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KCALSI @ A GLANCE

Stay informed about life sciences!

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SPECIAL NOTE: This is the last issue of the KCALSI Bulletin that will be mailed. To reduce costs and our environmental footprint, future Bulletins will be placed on our website where you can download them.

If you would like to be notified when new Bulletins become available, contact Sharon Newman at snewman@kclifesciences.org to add your name to our email list.

LIFE SCIENCES CALENDAR



KCALSI ANNUAL DINNER
April 21, 2010

OUR MISSION

To coordinate the regional life sciences initiative by:

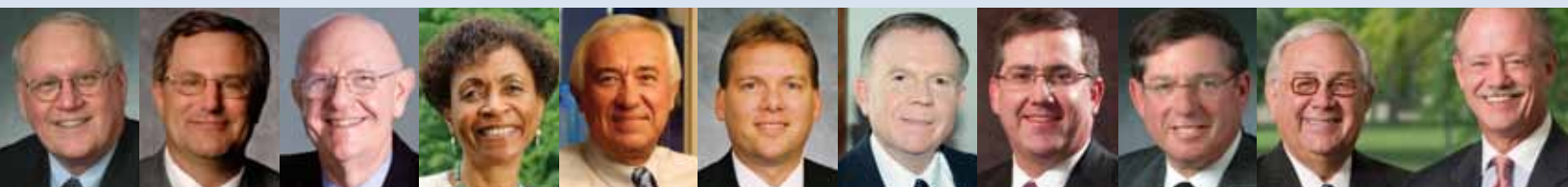
- Fostering and solidifying relationships between the academic and private sector life sciences communities*
- Assisting collaborative research efforts through identification and qualification of funding opportunities, proposal review facilitation, resource allocation, and maintaining accountability*
- Overseeing and managing fundraising and marketing activities*
- Assisting in life sciences advocacy efforts at the local, state, and national levels*
- Providing support to economic development and technology transfer/commercialization organizations.*

STAKEHOLDER INSTITUTIONS

- Children's Mercy Hospitals and Clinics*
- Kansas City University of Medicine and Biosciences*
- Kansas State University*
- Midwest Research Institute*
- Saint Luke's Hospital*
- Truman Medical Centers*
- University of Kansas-Lawrence*
- University of Kansas Medical Center*
- University of Missouri*
- University of Missouri-Kansas City*

Regional Leadership Update

The Kansas City region extends its appreciation to several retiring legendary leaders who helped put Kansas City on the map as a center for life sciences research and development. The region benefitted greatly from their leadership and anticipates continued momentum as their successors take on this endeavor.



Pictured, left to right: William P. Duncan, Ph.D., Daniel P. Getman, Ph.D., Robert Hemenway, Ph.D., Bernadette Gray-Little, Ph.D., James L. Spigarelli, Ph.D., Michael F. Helmstetter, Ph.D., Jon Wefald, Ph.D., Kirk H. Schulz, Ph.D., Pete Levi, Tom Bowser and David Gentile

KANSAS CITY AREA LIFE SCIENCES INSTITUTE

KCALSI President Bill Duncan announced his retirement during the April 2009 Annual Dinner and Dan Getman was introduced as the incoming President.

Duncan was the organization's first president after it was founded in 2000 and has contributed to the region's growth in the life sciences arena in countless ways. In 2001 he led the collaboration to establish the Kansas City Proteomics Consortium, securing \$5.2 M in federal funds for research equipment. He established the Institutional Advisory Committee comprised of ten scientific leaders from the key stakeholder institutions. Duncan also launched the Research Development grant program that provides \$50K grants to collaborative researchers at stakeholder institutions. The program has awarded \$1.8M to-date and typically delivers an 8:1 return in future grants. He was responsible for KCALSI being designated as the regional Center for Excellence responsible for distributing grants from the Missouri Life Science Trust Fund, resulting in \$2.5-\$3.0M in research grants to regional institutions per year.

Duncan supported the Missouri Biotechnology Association and served as Chairman of the organization's Board of Directors, and later co-sponsored the formation of KansasBIO - both state branches of the international Biotechnology Industry Organization. He coordinated the overall KCALSI Strategic Planning process and welcomed Kansas State and the University of Missouri as new stakeholder institutions.

He was instrumental in establishing the Animal Health Corridor and in identifying and coordinating early efforts around the National Bio and Agro-Defense Facility (NBAF). He continued to work toward securing the facility by supporting the Kansas application, led by Kansas State and the Kansas Bio-

science Authority, ultimately resulting in the successful selection of Manhattan, KS as the home for NBAF.

