Small cells are killed by chemotherapy drugs. The switch is found in a protein that blocks apoptosis known to treat cancer. Like most chemotherapy drugs, these are car- ove the body. They work by irreparably gum- tumors. The switch is found in a pro- that, when triggered, allows the drugs. The drugs are not killed by DNA-damaging do not trigger apoptosis in healthy, nondividing cells. It is not known why these drugs do not affect healthy cells. The standard answer is that tumor cells are dividing and normal cells are not," said Steve J. Weintraub, M.D., assistant professor of surgery, division of urologic surgery of medicine and cell biology and physi-ology. "But it's all in a day's work for a Our findings show that if Bcl- protein that blocks apoptosis known as How can to help the community in in which graduate students came togeth- Japan is a geological para-
Ceramics major Susannah Biondo (center), winner of the West End Arts Council's first Community Arts Student's garden art dedication Oct. 19, along with smaller vessels by workshop participants. Pictured around the table (from left) are Chris Willis, 11; Joshua Miller, 9; Matt Dahl, 12; and Cole Mayfield, 6.

Student's garden art dedication Oct. 19

BY LIAM OTTEN

Last spring, representatives of the Skinker/DeBaliviere neighborhood approached administrators and students in the School of Art about creating a temporary art installation somewhere in the Skinker/DeBaliviere neighborhood. "The rationale was twofold," said Susan Killenberg McGinn, executive editor of "Washington University in St. Louis," which the University has been publishing for the faculty, staff and friends of Washington University. Produced weekly in St. Louis, MO 63130. Periodicals postage paid at St. Louis, MO. Published for the faculty, staff and friends of Washington University. Washington University will be celebrating its 150th anniversary in 2003-04. The Board of Trustees met, heard a report from Wrighton and from the Board's standing committees. Wrighton noted many achievements and accomplishments for which the University has been recognized in recent months, including the following:

- The freshman class that entered this past year is the strongest in the University's history in terms of SAT scores, rank in class and number of National Merit Scholars, with 189. The University selected 1,344 freshmen from an applicant pool of 8,500.
- The top overlap in applications among Washington University prospects this year included Duke, Harvard, Northwestern, Yale and Stanford universities and the University of Pennsylvania.
- Washington University enjoys the best rankings in its history, including a tie for 12th place among undergraduates programs ranked by U.S. News. "Washington University is expected to attend for approximately 14,000 students next year," said Biondo, "who will be filled with seeds and soil, thus allowing each participant to take home a symbolic piece of the garden."

Members of the University community are invited to attend the dedication ceremony. For more information, call Pike at 726-4906.

"Public art can be difficult to sell because it requires so many people to work together — artists, residents, funders — but everything has gone very well. We've all been willing to compromise a little to get this done. It's been a very good experience." — SUsannah Biondo

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4.5 feet wide and features five shallow ceramic bowls (used for planting) built around a central steel armature. The bowls are hand-wrought and organic in tone, and they grow progressively smaller as they move upward, giving the work a kind of pyramidal, Christmas-tree-like shape.

The structure's lifespan is estimated at about five years. A $1,200 artist's stipend and $800 construction/materials budget are underwritten by Feinberg Real Estate, the Kingery Animal Hospital and the University, with additional support from the Skinker/DeBaliviere Community Council.

"It's been exciting, and a great group to work with," said Biondo, who has created similar projects at the University's Tyson Research Center and the Watershed Center for Ceramic Art in Maine. "Public art can be difficult because it requires so many people to work together — artists, residents, funders — but everything has gone very well. We've all been willing to compromise a little to get this done. It's been a very good experience."

In a feat of technical bravura, Biondo will fire the piece on-site during a public dedication ceremony at dusk Oct. 19.

Rather than use a traditional kiln, Biondo has devised a method for placing her heating element inside the sculpture, causing it to glow dramatically within. Small openings allow flames to lick out here and there, wrapping upwards like small leaves.

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Back to work
Occupational Performance Center helps brain injury patients

By TOM DEVIN

A brain injury can be devastating both for the per- son and for family and friends. But most people do get better.

