associate professor of finance at the University of Virginia from 1986-89 and as an assistant professor of finance at Northwestern University.

For his research, he has received numerous grants from foundations and agencies, including the U.S. Department of the Treasury, the Alfred P. Sloan Foundation, the Carsey Institute of Finance, the Federal Home Loan Bank and the Bank Administration Institute.

Thakor has served on the faculty at the University of Virginia since 1981. From 1980-81, he was a visiting assistant professor at the University of California, Los Angeles, and from 1979-80, he was a visiting associate professor at Northwestern University.

“Anjan Thakor is an award-winning scholar, teacher and academic leader of global renown. He is a true finance player, and we couldn’t be more proud to have him join the Olin team and Washington University,” Thakor is the editor of the prestigious Journal of Financial Intermediation (founded in 1995) and The Journal of Finance.

Brian White and Sara Pozgay, graduate students in earth & planetary sciences in Arts & Sciences, have successfully addressed a long-standing problem in understanding the rate of seismic hazards to the people of the Northern Marianas.

**Unprecedented Pacific island volcanic eruption recorded by scientists**

BY GERRY EVERDING

University geophysics faculty focused extensively on capturing the observed recent eruption of a long-dormant volcano on the uninhabited island Anatahan, part of the U.S. administered Commonwealth of the Northern Mariana Islands.

A seismicity which they deployed on Anatahan, about 200 miles north of Guam, only a few days before the eruption captured a tsumo of important seismic data — a detailed chronology of ground and post-eruption

The team was able to conclude that this information could prove valuable in the development of models for prediction in future volcanic eruptions and other similar activity in the region, which is one of the most active in the world, said Patrick Shor, Ph.D., a research scientist and lecturer in earth and planetary sciences. “The Northern Marianas are one of the most active areas, and it’s important to continue monitoring this region.”

The research team, headed by Douglas Wiens, Ph.D., professor of earth and planetary sciences, is working with collaborators from the Scripps Institution of Oceanography and the Saipan Emergency Management Office (EMO) to install even more sensitive seismographs on various platforms of the Northern Marianas islands. The team has been working with the National Science Foundation (NSF).

Designed to study the source regions of magma that erupts from the Marianas island arc, the joint U.S.-Japan Mariana Subduction Inversion Experiment resulted in the deployment of 20 land seismographs and 58 ocean-bottom seismographs.

Shore directed the installation of seismographs on various Mariana islands with assistance from University graduate students Brian White and Sara Pozgay. While the team’s primary focus was studying the seismic activity in the region, the chance capture of another volcanic eruption data may offer new avenues of research, perhaps providing tools to help access volcanic and seismic hazards to the people of the Mariana Islands.

"We were able to capture a few days of data from the quiet period before the eruption, which is important for comparison, purposes, and we have been capturing excellent data on the erupting volcano since," Shor said.

The people of the Northern Marianas have been anxious for improved seismic monitoring systems since 1981, when the eruption of another volcano on the island of Pagas forced many residents to evacuate. At the age of 25, White and others have been stuck there until the ship could return. "We were able to capture a few days of data from the quiet period before the eruption, which is important for comparison, purposes, and we have been capturing excellent data on the erupting volcano since," Shor said.

The Northern Marianas plan to be able to use this data to help them better understand the risk of volcanic eruptions and better prepare for future eruptions.

The Northern Marianas islands have been the subject of scientific research for many years. The islands are known for their unique geology and the threat of volcanic eruptions.

The team’s next step is to begin collecting data from the new seismographs installed on various platforms of the Northern Marianas islands. This data will be used to better understand the risk of volcanic eruptions and improve emergency preparedness.

The team plans to continue monitoring the region with the new seismographs, and they hope to be able to use this data to help them better understand the risk of volcanic eruptions and better prepare for future eruptions. They also hope to be able to use this data to help them better understand the risk of volcanic eruptions and better prepare for future eruptions. They also hope to be able to use this data to help them better understand the risk of volcanic eruptions and better prepare for future eruptions.
Antidepressant drugs may protect brain from damage

BY GILA Z. RECKES

A drug used to treat bone loss in patients with osteoporosis has caused a child to develop an unhealthy, dense skeleton characteristic of osteopetrosis, which typically is a genetic disorder.