KCALSI Board Chairman Irv Hockaday, Jr. noted that "Bill works quietly; he builds trust; he doesn't seek credit; he gives that to others. There is no better definition of leadership. Bill Duncan's contribution to all of us and our region is both exceptional and enduring."

Dan Getman joined KCALSI in April, 2009 with more than 27 years experience in pharmaceutical R&D with Monsanto, Searle, Pharmacia and most recently, Pfizer.

UNIVERSITY OF KANSAS

Robert Hemenway ended his 14-year tenure as chancellor of the University of Kansas on June 30, but will remain at KU to teach and write. Bernadette Gray-Little was named the 17th chancellor of KU by the Kansas Board of Regents and she began her service on August 15.

Gray-Little takes over a university that made significant gains in academics, research and service under Hemenway's leadership. KU's research expenditures more than doubled under his watch, reaching \$297.4 million in FY 2008. At any one time, between 1,500 and 1,800 KU faculty, staff and students are working on externally funded research projects. This growth was possible thanks to significant investments in research facilities in Lawrence and at the KU Medical Center in Kansas City, where the focus is on obtaining National Cancer Institute designation for the cancer center. Hemenway was also responsible for the 1998 initiative to create the KU Hospital Authority, which has enabled its recent successes.

Prior to being named chancellor, Gray-Little served as executive vice chancellor and Provost of the University of North Carolina at Chapel Hill. She began *Continued, page 2*

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One World. One Health.

Leaders across the Kansas City region met June 18 to discuss an action plan to collaboratively address key concerns related to zoonotic diseases.

It is increasingly recognized that the convergence of people, animals, and the environment creates a dynamic in which the health of each group is closely connected and dependent on the others. Emerging zoonotic diseases, food- and water-borne diseases, and environmental changes pose increasing threats to the interactions of people and animals. The One Health Initiative was created with the goal of optimizing health for people, animals, and the environment around the world.

One Health is a call to collaboration and cooperation among health science professions, academic institutions, governmental agencies, non-governmental organizations, and industry toward improved assessment, treatment, and prevention of cross-species disease transmission at the local, national and global levels.

On June 18 the Kansas City Area Life Sciences Institute and the One Health Joint Steering Committee sponsored a One Health Roundtable at the Stowers Institute for Medical Research. The purpose of the roundtable discussion was to:

- Raise awareness of the One Health initiative to a wider range of people and institutions in the Kansas City region
- Provide feedback to the One Health Commission and its future agenda
- Highlight the region's capabilities, interest and leadership in the One Health area
- Begin to establish connections for potential future collaborations.

Approximately 40 people attended the roundtable discussion. Those present included: Leadership from the KC Animal Health Corridor; academic institutions, regional hospitals, governmental agencies; non-governmental institutions; and other regional leaders.

Regional assets were highlighted including current examples of collaboration and potential involvement with the One Health Initiative was discussed. The region's goal is to leverage existing collaboration and strengths to link various "One Health" centers.

For more information on the One Health initiative, please visit www.onehealthcommission.org.



*Left to right: **Larry R. Anderson**, DVM, MD, AMA Representative, One Health Initiative Task Force; **Daniel P. Getman**, Ph.D., President, Kansas City Area Life Sciences Institute; **Roger K. Mahr**, DVM, Project Director, One Health Joint Steering Committee; **William P. Duncan**, Ph.D., Retired President, Kansas City Area Life Sciences Institute; **Lonnie J. King**, DVM, MS, MPA, Director, National Center for Zoonotic, Vector-Borne, and Enteric Diseases, Centers for Disease Control and Prevention*

Approximately 75 percent of newly emerging human infectious diseases originate in animals.

Of the 1,461 diseases now recognized in humans, 60 percent are due to multi-host pathogens that affect multiple species.

Poor environmental health may affect human and animal health through contamination, pollution, and conditions conducive to the emergence and survival of new infectious agents.

Given the rise of antibiotic resistance, there is a need for a holistic approach and a better understanding of resistance related to the use of antibiotic drugs.

The spread of food-borne and water-borne diseases threaten human and animal health around the world.

REGIONAL LEADERSHIP UPDATE: *continued from page 1*

her academic career at UNC, initially serving as a psychology professor and then moving into a succession of leadership posts in the university.

MIDWEST RESEARCH INSTITUTE

James L. Spigarelli, President and CEO of Midwest Research Institute, will retire Oct. 1, subsequently assuming the role of vice chairman for MRI's board of directors. Michael F. Helmstetter PhD, executive vice president and director of research operations, will succeed Spigarelli.