In fact, of the 1.5 million Americans who suffer brain injuries annually, only about 100,000 are disabled to the point that they cannot return to their former jobs. The question facing the other 1.4 million: When are they sufficiently recovered to go back to work?

Now, researchers in the School of Medicine are studying that question in a rehabilitation laboratory called the Occupational Performance Center. The project is a cooperative effort between the medical school’s program in occupational therapy and national rehab-care provider HealthSouth.

The center, housed at the Rehabilitation Institute of St. Louis, is coordinated by Leonard N. Matheson, Ph.D., associate professor of occupational therapy and of neurology.

‘‘When a person suffers a brain injury from a stroke or from trauma, doctors can do a great deal to limit the amount of damage during the first few hours after that injury,’’ Matheson said. ‘‘In addition, our advanced rehabilitation techniques can help restore lost functions. But we don’t do very much to get those people ready to return to a productive life.’’

After all, Matheson reasons, being able to feed yourself or bathe without assistance doesn’t prepare a carpenter to measure and cut two-by-fours or get a customer-service representative to deal with an angry customer.

For example, what might be a person who was a bookkeeper before suffering a stroke, Matheson said. ‘‘In the hospital, occupational and physical therapists might help that person begin to use his hands again or use a pencil or a keyboard. But just being able to use a pencil and a keyboard doesn’t mean that person is ready to go back to work as a bookkeeper.’’

While some people never recover from a brain injury, those who do can take two or three years. But most people need to return to work much sooner. The good news is that most can be productive just a few weeks or months after an injury.

‘‘Despite the evidence that performing one’s job enhances the brain’s plasticity and connectivity,’’ Matheson believes that going back to work after a brain injury does help people get better.

‘‘Going back to work is very important to sell oneself,’’ Matheson said. ‘‘But if they go back too soon, that can cause problems as well. We want to help people at the Occupational Performance Center by learning when they can handle the job and when they can’t.’’

At the center, Matheson and his colleagues test patients in one of several treatment suites that allow them to perform tasks and deal with problems similar to those they will face in their particular workplace.

‘‘Ideally, we’d like to get people back to work within a few months,’’ Matheson said. ‘‘We have to modify the job slightly, but even if it has to be at a lower level of productivity than before the injury, we believe most people can be productive and can continue their rehabilitation while they’re working.’’

‘‘We believe most people can be productive and can continue their rehabilitation while they’re working.’’

Leonard N. Matheson

Occupational Performance Center includes an area designed to mimic an office environment, complete with furniture and tasks typically performed by office workers. Another area is designated to prepare craftspeople, who work with power tools, to return to work. Still another suite is being developed to train customer-service representatives.

In the meantime, those with brain injuries can re-establish their lifestyle and pay their bills. They also can lower the risk of depression, a common problem for recovering brain injury patients.

The Occupational Performance Center includes an area designed to mimic an office environment, complete with furniture and tasks typically performed by office workers.

As Matheson hopes to have nine workplace suites operating when the center is fully functional.

‘‘That work simulation allows us to find out what kinds of problems a person is going to have while in the workplace,’’ Matheson said. ‘‘That way, we can help them work around problems and solve them. If we can’t solve all of the problems, at least we have an opportunity to present a recommendation for the employer to help them modify a job so that a person can return and be successful.’’

(From left) Leonard N. Matheson, Ph.D., occupational therapy student Rose Dunphy, and occupational therapist Mary Seaton manipulate the computerized daily-life testing system designed to help brain injury patients recover.

Immunoology, neuroscience receive high marks for research paper impact

By KIMBERLY LETZING

Unlike David Letterman’s, this is a Top 10 list that scientists are proud to make.

Every four years, Science Watch presents its Top 10 Research Roundup, a survey that details the citation impact of published research papers by scientists at the top 10 federally funded U.S. universities.

Science Watch ranks the universities by the number of research papers that attracted citations at a rate notably higher than the world average in nine major fields of biological science.

