



NEWS ABOUT UB'S SCHOOL OF MEDICINE AND BIOMEDICAL SCIENCES AND ITS ALUMNI, FACULTY, STUDENTS AND STAFF

W I N T E R 2 0 0 7

Pathways

Auerbach Receives Second Javits Award

Anthony Auerbach, PhD, professor of physiology and biophysics in the School of Medicine and Biomedical Sciences, has received a \$4.63 million Jacob Javits Award in the Neurosciences. The seven-year



Auerbach

grant is the second such award for Auerbach, who received his first, for \$2.7 million, in 2000.

AUERBACH HAS CONDUCTED HIGHLY REGARDED RESEARCH IN CELL COMMUNICATION AND SYNAPSES FOR 18 YEARS.

The Jacob Javits Award in the Neurosciences is given to distinguished investigators who have a record of substantial contributions on the cutting edge of some field of neurological science and who can be expected to be highly productive for a conditional seven-year period, according to the award announcement.

Auerbach has conducted highly regarded research in cell communication and synapses for 18 years. His work centers on investigating the molecular processes

involved in protein activity in the nervous system and on how synaptic receptors are activated by their transmitters.

During the initial award period, Auerbach showed that changes in shape that occur in a receptor during activity are not smooth transitions from one form to another, but more jagged wavelike patterns of activity brought about by as many as 20 moving parts.

He now will study how the subunits that form the receptor work together and how the protein limits its receptiveness to signaling mechanisms.

Javits Award recipients are selected from a pool of competing applicants during a grant's cycle. Applicants are nominated by either the National Institute for Neurological Diseases and Stroke (NINDS) staff, or by members of the National Advisory Neurological Disorders and Stroke Council. The council must approve each recommendation, with the final selection made by the NINDS director.

—LOIS BAKER

Marzo and Bisson Join Sports Medicine

John M. Marzo, MD, and Leslie J. Bisson, MD, have joined the faculty of University Sports Medicine in the Department of Orthopaedics.

Marzo received his medical degree from the State University of New York Health Science Center at Syracuse, and in 1986 he completed a master's degree in anatomy and a basic science fellowship at UB. He then completed orthopaedic residency training at UB in 1990, after which he served a sports



Marzo

medicine and shoulder fellowship at the Hospital for Special Surgery, Cornell University Hospital Medical Center in New York City.

From 1991 to the present Marzo has worked as a team orthopaedic surgeon for both the Buffalo Bills and the Buffalo Sabres, and in 1995 was named medical director of the Buffalo Bills.

Marzo has worked as a team physician for the World University Games, the Pan-Am Games, the Olympic Training Center in Lake Placid, Marist College and Buffalo State College.

His specialties include sports medicine and arthroscopy, with subspecialty interest in shoulder surgery. In addition to his clinical responsibilities, he will teach anatomy and direct the Arthroscopy Lab for the UB Department of Orthopaedics.

Leslie Bisson graduated from The Johns Hopkins School of Medicine in 1991 and completed his residency in orthopaedic surgery at the Hospital for Special Surgery Cornell University Medical Center in New York City in



Bisson

1996. He then served a fellowship at the American Sports Medicine Institute in Birmingham, Alabama, with James Andrews, MD, and William Clancy, MD.

Bisson has been the medical director and a team orthopaedic surgeon for the Buffalo Sabres since 1997, as well as the team orthopaedist for Buffalo State College and orthopaedic consultant and team physician for the Buffalo Bills since 2002, positions he continues to hold.

Bisson specializes in sports medicine and general orthopaedic surgery, with interests in injuries of the knee, shoulder and elbow. **BP**

—TIMOTHY PALASZEWSKI

Cultural Competency Training

Program supported by \$604,000 NIH grant

PHYSICIANS TREATING REFUGEES and immigrant populations face a minefield of potential cultural gaffes. For example, they should not touch a Muslim man during the initial interview. A nod of the head may mean "no" instead of "yes" if the patient is Albanian. Among Latinos, the head of the family, not the patient, makes treatment decisions.