Spigarelli started at MRI in 1970 as an associate chemist and has been its CEO for nine years. He gained a national reputation for his work in chemical defense and treaty verification. Under his leadership the institute has grown to a nearly \$500M not-for-profit scientific research institute.

Dr. Helmstetter joined MRI in 1999 as director of its then-new Florida division. Helmstetter has more than 20 years of experience in research and laboratory management. He also will oversee MRI's newest subsidiary in Kansas.

KANSAS STATE UNIVERSITY

The Kansas Board of Regents announced that President Jon Wefald would retire after 22 years of service and that Dr. Kirk H. Schulz would assume the role of president.

Wefald was instrumental in increasing the university's enrollment, building a new library and art museum and raising \$100M for the University. During his presidency, the university constructed a new biosecurity and research institute and laid the ground work for collaboration with the new National Bio and Agro-Defense facility. Wefald will remain on campus as a part-time professor of leadership studies and history.

MRI Expands to Kansas

Midwest Research Institute opened a new subsidiary in Manhattan, Kan., this past April to boost research efforts in animal health, biosecurity and renewable energy.



The wholly-owned subsidiary, Midwest Research Institute-Kansas LLC, is housed on the campus of Kansas State University at its Innovation Center. MRI-Kansas will initially focus on animal health nutrition, medicine and the commercialization of related technology and health products.

MRI and K-State also will form a new collaborative entity to facilitate research relevant to the National Bio and Agro-Defense Facility (NBAF) that will be built on the Kansas State campus in 2015. This new MRI/KSU venture will focus on jump-starting NBAF research, development, testing, and evaluation at Kansas State's Biosecurity Research Institute and on providing biocontainment management and operations services under an agreement with the Kansas Bioscience Authority.

Finally, MRI-Kansas will align its energy research efforts with Kansas State to collaborate on advanced energy research and accelerate technology commercialization.

Michael Helmstetter, MRI's current executive vice president and director of research operations, was named president of the Kansas subsidiary. He also will become president and CEO of the overarching institute in October, when James Spigarelli retires.

Photo, above left: MRI's "open pond" raceway cultivation system includes two open pond raceway channels, each 40 feet long and 4 feet wide, with a combined capacity of 8,000 gallons of water. The "open pond" raceways are currently producing approximately 330 pounds of dry algal biomass per month with projections to increase biomass output with new R&D improvements.

Photo, above right: MRI's closed loop photobioreactor provides a pilot scale algae production enclosed in a greenhouse to allow for year-round testing.

MRI, KANSAS STATE UNIVERSITY AND BURNS AND MCDONNELL RECENTLY SIGNED A "BIOTROLEUM ALLIANCE" TO DEVELOP AND DEPLOY ALTERNATIVE ENERGY TECHNOLOGIES GEARED TOWARD CARBON MITIGATION AND ENERGY EFFICIENCY.

Schulz assumed his role as president on July 1. He was formerly the vice president for research and economic development at Mississippi State University.

GREATER KANSAS CITY CHAMBER OF COMMERCE

Pete Levi, president of the Greater Kansas City Chamber of Commerce for the last 19 years, will retire Dec. 31. Levi launched a significant rebranding effort for the Chamber, encouraging an enhanced online presence and a program expansion targeting diverse and younger members. He pushed environmental consciousness, talent retention and global competitiveness – all things designed to keep Kansas City in the race to attract and retain the best and brightest workers. The search for Levi's successor is under way.

BLUE CROSS AND BLUE SHIELD

Tom Bowser will retire from his role as CEO of Blue Cross and Blue Shield of Kansas City at the end of 2010 and David Gentile will assume his role. Bowser is taking a more active role in national health care reform issues in Washington, D.C. while serving as Chairman of the national Blue Cross and Blue Shield Association through 2010. The Association is composed of 39 independent Blue Cross and Blue Shield Plans with \$300 billion in revenue and 102 million members.

Bowser started with Blue Cross and Blue Shield of Kansas City in 1969 and has been president and CEO since 2001.

David Gentile started with the company in 1991 and currently serves as BCBSKC's President and CEO-Elect.

WORKFORCE DEVELOPMENT & SCIENCE EDUCATION

Preparing tomorrow's work force

As the Kansas City region grows its various bioscience industries it's also working to grow its pool of qualified workers. In addition to working with area universities, the region is also working with area high schools to prepare students for careers in math and science.