In the field of immunology, the School of Medicine ranked fourth nationally. According to the survey, over the past five years University immunologists published 1,258 papers, which were cited at 87 percent above the national average.

University neuroscientists published 1,258 papers, reports Science Watch, which were cited 105 percent above the national average, placing them fifth in the national poll.

The University also scored in the top 15 in the fields of clinical medicine and biology and biochemistry.

Science Watch, a publication that analyzes scientific journal literature and tracks research trends, calculated the citations-per-paper-for-impact score for each university based on papers published and cited between 1996 and 2001.

The resulting number was then compared to a world baseline figure, which represents the impact for the field during the same time frame.

Detailed results appear in the September/October issue of Science Watch, which is published by the Institute for Science Information.

Cells

Study focuses on a family of key proteins – from Page 1

DNA-damaging chemotherapy will kill even healthy cells, said Weintraub, who is a researcher with the Cellular Proliferation Research Program at the Alvin J. Siteman Cancer Center at the School of Medicine and Barnes-Jewish Hospital.

Researchers have found on a family of proteins known as Bcl-2, which plays a central role in both promoting and inhibiting apoptosis. The investigators first exposed cancer cells from bone, ovary and other tumors to the anticancer drug cisplatin.

When they looked at the Bcl-2 proteins from the cells that died by apoptosis, they found that in each case one member of the Bcl-2 family, the protein Bcl-xL, had been modified by deamidation.

Deamidation makes slight changes in two amino acids in the Bcl-xL line. As of some one had thrown a switch, those changes altered the shape of the Bcl-xL and thereby inactivated it.

In its active state, Bcl-xL is tightly joined with another Bcl-2 protein that, when free, triggers apoptosis. When Bcl-xL is switched off through deamidation, it releases the second pro-tein, and apoptosis can proceed.

The researchers also explored a line of healthy, nonsmoking human fibroblasts and several lines of mouse fibroblasts to cisplatin. In some of the cells, the investigators had artificially inactivated the Bcl-xL protein.

They found that cells with normal Bcl-xL were not affected by the drug, while those with the inactive Bcl-xL protein died by apoptosis, indicating they were now susceptible to cisplatin.

‘‘Our findings show that normal Bcl-xL suppresses the signal that throws the switch and avoid self-destruct- ing,’’ Weintraub said. They also suggest that tumor cells that sup- press the same signal also might be resistant to chemotherapy drugs.

Weintraub is now studying the number and regulation of the sig- nal that targets Bcl-xL.

National asthma study needs local volunteers

Do you take daily prescription asthma medication but still don’t have the control you would like? Does asthma awaken you at night? What about breakthrough wheezing? If you answered yes to any of these questions, you may be eligi- ble to participate in a national study, led by School of Medicine allergy specialist Mario Castreur, M.D., that aims to discover better ways to control asthma symptoms. Participants will continue tak- ing their current medication, but a second one will be added. They will receive free lung-function tests, peak-flow meters and study medication at five locations across St. Louis. Participants also will be compensated for their time and travel.

Candidates should be 15 or older and have mild-to-moderate- severe asthma. For additional details, call Mary Ellen Scheipeter at 362-8892.
Protein Trafficking • Heart Rhythm Disorders • Smoking Cessation

Tell us Moore
Henry I. Schwyzer Ph.D. (left), chair and professor in the Performing Arts Department in Arts & Sciences, introduces actress Valerie Harper, best known for playing Rhonda on The Mary Tyler Moore Show, to PAD students. While recently in St. Louis with the national touring production of The Alleycat's Wife in the Fox Theatre, Harper visited the University and discussed with students her professional experiences and philosophy of acting.


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Swimmers sweep at Saint Louis Univ.

The swimming and diving team began the 2002-03 season with a record three victories over the University of Missouri-Columbia Oct. 5 for the first time since 1993. Although the Bears had won 19 of their 20 meets in 2001-02, the Missouri-Columbia Tigers pulled off the upset with a 162-136 victory.