A \$604,000 federal grant from the National Heart Lung and Blood Institute, National Institutes of Health (NIH), to Kim S. Griswold, MD '94, MPH, associate professor of family medicine at the University at Buffalo, will help new and experienced physicians avoid such missteps.

Buffalo is a major refugee resettlement center, currently receiving refugees from Somalia, Iraq, Cuba, Burma, Sudan and Vietnam. In the past, the area's four resettlement agencies also served an influx of persons from Rwanda, Ethiopia, Congo, Kosovo and Bosnia.

During the next five years, Griswold and colleagues in the School of Medicine and Biomedical Sciences will develop and test patient-centered videos, called "patient voices," for use in teaching; consolidate a hodgepodge of existing cultural-competency projects into a cohesive educational program for medical students as well as residents and practicing physicians; and produce handbooks on cultural competency.

Griswold also hopes to establish a diversity executive council that will include representatives from all areas of the medical school to guide the effort.

"UB has a variety of medical training programs in diversity," says Griswold, "but there is no cohesive plan, and there isn't a mandated curriculum that emphasizes cultural awareness. We are working to make cultural-competency training more formalized."

Griswold initiated the volunteer Refugee Cultural Competency Training Program for medical students in 2001 with a grant from New York State Department of Health,

following a two-year pilot study. That program was carried out in two clinics serving refugees. The current training procedures will involve clinics at Jericho Road Family Practice in Buffalo, in conjunction with Journey's End Resettlement Agency, and at Niagara Family Health Center in Buffalo, in association with the International Institute/World Connect of Buffalo, Inc.

Additional investigators on the grant are Luis Zayas, PhD, research assistant professor, and Judy Shipengrover, PhD, research associate professor, both in the UB Department of Family Medicine. **BP**

—LOIS BAKER



Griswold



Cardiology Leader Joins UB and Kaleida



William E. Boden, MD

WILLIAM E. BODEN, MD, has been appointed professor of medicine and public health at UB, medical director of cardiovascular services at Kaleida Health, and chief of cardiology at Buffalo General and Millard Fillmore Hospitals.

Prior to coming to Buffalo, Boden served for six years as professor of medicine at the University of Connecticut School of Medicine and chief of cardiology at the Henry Low Heart Center at Hartford Hospital in Hartford, Connecticut.

A native of Western New York, Boden is an accomplished physician leader and clinician who has played significant leadership roles in directing multiple clinical research trials, nationally and internationally. He was study chair of a multi-center clinical research study (COURAGE Trial) funded by the U. S. Department of Veterans Affairs and the Canadian government that concluded in 2006 and involved over 2,280 angina patients randomized to coronary angioplasty and stenting versus aggressive medical therapy.

Currently he is study cochair of an NIH-funded study (AIM-HIGH Trial) under way in 62 U.S. and Canadian centers that is comparing two drug treatment strategies in 3,300 patients who have abnormally low levels of the “good” (or HDL) cholesterol.

Boden also participated in a recently concluded study conducted by researchers at the University of Connecticut and Hartford Hospital that found a little-used treatment option for heart attack patients reduces the risk of death by 61 percent. The *study, which was published in the August 2006 issue of *Clinical Therapeutics*, is the only one to date to prove the benefit of administering a low-dose of a

clot-busting drug before transferring heart attack patients from smaller, community hospitals to larger medical centers, where they can receive a balloon angioplasty to open a blocked artery and restore optimum blood flow to and from the heart.

“We feel that the results of this study potentially represent an important, life-saving advance in the treatment of heart attack patients, particularly for those who present to community hospitals without emergency angioplasty services,” says Boden. “Although angioplasty has been shown to be the preferred treatment method for heart attack patients, the benefits of this procedure can be diluted when there are long delays in triaging patients into the catheterization laboratory.

“By administering early clot-busting drugs that may open an occluded heart attack artery and restore normal blood flow to the heart while the patient is being transferred to an angioplasty center, the negative impact of these delays can be minimized.”