SUMMER SCHOLARS ACADEMY

Nearly 80 incoming Southwest Early College Campus (ECC) ninth-grade students earned their first college credit this summer at the Summer Scholars Academy at the University of Missouri-Kansas City.

The three-day academy was created last year to introduce Southwest ECC students to the collegiate environment and to experience college life. During the academy, students attended math and chemistry classes taught by UMKC professors and master teachers and even had the opportunity to make aspirin in UMKC's Chemistry Lab. The experience was not all about academics, as students were able to use the university's swimming pool, exercise facility, and attend a Shakespeare-in-the-park production.

The Summer Scholars Academy was designed and implemented for Southwest Early College Campus through a partnership of six community partners: The Kansas City, Missouri School District, PREP-KC, UMKC, the Kansas City Area Life Sciences Institute (KCALSI), Donnelly College and the Woodrow Wilson National Fellowship Foundation.

Southwest ECC is an open-enrollment early college school in the Kansas City, Missouri School District (KCMSD) for grades 6-12. The school has a math and science emphasis, utilizing project-based curriculum with extended day and extended year opportunities, to accelerate learning. Southwest ECC prepares Kansas City's urban youth to successfully complete a four-year college degree and pursue rewarding careers in math, engineering, technology and science (METS), using a project-based curriculum with extended day and extended year opportunities.



ANIMAL SCIENCES PROGRAM

The Olathe School District and Kansas State University are collaborating to offer a special, hands-on animal sciences program to Olathe high school students this fall. The curriculum combines science course work with extended learning experiences through the Kansas City Animal Health Corridor. Students will have the opportunity to work alongside Kansas State researchers and industry leaders. The program will also introduce students to the broad range of career choices in the animal sciences industry.



Institute for Neurological Disorders

Few diseases carry the impact of neurological disorders. More than one in three individuals suffer from neurological disorders in their lifetime. They affect people from birth to old age. As scientists prolong the lifespan by conquering other diseases such as cancer and heart disease, the incidence of neurological disorders is rapidly increasing.

The Virtual Institute for Neurological Disorders was created on the campus of the University of Kansas Medical Center in March to translate research discovery into medical advances for preventing and curing nervous system diseases. The institute focuses on six specific neurological disease areas: Brain injury and repair; neuromuscular and movement disorders; neurodegenerative disorders, hearing and equilibrium disorders, women's pain division and cognitive and behavioral health.

The Institute for Neurological Disorders is a regional enterprise that takes advantage of considerable strengths in basic and clinical neuroscience within the greater Kansas City region. It promotes collaborations among more than 140 members from more than seven outstanding area institutions.

To learn more, please visit www.indkc.org.

BAYER HEALTHCARE ANIMAL HEALTH DIVISION



Bayer HealthCare's Animal Health Division, based in Shawnee, KS, has a strong and consistent scientific commitment to finding solutions that protect and care for the health and well-being of pets and livestock, and cure them of disease.

The company's dedication to tackling current animal health challenges and anticipating the industry's future needs has led to a long partnership with the Kansas City Area Life Sciences Institute. From KCALSI's inception in 2000, Bayer Animal Health has worked to fund and lead some of the major initiatives that make Kansas City a leader in science and research.

Bayer recently deepened its commitment to KCALSI by giving an additional \$50,000 grant to expand the Kansas City Science Initiative, which helps teachers develop hands-on curriculum to encourage more than 17,000 students in 40 area schools learn about science the way scientists do – by doing it. Bayer's grant will help double the number of students and teachers the Initiative is able to reach and will allow KCALSI to purchase additional curriculum materials. Bayer Animal Health enabled the creation of the Kansas City Science Initiative in 2006 by giving a \$150,000 seed grant that helped KCALSI generate more than \$1.8 million in funding to launch the program.

"The Kansas City Area Life Sciences Institute plays a very vital role in the ongoing vibrance of the life sciences community here in Kansas City," said Joerg Ohle, President and General Manager of Bayer Animal Health. "Our strong partnership with KCALSI reflects Bayer's commitment to the Kansas City community and to helping educate the next generation of scientists."

As chairman of the Kansas City Animal Health Corridor Advisory Board, Ohle has helped bring together community and industry partners to position Kansas City as a major hub of animal science and technology innovation.



Joerg Ohle, Ph.D.

In addition to the Animal Health Corridor and the Kansas City Science Initiative, Bayer Animal Health is also a major sponsor of KCALSI's annual dinner, which this year featured a keynote address by Frank Douglas, Ph.D., M.D., a senior fellow at the Kauffman Foundation.