The Bears swept the women’s side, freshman Crystal Pellet WUSTL to its sixth win of the season, including seven top-25 teams, and Readie Callahan split time and Readie Callahan split time.

The swimming and diving team posted four more wins en route to the Simpson College Invitational Oct. 5-6. In the final against No. 6 University of Southern Indiana, the Bears posted a 2-3-2 four-medal sweep for second among non-Division I teams. The No. 4-ranked volleyball team posted four more wins en route to the Simpson College Invitational Oct. 5-6. In the final against No. 6 University of Southern Indiana, the Bears posted a 2-3-2 four-medal sweep for second among non-Division I teams.

The No. 4-ranked volleyball team posted four more wins en route to the Simpson College Invitational Oct. 5-6. In the final against No. 6 University of Southern Indiana, the Bears posted a 2-3-2 four-medal sweep for second among non-Division I teams.

Several individuals on the women’s tennis team turned in consistent numbers throughout the season. The doubles duo of Becky Rose and Arionthel posted a 9-3 record. Kacie Cook won three matches at No. 1 and Readie Callahan split time.

The men’s tennis team hosted its only home match of the 2002 fall season and came away with a 7-0 sweep against the University of Missouri-St. Louis. The Bears swept the Missouri-St. Louis team, including seven top-25 teams, and Readie Callahan split time. The Bears missed cracking the top-25 teams. The women were the top No. 1-ranked team and the Bears qualified for the NCAA tournament. The women’s tennis team was the only team that was not in the top 25. The doubles duo of Rose and Arionthel advanced to the semifinals, knocking out the University of Missouri-St. Louis in the quarterfinals. In singles play, Kacie Cook won three matches at No. 1 and Readie Callahan split time. The men’s tennis team hosted its only home match of the 2002 fall season and came away with a 7-0 sweep against the University of Missouri-St. Louis.

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GWU lecture series continues Oct. 17

The George Warren Brown Institute of Social Work’s lecture series addresses a broad spectrum of social issues from within nationalism to the future of social work.

The series kicked off Oct. 10 with a lecture by Greg Freeman, a columnist with the St. Louis Post-Dispatch, on "St. Louis: My City and How We Got Here." In the Brown Hall Lecture Room.

All lectures will be held in Brown Hall at 11:30 a.m. Other lectures in the series, which is open and free to the public, include:

• Oct. 11 — Carol Swaid, Ph.D., professor of political science and co-founder of Vanderbilt University, on "The New White Nationalism in America: Its Challenges and Outcomes."
• Oct. 17 — Betty Simms, Missouri state senator for District 24, on "Aging in Missouri: Is Getting Older Getting Better?"
• Nov. 14 — Elizabeth Clark, Ph.D., president of the National Association of Social Workers, on "The Future of Social Work."
• Nov. 21 — Adrian Dolgamo, director of the Latino Social Workers Organization, on "La Familia Perspective: Opportunities for Providing Quality Services to the Latino Community.

For more information, call 935-4909.

Trustees

Hold meeting Oct. 4, hear chancellor’s report — from Page 2

lation ceremonies of Foster’s kindergarten at the Smithsonian Institution, National Air and Space Museum in Washington, D.C.

• New construction continues at a record pace, most recently in the opening of the new Laboratory Science Building for Arts and Sciences. Construction on Uncas A. Whitaker Hall for Biological Engineering is nearing completion.

The new construction includes a building for earth & planetary science and geology, a new residence hall south of Well and Students Center and the South 48 and 60 offices, and an office building at the northeast corner of the Shirk parking area and the Park Drive interaction.

• The women’s volleyball team continues its top-ranked standing and now has been listed No. 1 for three weeks in a row in NCAA Division III.

At the School of Medicine looks to its research future, it sees great potential in many of its areas. In a report titled "BioMed XXI," several speakers gave portions of a presentation on the future of biomedical research at the University.