Boden earned his bachelor of science degree from LeMoyné College in Syracuse in 1970 and his medical degree from the State University at New York Upstate Medical Center in 1974. He completed residency training in 1977 at Boston University Medical Center, where he served as chief resident and teaching associate at University Hospital in Boston. From 1977 to 1979 he was a clinical fellow in cardiology at Tufts–New England Medical Center in Boston.

Positions he held subsequent to that include: assistant professor of medicine at Brown University School of Medicine (1979–1986), associate professor of medicine at Wayne State University (1986–1989), professor of medicine at Boston University School of Medicine (1989–1996), and professor of medicine and associate chair of the Department of Medicine at the State University of New York Health Science Center at Syracuse (1996–2000).

Boden is the recipient of numerous awards in clinical and teaching excellence including being named one of the Best Doctors in America 2005–2006 and selection in 2004 as one of the top cardiology physicians in Connecticut by both the *Connecticut Magazine* and *Hartford Magazine*. He is medically certified as a Diplomate of the American Board of Internal Medicine and in the subspecialty of cardiovascular disease. **BP**

—S. A. UNGER

**Researchers who collaborated with Boden on the study published in the August 2006 issue of Clinical Therapeutics include Craig Coleman, assistant professor of pharmacy practice, University of Connecticut; C. Michael White, associate professor of pharmacy practice; Raymond G. McKay, director of interventional cardiology research at Hartford Hospital; and Jeffrey Mather, senior analyst with Hartford Hospital’s Department of Research Administration.*

School of Public Health Establishes New Department Kozlowski to serve as chair, Giovino joins faculty

The School of Public Health and Health Professions has established a Department of Health Behavior and recruited a leader in the field to chair it.

Lynn T. Kozlowski, PhD, formerly professor and head of biobehavioral health in the College of Health and Human Development at Pennsylvania State University, assumed the post in September. Maurizio Trevisan, MD, dean of the School of Public Health and Health Professions, says Kozlowski’s hiring represents a major advance toward full accreditation for the public health school.

“An international leader in smoking cessation, he grew his former department at Penn State into one of the best in the country,” Trevisan says. “He will be a major asset to the university and the school, and we’re very excited to have him join our faculty.

“I look forward to working with Lynn as he develops the Department of Health Behavior here at UB, which will play a major role in our becoming a fully accredited school of public health.”



Kozlowski

Kozlowski’s primary interest is smoking and health. He has published more than 100 papers in the field, and research in that area will be a major component of the new UB department.

“Given the experts already at the Roswell Park Cancer Institute, Buffalo will be one of the strongest places in North America for tobacco research and the study of public policy issues on tobacco use,” Kozlowski says.

The UB Department of Health Behavior will offer curricula leading to MPH, MS and PhD degrees. “In five years, we plan to be one of the top graduate programs in health behavior in the U.S.,” he adds.

A graduate of Wesleyan University, Kozlowski holds two master’s degrees and a doctorate, the latter conferred

in 1975 from Columbia University. While at Columbia, he held a two-year National Science Foundation traineeship and a two-year New York State Herbert Lehman Fellowship.

He also spent a year at the University of Pennsylvania School of Medicine on a National Institute of Alcoholism and Alcohol Abuse postdoctoral traineeship.

Prior to his tenure at Penn State, Kozlowski taught at the University of Toronto for 10 years and was on the staff of the Addiction Research Foundation in Toronto for 11 years. He was head of the foundation’s Biobehavioral Research on Tobacco Use unit when he joined Penn State’s biobehavioral health faculty in 1990. He was named head of the department in 1993.

Currently, Kozlowski is recruiting faculty in the areas of physical activity/nutrition and health communication, and expects to recruit additional faculty next year.



Giovino

Gary A. Giovino, PhD, former director of the Tobacco Control Research Program at Roswell Park and an associate professor in UB’s Roswell Park Division, already has joined the new department as a full professor.