"The medical literature suggests that, in controlled studies, these drugs are beneficial for many pediatric bone diseases and carry few side effects," said lead investigator Michael P. Whyte, director of the Center for Metabolic Bone Disease and Molecular Research at Shriners Hospitals for Children.


Even in adulthood, healthy bones reflect a constant balance between skeletal formation and breakdown. In diseases such as osteoporosis, bone is typically broken down faster than it is made. In contrast, osteopetrosis results when bone is made faster than it is broken down, resulting in bones that are abnormally dense and, by encasing existing cartilage and other soft tissues, insistently to protect against depression. Sheline and colleagues did not look at specific antidepressants to

Comparing women with histories of depression with women who had never experienced a depressive episode, Sheline and her team found that the use of antidepressant drugs may protect brain from damage. Antidepressants may help prevent damage to hippocampal neurons or whether they prevent damage to the brain at an earlier stage, they found evidence that the antidepressants prevented damage to hippocampal neurons from occurring.

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School of Medicine Update

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Students in this file photo revel in the fun of New Student Orientation. This year's program runs through Aug. 26, is a program called "Faculty Perspectives," which gives freshmen the opportunity to engage in a lively discussion with a faculty member about a book of common read-ings that each freshman received this summer.

"We are quite excited about this program," said Karen Lewis Colburn, assistant vice chancellor for students and associate dean for freshman transition. "It's a wonderful way for students to begin thinking about the college experience before they arrive and it also provides another opportunity to meet with a professor in an infor-mal setting."

Also this summer, each incoming freshman was sent a copy of the "Supplemental Reading of Common Readings," which was developed by a group of faculty and administrators with contribu-tions from faculty, staff and students across the University.

The book includes pieces by renowned faculty mem-bers and current and students and is aimed at helping freshmen think about what a university is, what it means to learn and discover in the university setting and what it means to be an educated person.

Each section of the book includes questions that students are encouraged to consider and present written answers during the Faculty Perspectives sessions from 6-8 p.m. Aug. 27. Excerpts of these responses will be posted on a board in Mallincrodt Student Center.

"We hope reading the book and discussing it will provide a common intellectual experience for students and will introduce them to the spirit of inquiry that is such a big part of the Washing-ton University experience," Co-burn said.

Orientation officially kicked off Aug. 23 with residence hall floor meetings and Convocation. Chancellor Mark S. Wrighton's opportunity to welcome all new students and parents to the University.

An array of departmental open houses is scheduled for today. The open houses give stu-dents an opportunity to meet with faculty and staff to learn more about the curriculum, various places, financial aid meet-ings and campus ministry dinners will also take place later today.

The closing event is the Club Dance at 10 p.m. in the South Student Center.

More and... More information, call 935-6679 or go online to orientation.wustl.edu.

WASHINGTON UNIVERSITY IN ST. LOUIS

WASHINGTON University is the U.S. university across the country selected by the Ewing Marion Kauffman Foundation for its "Kaufman Campuses Initiative," a new program aimed at making entrepreneurship educa-tion a core component and accessible opportunity campus-wide.

The Kauffman program builds on the proven trend at select universities — expanding entrepreneurship education and experiences beyond business schools, traditional academic in-stitutions' other schools and academic depart-ments to students of diverse disciplines.

WUSTL will use a $50,000 planning grant awarded by the Kauffman Foundation to help fund development of a proposal to be presented in December. The foundation will award five to seven challeng grants of up to $5 million at that time, based on determination of ability to:

• Make entrepreneurship a common and accessible experience for all students.

• Inse enzyme into campus culture.

• Adopt a unique, innovative and potentially-breakthrough approach.

"It is an honor to be chosen as a finalist by the Kauffman Foundation ... We regard this invitation as a testament to the high quality of our interdisciplinary programs and our innovative approaches to learning," said the Kauffman Foundation Initiative provides us with an out-standing opportunity to build on the strengths of our entrepre neurship initiatives, which were created to generate the consid-erable investment of Robert and Julie Skandalaris," Wrighton added.

Several components of the Skandalaris Entrepreneurship Program have been funded through an endowed gift from the Skandarlaries.