The presenters were: Wightman, William A. Peak, M.D., executive vice chairman for medical affairs and dean of the School of Medicine; Trustee Floyd E. Bloom, department chair of xeroseurobiology at the Scripps Research Institute; Jeffrey E. Gordon, M.D., Robert F. Griner Distinguished University Professor and head of the Department of Molecular Biology and Pharmacology, Yale School of Medicine; and Robert P. Pollock, M.D., the Adolphus Busch Professor and chairman of the Department of Obstetrics.

A focus of future work will be building on the University’s achievements in imaging, genetics and genome sequencing, clinical research and patient care.

In other action, the trustees heard reports from the following standing committees: Audit Development, Educational Policy, Hilltop Medical Society, Financial Management, Honors College, Research, Graduate Affairs and Undergraduate Life.

A report also was presented by the Alumni Board of Governors.

Japan

Undergraduates travel, perform research — from Page 1

University. Abe agreed to host the event and served as local liaison, pairing American students and Japanese advisers with similar research interests.

More to the point, Japan — where earthquakes can be almost a daily occurrence, and where monitoring the structural soundness of buildings, bridges and highways is a task far beyond the traditional methods of human inspection — is a world leader in structural control, structural health monitoring and advanced materials.

Abe and Dyke hope that the students’ exposure to cutting-edge Japanese "passive and active control systems" — devices that can either act as structural absorbers or apply counter-forces to oppose a perceived motion — might one day influence their work on U.S. infrastructure.

Applicants to REU AT were nominated by faculty members at their home institutions. Of the 85 selected students were granted room and board, full travel expenses and a stipend, and in May assembled at Washington University for a weekend-long orientation.

The students then, later, the group arrived in Japan, met its collaborators — usually university professors or engineers or industrialists — and began conducting experiments on time.

Work ranged from testing pieces of actual building materials, testing either on-state-of-the-art "earthquake tables" or by physically loading samples — to creating computer models designed to assess vulnerabilities in existing structures.

Most notably, based at Tokyo University, participants conducted an experiment during evening visits and visit historically significant sites on weekends.

The group also toured construction sites, companies in industry and even managed a stop at the U.S. Embassy, where they met Ambassador Howard Baker Jr. In addition, a somewhat unexpected opportunity presented itself to the group: A small earthquake hit Tokyo; the quake was small enough that most described the experience as "exciting but not jarring.

Over the end of their time in Japan, students delivered 20 papers outlining their projects for the entire REU AT group as well as members of the JSPS. Finally, upon returning stateside, the students spent an additional week at their faculty adviser’s institution, analyzing data and writing a summary paper about their experiences.

Given the success of the inaugural season, Dyke and Abdullah are now applying to NSF for additional funding that would allow REU AT to continue through 2005. Abdullah hopes the group’s experience will help encourage other students to participate in undergraduate experiences in different parts of Asia.

It will be very nice for this program to be disseminated to other universities," she said. For more information about REU AT, go to wusc.edu/reu/reu.html.

Medics

Student service formed in fall 1979 — from Page 1

necessarily require the attention of a doctor, but still need to be treated by a knowledgeable professional. By providing our service, we can help defer the cost and time commitment this student would have to endure to receive treatment elsewhere."

For Schwartzwald and the rest of the EST members, it’s a very rewarding job.

“I am currently a member of a volunteer fire department back home in New York,” said Schwartzwald, who hails from Chappaqua. “When I came to the University, I was looking for a way to continue doing something along those lines. I heard about EST, went in my application and went through the team’s interview process. It’s been hard work at times, but I love it.

EST was formed in the fall of 1979 due to concerns over the response time of emergency medical crews from the St. Louis metro region.

The student-run volunteer medics, originally known as SHOUT (Student Helping OUT) and composed of 20 students and staff with varying amounts of emergency medical training. The team was dispatched via University Police and responded in a golf cart equipped with trauma kits, oxygen tanks and ice packs.

Over the years, EST has continued to grow and improve.

The team has a new office in Lien House in the South 40, offers CPR classes to the community at a reduced cost and uses a Ford Explorer to respond to calls.

“We carry the same equipment that you would find on a basic life-support ambulance,” Schwartzwald said. “The only difference is that we do not transport patients ourselves to the hospital.”