A graduate of the University of Notre Dame, Giovino holds a master’s degree in natural sciences epidemiology and a doctorate in experimental pathology epidemiology, both from UB.

Before joining Roswell Park, he spent 11 years as an epidemiologist at the Centers for Disease Control and Prevention’s Office on Smoking and Health, serving as chief of the office’s Epidemiology Branch for seven of those years. He also has held positions at the University of Rochester and the New York State Department of Health in Buffalo. **BP**

—LOIS BAKER

“GIVEN THE EXPERTS ALREADY AT THE ROSWELL PARK CANCER INSTITUTE, BUFFALO WILL BE ONE OF THE STRONGEST PLACES IN NORTH AMERICA FOR TOBACCO RESEARCH AND THE STUDY OF PUBLIC POLICY ISSUES ON TOBACCO USE,” KOZLOWSKI SAYS.



Multidisciplinary Biomedical Research

New faculty join Center of Excellence

Two scientists, both with well-established research programs and active entrepreneurial backgrounds, have been recruited to UB's New York State Center of Excellence in Bioinformatics and Life Sciences with \$1.2 million in Faculty Development awards from the New York State Office of Science, Technology and Academic Research (NYSTAR).

VIPIN CHAUDHARY, PhD, has been recruited from Wayne State University to the Department of Computer Science and Engineering in the School of Engineering and Applied Sciences, and Nejat Egilmez, PhD '86, has been recruited from the University of Louisville and its James Graham Brown Cancer Center to the Department of Microbiology and Immunology in the School of Medicine and Biomedical Sciences.

The grants were two of nine that NYSTAR awarded recently to assist institutions of higher education in New York State to recruit and retain world-class scientists, helping to ensure the continued long-term growth of the state's high-technology industries.

"I would like to congratulate the University at Buffalo for winning two prestigious Faculty Development awards," said Michael J. Relyea, executive director of NYSTAR. "These awards will help the university commercialize new technologies and create new jobs and companies in the region."

The NYSTAR funds provided UB with \$700,000 to recruit Chaudhary and to support his efforts to design and build a high-performance computing platform to enable both high-end medical computing and computer-assisted surgery.

UB also was awarded \$503,200 to hire Egilmez and to support his efforts to develop vaccines that will reactivate the human body's immune system to specifically recognize and target surface antigens in cancer cells.

"Drs. Chaudhary and Egilmez are two of the newest faculty recruits in the Center of Excellence, and both have track records for strong entrepreneurial activity," said Bruce A. Holm, PhD, senior vice provost and executive director of the Center of Excellence, at the time the recruitments were announced in early November. "The NYSTAR awards were extremely helpful in putting together the necessary recruitment offers."

Chaudhary, who joined the School of Engineering and Applied Sciences last fall, has expertise in computer-assisted

surgery, medical imaging and biomedical engineering. He recently established his own start-up technology company, Micass L.L.C., to support and market his computer-assisted neurosurgery software (for details about Chaudhary's research, see profile, opposite.)

The grants were two of nine that NYSTAR awarded recently to assist institutions of higher education in New York State to recruit and retain world-class scientists, helping to ensure the continued long-term growth of the state's high-technology industries.

BY ELLEN GOLDBAUM

Chaudhary also is known for his pioneering work in parallel and distributed computing, image processing, security and scientific computing. His research is funded by the National Science Foundation, U. S. Army Research Labs, Cray Research Inc., IBM and Ford Motor Company. He serves on the technical advisory boards of several private companies.

Egilmez is returning to UB and to Western New York, where he has family. He earned his doctoral degree from UB and served as a cancer research scientist in the Department of Microbiology and Immunology and in the Department of Immunology at Roswell Park Cancer Institute.

His area of expertise is in tumor immunobiology and his goal is to develop clinically feasible cancer immunotherapy strategies. In ongoing studies, he has discovered a method of generating permanent immunity to specific types of tumors and eradicating disease in certain types of laboratory mice.