Merrill's awards include two National Book Awards, a Pulitzer Prize for Poetry, a Bollingen Prize for Poetry, a MacArthur "Genius" Award, a Guggenheim Fellowship, a National Endowment for the Arts grant and a Rockefeller Foundation Fellowship.

Merrill's most celebrated works, "Nights and Days" (1972); a Pulitzer Prize for Poetry, and revised worksheets.

"These revised typescript drafts will complement what we already have," Posey said. "They will fill in gaps in Merrill's creative process of the collection. Any uniting the books and broadsides in this acquisition continues to be a scarce piece."

The Merrill archive is a corner-stone of the Modern Literature Collections, which con-tains works created or collected by 125 20th-century American, English or Irish writers.

In 1966, Merrill — the son of Charles Merrill, co-founder of the bookstore firm Merrill Lynch — used a portion of his inheritance to fund the Ingram Merrill Founda-tion, which has since awarded grants to hundreds of artists and writers.

Merrill was awarded two National Book Awards, for "Days and Nights" (1967) and "S. (1969).

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Astrobiology grant
University scientists on origins of organic compounds

By Tony Fitzpatrick

Bruce Fegley, Ph.D., professor of earth and planetary sciences in Arts & Sciences, is a member of the National Astrobiology Institute (NAI) and chairs the University's Goddard Astrobiology group.

The University was recently selected as one of 12 new nodes in the NAI for the next five years.

Fegley will oversee the University's research, which is funded to $350,000 over five years.

He and his colleagues in the Planetary Chemistry Laboratory here will conduct experiments on the origin of organic compounds in the solar nebula, the cloud of gas and dust from which the Earth and other objects in the solar system formed. Fegley and his team will also study organic compounds in meteorites, comets, and asteroids to discover how organic molecules are formed in interstellar clouds and stars.

The NAI research will combine laboratory experiments, observations with ground-based telescopes and spacecraft, and sample comet and asteroid material to discover how organic molecules are created in interstellar clouds and stars.

Institutions with scientific co-investigators include NASA's Goddard; the University of Maryland; the California Institute of Technology; Johns Hopkins University's Applied Physics Laboratory; the University of Hawaii; Mount Wilson, Calif.; Eckerd College; the City University of New York; and the University of Washington.

Institutions with scientific collaborators include the Carnegie Institution of Washington, Washington, D.C.; NASA Ames Research Center, Moffett Field, Calif.; the University of California, Santa Cruz; the Catholic University of America; and Rowan University.

International collaborations include scientists from the University of Paris; and Leiden Observatory, the Netherlands.

The NASA Astrobiology Institute is an international research consortium with central offices located at NASA's Ames Research Center in California's Silicon Valley. NASA Ames is the agency's lead center for astrobiology, the search for the origin, evolution, distribution and future of life in the universe.

Volcano

From Page 2

Associated Press. The incredible lighting display that the APD saw was caused by movement among particles in the air after the towering volcanic clouds.

Just before dawn, it became clear to Poling that the Anatahan was actually erupting. Jose Kapiot, an EMO seismologist, woke the rest of the team with the exciting news. Immediately, they hopped on deck to glimpse the natural spectacle.

As the researchers watched the volcano rage, they realized that the seismographs installed on Anatahan just days before might now be capturing important seismic data. Observers realized that the data might help EMO seismologists see better the timing of predicting when and where the next deadly eruptions might strike the Marianas.

The waiting game

The big question: Had the that shallow seismograph survived the blast?

The National's state of health is relied, via satellite, to the United States. While no seismic data is transmitted, the station does sporadically report whether it is still working, and whether it is working. Three reports were received by the team in Saipan, the main urban center of the Marianas, within hours after their return from the deployment trip. The first report indicated, surprisingly, that data collection in the seismograph station was still running low on power, because the team had never cored the station with volcanic ash. However, no sense of whether the sensor itself was still working was sent away, and it was not known if the data being recorded was useful and intact.

Although anxious to return to Anatahan as quick as possible to play a waiting game. The volcano gained force, making it impossible to set one's feet on the island for several days. To ensure that early warning officials were very interested in learning that we had visited the island just days before the eruption because we could confirm that the island was indeed volcanic habitat at the time of the eruption. Even without rapid deployment, early warning officials would have been forced to evacuate all nearby research teams or contemplates evacuation for the island during a very dangerous phase of the eruption.