The responding crew consists of at least two Missouri EMTs and a third member who is minimally CPR and standard-first aid certified. In becoming an EMT, students receive 168 hours of classroom instruction and approximately 50 hours of hands-on training in patient care and the emergency room.

In addition, EST medics receive at least one hour per week of continued training to keep their skills sharp.

On a once a call, EST medics triage patients and decide the best course of action for them. Team members help the patient find the best form of medical care they need — either being treated and released, going to health services on campus for further treatment or going to a hospital via University Police or other transportation.

The emergency support team is a fantastic, organized group," said Laurie Reitman, M.D., director of the Student Health and Counseling Service, who serves as medical director for EST. "It is wonderful that so many talented students want to volunteer so much time and energy for our community."

Reitman said she receives a great deal of thanks from students and visitors to campus, who unexpectedly are in need of this kind of emergency service.

"It is such a privilege to be able to work with this organization and see these students learn and grow over their time here and beyond," Reitman said. "They often keep in touch long after they leave the University.

The very success of the EST members plan to go on to medical school, many do not. The team consists of students whose majors range from art to engineering to premed.

New members are accepted throughout the year. For more information about EST or to sign up for a CPR class, go to restech.wustl.edu/~est or call Schwartzwald at 935-5298.

“Emergency Support Team members (from left) Mike Schwartzwald, Vince Lai and Adam Feisenstein attend to "patient" and fellow team member Vani Sundaram during a recent training event.

Grace and style

Trinette Singleton (center), a former dancer with New York’s Joffrey Ballet and currently on the faculty of The Joffrey Ballet/New School University, leads a recent master class for the Dance Program in the Performing Arts Department in Arts & Sciences. Singleton was in residence to set a work for Washington University Dance Theatre, which comes to Edison Theatre Dec. 6-8.

"The emergency support team is a fantastic organization. It is wonderful that so many talented students want to volunteer so much time and energy for our community."

Reitman said she receives a great deal of thanks from students and visitors to camp-
**Introducing new faculty members**

The following are among the new faculty members at the University. Others will be introduced periodically in this space.

**Sung Ho Kim** joins the School of Architecture as assistant professor of computing and design. Kim earned a master's degree in architecture studies from the Massachusetts Institute of Technology in 1998; an architectural association diploma in London (with the Royal Institute of British Architects, Part I and II) in 1996; and bachelor's degrees in fine arts and architecture, both from the Rhode Island School of Design, in 1993 and 1994. Prior to coming to the University, Kim taught and practiced in Boston. His research focuses on finding new ways to engage emerging technologies in the design process.

**Peter Kastor, Ph.D., joins** the Department of History in Arts & Sciences as assistant professor. He is beginning a joint appointment as assistant director of American Culture Studies also in Arts & Sciences. He earned a doctorate from the University of Virginia in 1995, and since 1998 he has served as associate director of the program in American Culture Studies. His research concerns the New Republic, the frontier and Lewis and Clark, about whom he has lectured extensively as well as provided information for museum catalogs. Previously, he served as instructional technology consultant at the University of Virginia and presently serves in a similar capacity in Arts & Sciences.

**Robert Vinson, Ph.D., joins** the Department of History in Arts & Sciences as assistant professor. He also holds a joint appointment in African & Afro-American Studies in the history of the black Atlantic. He recently received a doctorate from Howard University in 2001 and has been a program assistant assitant professor at the University of Virginia. Since 1999, he has been a consultant on a documentary and multimedia project at Howard funded by the National Endowment for the Humanities and the Department of American Connections with South Africa 1905-1965. He has written several articles and essays on African-American in southern Africa and on the black Atlantic, and he has lectured on colonialism in southern Africa to the U.S. state department. He also served as an intern in 1995 at the U.S. Embassy in Botswana.