At UB, Egilmez plans to begin stage-one clinical trials for the development of these cancer "vaccines" with support from TherapyX, a company he and a partner founded in Buffalo that is funded by a \$2.6 million award from the National Cancer Institute. **BP**

Real-Time Images of the Brain

Chaudhary develops tools and software to assist neurosurgeons

BY KEVIN FRYLING



PHOTO BY NANCY PARIKH

A S A SPECIALIST in high-performance computing, Vipin Chaudhary, PhD, says UB's growth in computer science and engineering, its New York State Center of Excellence in Bioinformatics and Life Sciences, and its Center for Computational Research provided the strong research infrastructure that brought him to the university last fall.

Chaudhary, associate professor of computer science and engineering, School of Engineering and Applied Sciences, uses high-performance computers to provide neurosurgeons with the up-to-date visual information required in the operating room to ensure successful surgical outcomes (see opposite page for related article).

"There's no reason, with today's technology, that surgeries should go on the way they do," he says.

Most operations on the brain are performed through a small cranial incision, he explains, which means MRI or computed tomography (CT) scans, not sight, provide neurosurgeons with the roadmap that leads them through the brain to remove a tumor. However, scans taken several hours before an operation do not match the real-world situation found in surgery, he says, because the loss of cerebrospinal fluid after an incision causes the brain to sink up to an inch in the skull.

A few hospitals use intraoperative MRI machines to scan after the incision, but these are expensive and require patients to remain on the operating table extra hours.

"The problem is that brain structures move," says Chaudhary. "And different structures move at different rates because the brain is not homogeneous."

The solution? He points to high-performance computers and software that are able to use pattern recognition and visual processing to render real-time images that predict structural shifts in the brain using pre-operative scans.

"The analogy I give is a GPS [global positioning system] in a car," says Chaudhary. "If you miss a turn, it doesn't keep continuing with the previous directions. It will re-route you to the destination. In the same way, if I take a tumor to be the destination, the planning system doesn't just pre-plan. It actually does planning on the fly."

At his previous institution, Wayne State University in Detroit, Chaudhary spearheaded a research team that created tools and software to assist neurosurgeons that now are being used at the Detroit Medical Center. He adds that similar trials could start in Buffalo within several months.

"The research team on the project included about 30 members," he explains. "We had electrical engineers, computer scientists, bioengineers and neurosurgeons." A \$3.3 million grant from the Michigan Life Sciences Corridor supported the project.

Collaborative projects and interdisciplinary research—hallmarks of life-science computing—are top priorities for Chaudhary, in terms of both professional practice and student education.

CONTINUED ON PAGE 30



Research Targets Viruses

BY ELLEN GOLDBAUM

\$8.3 million contract to develop new class of antiviral drugs

CUBRC* HAS BEEN AWARDED an \$8.3 million contract from the U.S. Department of Defense to support development of radically new drugs to treat a wide range of viral infections, from the deadly Ebola virus to the flu.

The Defense Threat Reduction Agency's award was announced recently at the University at Buffalo's New York State Center of Excellence in Bioinformatics and Life Sciences by Tom McMahon, CUBRC president, and chief executive officer; Bruce Holm, PhD, UB senior vice provost and executive director of the Center of Excellence; and U.S. Representative Thomas Reynolds.

The work involves researchers at CUBRC, the UB Center of Excellence,

hemorrhagic fevers of vital importance to biodefense that ultimately will combat all types of viruses.

"The CUBRC-UB-Prosetta team was in direct competition with many of the finest academic research institutions and commercial biotechnology companies in the world and clearly demonstrated it is not only on the playing field, but is playing to win," says Holm. "I don't think there is any better validation of the strategy we've been

Christopher Davis, MD, PhD, chief scientist, chief medical officer and director of medical biotechnology for CUBRC, will serve as the program director.

"Working in close collaboration with Prosetta Corporation, the CUBRC-UB Team will be able to harness a radically new approach to antiviral drug development that is based on a breakthrough in understanding the life cycle of viruses in an effort to deliver safe, effective, and

biodefense arena, with a background in drug research. "A key element of our proposal showcases the talents of UB experts, specifically Professors J. Iain Hay and Troy Wood from UB's Microbiology and Chemistry Departments, respectively.