Bayer's continued involvement with KCALSI programs helps ensure that Kansas City maintains its momentum as one of the foremost destinations for life sciences research and business.

KCUMB – KANSAS CITY UNIVERSITY OF MEDICINE AND BIOSCIENCES



KCUMB's name reflects an ever-broadening mission in educating physicians, scientists and health-care leaders. A private university comprising a College of Osteopathic Medicine founded in 1916 and a College of Biosciences, KCUMB is the oldest medical school in Kansas City and the largest in Missouri.

The organization is committed to educating highly qualified students in osteopathic medicine and the life sciences, with its core mission focused on preserving and renewing human life. Mary Pat Wohlford-Wessels, Ph.D., executive vice president for research and institutional effectiveness and guest speaker at the MOBIO Benchmarking Tour in July, spoke to 18 Missouri legislators about the key thrusts of the University—education, research and service to the community-at-large.

KCUMB faculty are engaged in ongoing research projects that represent research related to teaching and learning, service through the local Score 1 and international programs as well as basic science research and clinical service delivery with plans to move clinical research out into the community through a distributed model.

Often university medical school research does not include cadaveric research but KCUMB anatomy fellow Chris Surek's nerve mapping has been well received. His research may result in application of techniques used by surgeons that may reduce complications which could cause nerve damage.

With the addition of the College of Biosciences in 2004, KCUMB not only contributes to the infrastructure of the biosciences industry in the Greater Kansas City area but for those who continue on to medical school, they will have a broad research experience on which to apply their bench to bedside education.

In fall 2009, a series of courses were included in the medical school curricula, and KCUMB is hopeful to award a certificate in research to those students who complete the coursework successfully in addition to their medical school didactics. Courses include research design and methods; statistics and quantitative methods; ethics, and applied research.



Mary Pat Wohlford-Wessels, Ph.D.

Partnering is powerful. Collaboration with institutions of national presence is also paramount to increase the exposure of KCUMB faculty and students to prominent ongoing research conducted elsewhere.

In addition, Wohlford-Wessels stated during her presentation, "Medical schools can be state partners in designing and supporting clerkship training programs in Missouri, enabling rural and hard-to-staff areas to keep those trained in the state to practice in the state—all of which will have a significant impact on the economy of Missouri and the health of its citizenry."



2009 BIO Benchmarking Tour - Kansas City and St. Joseph Component

The Missouri Biotechnology Association hosted fourteen Missouri State Legislators for the 3rd Annual BIO Benchmarking Tour on July 26 -30th.

The Tour kicked off on July 26-27 in St. Joseph and Kansas City, with subsequent visits in Warrensburg, Columbia and St Louis. Regional leaders met with the delegation on Sunday, July 26 and on Monday, July 27. Included in the St. Joseph component were visits to Boehringer Ingelheim Vetmedica, Inc., Nestle Purina, and the Kit Bond Sciences and Technology Center. Included in the Kansas City briefings was a visit, with accompanying tour, to the UMKC Health Sciences Building and Stowers Institute for Medical Research, and a total of 10 speakers who highlighted our regional life science efforts.

The 2009 Class included Senator Jim Lembke and Representatives Ellen Brandom, Michael Brown, Chuck Gatschenberger, Jeff Grisamore, Denny Hoskins, Jeanne Kirkton, Cole McNary, Chris Molendorp, Jeanie Riddle, Jill Schupp, Mary Still, Gina Walsh and Stephen Webber. The delegation was also accompanied by representatives from Governor Jay Nixon's office, the Missouri Technology Corporation and the Missouri Department of Economic Development.

The BIO Benchmarking tour is a non-partisan legislative education and fact-find tour that promotes engagement between Missouri's policymakers and the state's biotechnology leaders; broadens awareness of biotechnology's economic impact across Missouri; shares experiences from other states engaged in the biotechnology sector; and, ultimately, sustains informed, open dialogue to facilitate bi-partisan development for strategic, long-term and sound public policy. The second phase of the program will take the legislators to Winnipeg and Saskatoon, Canada. This phase will demonstrate how a pro-business, pro-science climate drives real economic opportunity and security amid today's highly competitive global marketplace.

Region Well Represented at BIO

Business Facilities magazine ranked Kansas ninth in the nation for its biotechnology strength.

Kansas City's two-state region knows how to muster its creativity and stand out from a crowd – an asset you can't do without when you're trying to attract bioscience investors at the world's largest annual event for the biotechnology industry. Both Missouri and Kansas participated in the BIO International Convention in Atlanta this past May.