**Zhengjun Zhang, Ph.D., joins** the Department of Mathematics in Arts & Sciences as assistant professor. Zheng earned a bachelor's degree in computational mathematics from Yunnan University (China) in 1986, a master's degree in computational mathematics from Academia Sinica (China) in 1989, a doctorate in management engineering from Beijing University of Aeronautics & Astronautics (China) in 1996, and a doctorate in statistics from the University of North Carolina in 2002. His research interests include applications of statistics to finance, insurance, and environmental science. Some of his recent work has concerned numerical approximation of curve fitting, multi-variable extremes and max-stable processes.

**Of note**

The School of Law's Career Services Office received a Community Service Award from Legal Services of Eastern Missouri (LSEM) in recognition of the school's long-standing commitment to public service work, as well as its increased focus in recent years to public service work, as well as its increased focus in recent years. The award also recognizes the school's support of LSEM, including the work of numerous law school interns. LSEM provides civil legal assistance to low-income people in 21 eastern Missouri counties.

**Gregory E. Miller, Ph.D., assistant professor of psychology in Arts & Sciences, has received a two-year, $40,000 grant from the National Alliance for Research on Schizophrenia and Depression for research titled "Depression and Inflammation in Coronary Artery Disease."**

**Christina N. Lessau, Ph.D., National Institute of Mental Health postdoctoral fellow in psychiatry, has received a one-year, $44,212 grant from the National Institute on Drug Abuse for research titled "Initial Subjective Reactions to Nicotine in Young Adults."**

**Stephen M. Hightstein, M.D., professor of otolaryngology, has received a one-year, $235,905 grant from the National Center for Research Resources for research titled "Neuromodulators Multiaxes Ventricular Tissue System."**

**Garrett A. Duncan, Ph.D., assistant professor of education in Arts & Sciences, has received a two-year, $25,000 grant from the National Endowment for the Humanities, a critical race, ethnography of changing social processes.


**Ravindra Uppaluri, M.D., assistant professor of otolaryngology, has received a five-year, $608,265 grant from the National Center for Research Resources for research titled "JN-genius-Induced Angiogenesis in Males."**

**Obituary**

Newman, 22; first-year law student

**By JESSICA ROBERTS**

Newman was a second-year law student Debra S. Newman died Tuesday, Oct. 1, 2002, from injuries sustained Sept. 24 when she was hit by an automobile on Forsyth Boulevard. She was 22.

Newman, of Westfield, N.J., graduated from Ethical Culture School in Riverdale, Hastings-on-Hudson High School and Cornell University's School of Industrial Relations.

During her time in the School of Law, Newman participated in the Jewish Legal Society, the Public Service Advisory Board and American Civil Liberties Union student organizations.

"Debra will always be a part of our school," said Joel Seligman, J.D., law dean and the Ethel and Alfred H. Neuman Professor. "Her gift for friendship, her vitality, her enthusiasm will be with us always."

A gathering in remembrance of Newman was held Oct. 2 at the law school. Students, faculty and staff paid tribute to her through a memory book that was presented to her parents.

Newman is survived by her parents, Ann and Howard Newman; grandmother Solomon; great-grandmother Frieda Newman; and her younger sister, Sarah Newman. The family requests that memorial contributions be made to the Debra Newman Memorial Fund, c/o Temple Beth Shalom, 740 N. Broadway, Hastings-on-Hudson, NY 10706.
Advocating for American Indians

Eddie F. Brown, D.S.W., educates leaders for, and brings new resources to, tribal communities

by JESSICA N. ROBERTS

Eddie F. Brown, the youngest of eight children and the first in his family to go to college, left his home in southern Arizona to attend Brigham Young University with the idea that he would study business or law. Social work wasn't even a career option at the time.

"Normally, I wouldn't have looked at studying social work because of how I experienced social work in my younger life," he said. "I saw social workers removing Indian children from their homes and placing them with non-Indian families or sending the children off to boarding schools.

"It wasn't until I happened to take a social work class that I realized that social work was more than just taking kids away from their families. I quickly found out that social work focused on how to advocate and bring about change for the individual and for communities. I felt that social work, unlike law or business, was a profession where I could work directly with people and communities."