"This program should not be construed as exotic research having little impact on the lives of the general population—nothing could be further from the truth," continues Davis. "The revolutionary aspect of our proposal is indeed the promise to expeditiously develop new antiviral drugs against any viral target, be it a human pathogen, animal pathogen or plant disease. Until now, this has been an onerous process, measured in years or decades. However, Prosetta's unique science, taken together with CUBRC's and UB's capability to support the development and testing cycle, changes all the norms and opens a new era in antiviral therapeutic development."

Iain Hay, PhD, Grant T. Fisher Professor of Microbiology in the School of Medicine and Biomedical Sciences and a member of the Infectious



Iain Hay, PhD, Grant T. Fisher Chair and Professor of Microbiology and Immunology at UB, is taking a lead role in the study.

All are agreed, it is the team's intention to pursue the collaboration between CUBRC, UB's Center of Excellence, and Prosetta to develop products that can be made here in Buffalo and thus directly benefit the Western New York region. **BP**

** CUBRC, an independent, not-for-profit, R&D Corporation, has recently expanded its facilities and operations to UB's New York State Center of Excellence in Bioinformatics and Life Sciences in downtown Buffalo. CUBRC partners with private companies and academic institutions to apply innovative research, rigorous testing and robust engineering to deliver cutting-edge science and technology solutions to its customers. Headquartered in Buffalo, CUBRC's primary objective is to generate technological and economic growth by convening scientists and engineers from its own staff, academia, and industry to form multidisciplinary teams that execute R&D programs in the areas of medical biotechnology, chemical and biological defense, information fusion, public safety, integrated security, and hypersonics.*

PHOTO BY DOUGLAS LEVENE

"THIS PROGRAM SHOULD NOT BE CONSTRUED AS EXOTIC RESEARCH HAVING LITTLE IMPACT ON THE LIVES OF THE GENERAL POPULATION—NOTHING COULD BE FURTHER FROM THE TRUTH," CONTINUES DAVIS. "THE REVOLUTIONARY ASPECT OF OUR PROPOSAL IS INDEED THE PROMISE TO EXPEDITIOUSLY DEVELOP NEW ANTIVIRAL DRUGS AGAINST ANY VIRAL TARGET, BE IT A HUMAN PATHOGEN, ANIMAL PATHOGEN OR PLANT DISEASE."

and Prosetta Corporation, a biotechnology company based in San Francisco.

The aim is to develop novel drugs for viral

methodically pursuing over the past five years to build a life sciences prominence in Western New York than this important competitive win."

novel broad-spectrum therapeutics for Ebola, Rift Valley Fever Virus and Lassa Fever Virus," says Davis, an internationally recognized leader in

Diseases Research Group at the Center of Excellence, says "It's quite a feather in our cap that Prosetta, based in close proximity to some of the nation's top medical schools in California, chose to work with CUBRC and UB on a broad range of therapeutic initiatives, including this contract."

CUBRC president and CEO McMahon adds: "The extraordinary strength of CUBRC's proposal was derived from the unique combination of CUBRC's leadership position in the biodefense market, the revolutionary science offered

by Prosetta Corporation and the powerful intellectual and infrastructure capital within UB and its partners."

Hay notes that "For years, we at UB have been exploring the idea that viruses can function like a kind of three-dimensional jigsaw puzzle. If something prevents all the pieces of the virus from assembling together correctly, then the virus will not be infectious."

He points out that his research group at UB specializes in seeking out new and lethal viruses overseas and studying tiny, noninfectious

particles of them on campus to determine how they work. Later steps of the research process that involve infectious viruses are restricted to government-certified labs at places like the Centers for Disease Control and Prevention in Atlanta and others.

"By the end of the two-year contract," Davis predicts, "our team will have identified molecules that disrupt the viral-assembly process in vitro and in cell culture. After that, more funding will be sought to conduct advanced development and testing, all the way up to clinical research."