Missouri's theme was "Built for Biotechnology." The state focused on the several hundred million dollars global bioscience organizations are pouring into the state for bricks-and-mortar biotech projects. Missouri's pavilion featured a towering construction crane and draftsman-outfitted kiosks. It also had several interactive elements and was stocked with LCD monitors displaying high-energy presentations of the state's assets. Students from St. Louis Community College also attracted crowds with their live DNA-extraction demonstrations.

KansasBio's 2009 theme at BIO was "Sky High Bio: Soaring to new heights in the biosphere." Convention guests flocked to the Kansas Pavilion where the main attraction - a state-of-the-art flight simulator - allowed Kansas to convey the message that it is no longer "fly over" country. College students from Kansas handed out BioBucks touting the state's \$581M bioscience initiative, highlighting Kansas' position as a top 10 bioscience state, and celebrating Kansas' hard-earned victory in winning the National Bio and Agro-Defense Facility.

Beyond the show room flow, Missouri and Kansas also hosted a Blues and Jazz reception and breakfast to reconnect with its most promising bioscience business and research prospects from around the globe.



UMKC researchers offer clues to sleep disorders

Researchers at the University of Missouri – Kansas City studied the circadian rhythms or “internal clocks” of fruit flies and uncovered an important clue that may lead to a greater understanding of sleep disorders in humans. In addition, they showed that the sleep-regulating enzyme (DBT protein kinase), which is a key component of the “cellular machinery” that regulates circadian rhythms could be a target for drugs that may potentially alleviate the circadian problems that lead to seasonal affective disorder (SAD), insomnia, and possibly some cancers. The study is published in the January 2009 issue of *Genetics*.

UMKC scientists discover muscle-repairing gene

Researchers at the University of Missouri-Kansas City School of Nursing and the Robert Wood Johnson School of Medicine have identified a previously unreported gene that may hold great potential in promoting the repair of damaged muscle. The gene, Mitsugumin 53 (MG53), participates in and promotes acute muscle repair, working in concert with free radicals (oxidation) to promote tissue repair. According to the researchers the reparative qualities of MG53 provide a completely new model for exploring possible treatments for muscle and cardiovascular diseases, including muscular dystrophy, cardiomyopathy and age-related muscle deterioration. Results of the study are published in the December issue of *Nature Cell Biology*.

Proteon Therapeutics gets another \$12M in venture capital

Devon Park Bioventures and Bessemer Venture Partners recently invested nearly \$12M in Proteon Therapeutics Inc. Proteon has now received \$84M in venture capital. The company, founded in Kansas City, is developing a blood vessel-dilating drug. One of the main treatment benefits of the drug is to help establish and maintain access points for dialysis patients. The Federal Drug Administration also gave the drug “orphan drug” designation, which now allows it to receive certain tax credits and an extended period of data exclusivity.

BioMed Valley gives \$2.3M each to KU, UMKC

The University of Kansas and the University of Missouri-Kansas City each received \$2.3M in May from Biomed Valley Corp. to create endowed chairs for life sciences. BioMed is an affiliate of the Stowers Institute for Medical Research and owns the for-profit BioMed Valley Discoveries, Inc.

NIH awards biomedical research group \$18.5M

Kansas IDeA Network of Biomedical Research received \$18.5M from the National Institutes of Health in May. The research group is based at the University of Kansas Medical Center. It was created in 2001 to create a “critical mass” of biomedical investigators that could compete for NIH grants. The group has received \$44.2M thus far in federal monies.

UMKC fundraising foundation approved

The University of Missouri Board of Curators approved the newly formed University of Missouri-Kansas City Foundation to raise private funds on behalf of UMKC. Murray Blackwelder will serve as president of the new foundation. He previously led a \$1.7B fund-raising campaign for Purdue University.

Pet owners give MU Vet School \$1M

David and Gloria Lowell committed \$1M of their estate to fund scholarships for veterinary students at the University of Missouri in Columbia. The Lowells brought their dog, Goldi, to MU for cancer treatment in 2003. They were very impressed by the faculty, staff and students at MU. The gift will fund two scholarships. One for veterinary medicine students who study oncology and the other for students interested in the animal-human bond.

KBA Commits \$75.5M to researchers, businesses

The Kansas Biosciences Authority plans to commit an additional \$75.5M to bioscience researchers and businesses in the next year. This investment would bring total commitments by the authority to \$227M.