Full circle

After graduating with master's and doctoral degrees in social work from the University of Utah, Brown joined the faculty at Arizona State University as associate professor. He knew that in addition to his research work on social service programs serving American Indians, he was most interested in training new leaders for the tribes and cities in the state.

"Through education, American Indians increase the number of opportunities they have to build and support their communities," he said.

Arizona Gov. Bruce Babbitt recruited Brown away from ASU to fill a newly created position focused on improving the working relationships between tribes, counties and cities in the state.

He left Arizona a few years later to serve as the chief of the Division of Social Services for the Bureau of Indian Affairs in Washington, D.C., but eventually returned to Arizona to direct the Arizona Department of Economic Security, a position he held under two governors.

"I'm John McCain, R-Ariz.," drew Brown back to D.C. by nominating him to serve as an assistant secretary of Indian Affairs for the Department of the Interior. In this job, he oversaw all Indian programs for the United States.

Tohono O'odham Nation recruited him back to Arizona to restore all of its health and human service programs. As executive director of the Department of Human Services for the Tribe, he was involved in initiating a tribal-controlled community college. In 1996, Brown finally made his way back to his first love — education — when he accepted the offer of the Buder Center directorship from Shanti K. Khinduka, Ph.D., GWB dean and the George Warren Distinguished University Professor.

"I have been focused in your career; you realize that time is not without limits, and it is important action-oriented research projects related to the impact of welfare reform on American Indian communities and mental health assessment of American Indian youth. In his work, Brown has focused on improving access and availability of health and human services issues and policy-oriented conferences. "In Dr. Eddie Brown, GWB and the Kathryn M. Buder Center have one of the country's most highly respected American Indian social welfare leaders. The Buder Center has flourished under his leadership, gaining considerable national visibility for its training programs and research projects and policy-oriented conferences."

SHANTI K. KHINDUKA

With the Buder Center work with other centers at GWB on various research projects and studies, in addition, the center actively works with national Indian organizations, including the National Congress of American Indians, intertribal councils and the Administration on Children and Families.

Members of the center also have testified before Congress on major Indian issues related to health and human services.

"He is a whiz-bang, constantly on the go, but a master at seeming unhurriedly working with diverse groups to obtain their cooperation," said Arlene Stiffman, Ph.D., the Barbara A. Bulley Professor of Social Work.

The Buder Center's other major function is to recruit and educate American Indian graduate students. Under Brown's leadership, the center and GWB have had 45 American Indian students go through the program.

"We currently have 16 students in the master's program and three in the doctoral program," Brown said. "I have received great feedback from the students as they have gone back to their Indian communities."

In addition to all of his work with the Buder Center, Brown serves as the associate dean for community affairs and teaches social welfare policy and community development within the master of social work program.

"In Dr. Eddie Brown, GWB and the Kathryn M. Buder Center have one of the country's most highly respected American Indian social welfare leaders," Khinduka said. "The Buder Center has flourished under his leadership, gaining considerable national visibility for its training programs and research projects and policy-oriented conferences. It is fulfilling in attracting talented and dedicated students to GWB and the University."

Brown continues to enjoy his time at the University.

"I could not have asked for a better opportunity," Brown said. "I have received strong support from the dean and the chancellor and continue to be impressed with the level of academic achievement at the University."

Outside WUSTL

Brown has many requests from around the country to visit various universities and state and national organizations about American Indian health and human services issues and the importance of education for American Indians. He was recently appointed to the President's Advisory Board for Tribal Colleges and Universities.

Through all of his work, Brown has made great strides in improving access and availability of health and human services resources and higher education for American Indians. He has been locally and nationally recognized for his knowledge and skills in working with tribal governments and community programs.

Outside of his work at GWB, Brown enjoys exploring St. Louis in his high-school days and of 35 years, Barbara, "St. Louis is a great town," Brown said. "It has a very stable and family-oriented atmosphere."

He also enjoys visiting his six children and the grandchildren who are part of the lives of American Indians residing on reservations. And Shanta Pandey, Ph.D., associate professor of social work, "He is well respected and liked by tribal communities across the United States."