Shane, Pouay and White waited in Saipan's urban center of the Marianas, where they were soon joined by Wiens, who had just installed seismographs on Guam. Hopping to gain some sense of the Anatahan seismograph's fate, Wiens arrived by flying on an emergency management helicopter mission over the island May 13.

From the air, it was clear that Anatahan had been hit hard - about six inches of volcanic dust and debris already covered the small island. Their data, which were the only data available to say whether the seismograph had been deployed. Luckily, the eruption produced no lava, so that the damage to the seismic station was the blanketing of the station with volcanic dust. The two solar panels and cut off its power. The station was still erupting, but with less intensity than on May 11. Wiens said. "Large boulders and rock fragments were observed flying high in the air over the station."

The eruption probably began around 9 a.m. the next day.

More than a week passed before Super EMO was able to return to the island. However, instead of two volcanologists and three representatives from the environmental emergency management office. The volcanic ash had blown from the United States on the chance that there would be an opportunity to visit the islands.

Because the volcano was still erupting, the NAI team thought it might be advantageous to bring the EMO team to the island. However, the team was not able to return to the island.

The seismograph station on Anatahan was still open to the island.

The first report indicated that data collection was working, but good quality data. Wiens got the good news. "They got all the volcanic ash off our instruments. They didn't find it by being prospecting (on the island, but we should return to the island."

For the first time in history, the seismograph station on Anatahan was hit by an erupting volcano, but it continued to be open to the island.

The team had been working to develop the station, the first EMO station on the Marianas.

The EMO station had been installed on the island for several days. It was still possible to receive data, but to the island. The team had to work in hand and to plan for the repair of an extended real-time transponder system.

While much analysis remains to be done, White is optimistic that data captured by the station's seismographs could eventually help develop an eruption early warning system for the Marianas.

The volcanic ash had blown from the Marianas to the Marianas, but it was not dusted last day due to a lack of funding. The station's transponder system for the NFI experiment site was damaged, and the EMO team did not capture vital data on the recent eruptions.

While much analysis remains to be done, White is optimistic that data captured by the station's seismographs could eventually help develop an eruption early warning system for the Marianas.

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Important: We have been supported by grants from the National Science Foundation and the National Institutes of Health. Our research is directed toward understanding the molecular basis of bacterial infection and inflammation.

The School of Engineering & Applied Science at Washington University in St. Louis houses one of the largest engineering faculties in the nation, with more than 1,000 faculty and staff. The faculty includes many first-generation engineers, as well as some who have achieved national recognition.

The School of Engineering & Applied Science offers a wide range of undergraduate and graduate programs, including a Bachelor of Science in Engineering (B.S.E.), a Master of Science in Engineering (M.S.E.), and a Doctor of Philosophy in Engineering (Ph.D.).

The School of Engineering & Applied Science also offers a variety of research opportunities for students, including internships, fellowships, and research grants. Many of these opportunities are funded by external sources, such as the National Science Foundation (NSF) and the National Institutes of Health (NIH).

The School of Engineering & Applied Science is committed to providing a high-quality education that prepares students for successful careers in engineering and related fields. We are dedicated to fostering a diverse and inclusive community of students, faculty, and staff who are passionate about engineering and committed to excellence.

Thank you for your support of the School of Engineering & Applied Science. We look forward to continuing our work together to advance the field of engineering and create a better world.
Koff named director of Educational Skills Initiative

Robert H. Koff, Ph.D., has been named director of the Educational Skills Initiative in the office of the vice chancellor for faculty development, announced James E. McLeod, vice chancellor for faculty development and dean of the College of Arts & Sciences. Koff was cited "for pioneering development of computational fluid dynamics methods and codes for the aerospace industry, for developing innovative teaching methods and materials in law and courts," is supported by University and then as a faculty member at Stanford University. Three he participated in the Study of Undergraduate Education at Stanford, assisted in establishing the Stanford Summer Seminar Program, and assisted in the design of surveys to assess the effectiveness of these and other in- structions.

Koff named a bachelor’s degree in psychology from the University of Chicago, 1966, and a doctorate in clinical psychology from the University of California in California and is affiliated with the National Council for the Registry of Health Services Providers.