CHAUDHARY CONTINUED FROM PAGE 27

In addition to working with neurosurgeons to sit in on actual surgical procedures, he established a program in scientific computing at Wayne State that taught computer-science students to work and communicate across disciplines. He received a \$2.9 million National Science Foundation grant to establish the program.

Although a member of academia since receiving a doctorate in electrical and computer engineering from the University of Texas-Austin in 1992, Chaudhary says his research perspective started to shift toward larger, multidisciplinary projects after he spent two years in the private sector in California beginning in late 1999. He served as chief architect at Corio Inc., an application service provider acquired by IBM in 2005, and as senior director of Cradle Technologies Inc., a high-performance microchip producer.

"After going to Silicon Valley, I'm thinking more as an entrepreneur," says Chaudhary. "I try to look toward a goal: to impact the community and the life of people."

Last year, Chaudhary established his own start-up technology company, Micass L.L.C., to support and market his computer-assisted neurosurgery software. Its development continues with other projects in the pipeline, among them making brain scans accessible via PDA to enable neurosurgeons to pre-plan operations remotely. Chaudhary has spoken to investors in the Midwest about his business and plans soon to start seeking venture capital in Buffalo and Western New York. **BP**

To read a full-length version of this profile and learn more about Vipin Chaudhary's research projects and goals, visit the Reporter, UB's faculty and staff newspaper, online at www.buffalo.edu/reporter/ and search "Chaudhary."

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In Memoriam

Mecca S. Cranley, PhD Dean of School of Nursing

MECCA S. CRANLEY, PhD, dean of the School of Nursing since 1991, died November 20, 2006, in the hospice unit at Sister's Hospital in Buffalo, surrounded by her family.

The cause was multiple myeloma, cancer of the bone marrow. She was 67.

Cranley was the university's senior dean when she stepped down from her position in November due to her illness.

Speaking for the university, President John B. Simpson, PhD, said the UB community was deeply saddened by Cranley's passing.

"She was a lovely person and extraordinary leader, and she will be sorely missed, both as a friend and colleague. Her passing is a tremendous loss for our academic community, but she has left a legacy of excellence, innovation, and vision that will have an enduring impact on UB's nursing school and the university at large. She has made a lasting difference in the lives of so many individuals here at UB and in our larger communities, and for that we are deeply grateful."

A native of Guthrie, Oklahoma, Cranley graduated from St. Mary's College in Indiana and earned master's and doctorate degrees from the University of Wisconsin. She held nurse instructor positions at hospitals in South Bend, Indiana, and in Tulsa, Oklahoma, and Oklahoma City, before joining the faculty

at the University of Wisconsin in 1972. She was professor and associate dean for academic affairs at the University of Wisconsin-Madison School of Nursing when she was recruited by UB.

During Cranley's 15 years as dean, the nursing school increased its enrollment through several innovative new academic degree and certificate programs and aggressively pursued research dollars. The school jumped from 73rd to 43rd among U.S. nursing schools in National Institutes of Health funding during her tenure.

Highly respected in her field, Cranley was a member of the board of governors of the Healthcare Trustees of New York State, a not-for-profit organization dedicated to strengthening the governance of New

York's nonprofit and public health-care facilities. She was active in the American Association of Colleges of Nursing, where she chaired task forces and authored the position papers on violence as a public health problem and on the place of the American with Disabilities Act in nursing education.

Cranley authored many articles and book chapters on issues related to maternal and child health, her specialty, and was a vocal advocate for the nursing profession. A member of the Commission on Nursing Education, she served on several committees and was an on-site evaluator of university-based nursing programs.

Cranley is survived by her husband, Edward, and their seven children: Martha Cranley (Larry Martin); Paul (Suzy), Patrick (Susan), Anne Cranley Higgins (Timothy), Elizabeth

Cranley, Philip (Gabriel), and Peter Cranley, and 15 grandchildren. **BP**
—LOIS BAKER