Koff has authored or co-authored three books and more than 160 scientific articles and monographs. His most recent book was New Ways of Paying for College, co-authored with Arthur Haasprin in 1991.

Campus Watch

July 19
9:25 a.m. — A Freshman Summer Academy student reported that between 3:8:30 a.m., an unknown person entered his unsecured room in Hanford Residence Hall and took his Black Gap tote containing his Sony laptop computer. Total loss is estimated at $5,000.

July 21
9:17 a.m. — A student working in the Power Plant reported that between 6 p.m. July 19 and 10:30 a.m. July 21, an unknown person stole his laptop carrying case from under his desk. Total loss is estimated at $50.

July 24
11:57 a.m. — A person reported that between 5 p.m. July 21 and 11:57 a.m. July 24, his license plates on his vehicle, which was parked in Millbrook Parking Garage.

July 31
2:40 p.m. — A decorative concrete bench was destroyed in front of the Women’s Building. Estimated replacement cost is $2,500.

Additionally, University Police responded to six reports of property damage, seven reports of lost or stolen property, two auto accidents, and one report each of lost article, assault, fugitive arrest and disturbance.

Record

Washington University in St. Louis

Anne M. Effect and Interest Groups, 1992, and the Distinguished Achievement Award from the St. Louis Chapter of the American Public Relations Association, 1991.

Ms. Klein reported in the Washington University in St. Louis Record, Monday, August 11, 2003. Published by the Office of University Communications at the University of Missouri, St. Louis.

Leicht wins Frank L. Ashmore Award for service to CASE

The Council for Advancement and Support of Education (CASE) recently named Jolene Leicht, associate vice chancellor and executive director of University Communications, the recipient of the 2003 Frank L. Ashmore Award for service to CASE and the advancement profession.

Leicht is being recognized for her work as a CASE volunteer, including her tireless efforts as a mentor for her peers. She has helped CASE develop a new leadership program that trains CASE staff in the profession’s basic skills, including communication and fundraising.

The Ashmore Award is named in honor of Frank L. Ashmore, a Chicago-based executive director of the American College Testing Service, who is a predecessor organization of CASE.

CASE's membership includes more than 1,000 universities and independent K-12 schools in the United States, Canada, Mexico, and 42 other countries. CASE is the largest nonprofit education association in the world.

Leicht has served as the chief executive officer of Dartmouth College. She is a member of the CASE International Board of Trustees and was named a CASE Distinguished Alumna by the CASE International Board of Trustees in 1999.

Leicht was also named a CASE Distinguished Alumna by the CASE International Board of Trustees in 1999.

Leicht is a graduate of the University of Missouri-Columbia and the University of Illinois at Urbana-Champaign. She received her master's degree in journalism from the University of Missouri-Columbia and her bachelor's degree in English from the University of Illinois at Urbana-Champaign.

Unveiling insulin insights

The research of Michael M. Mueckler explores epidemic diseases such as obesity and type II diabetes.

By DARRELL E. WARD

Molecular biologist, and he's learned from it each time. The experience has helped him achieve an international reputation for innovative work in the areas of sugar metabolism and diabetes.

Mueckler, a childhood friend of Ronald Reagan, was born in Racine, Wisconsin. His father, a machinist, died of diabetes just before he was born. Mueckler credits many senior investigators in his lab for helping his career along the way, including Stahl and Permutt, who mentored him for helping his career along the way. Unlike other top medical schools, Washington University nurtures and supports young faculty. Mueckler says, "It's not the sink-or-swim policy that exists at some universities. At Washington University, department chairs and division heads, for the most part, work hard to help young investigators in their research. Mueckler credits many senior faculty for helping his career along the way, including Stahl and Permutt, who mentored him.

"Mike is able to look at the research that everybody is doing, understand its importance and develop clever new ways to approach the question, and he does all this with enormous energy and enthusiasm. He's a marvelous scientist and a great colleague." ALAN PERMUTT

Mueckler's interest in science was piqued as a child by his parents, who taught him to love nature and the outdoors. He was later drafted as a pitcher by the New York Mets but gave up baseball to pursue his passion for science. He learned from it each time. The experience has helped him achieve an international reputation for innovative work in the areas of sugar metabolism and diabetes.

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