Researchers develop material to withstand the elements

It’s been two years since Hurricane Katrina ripped through the Gulf Coast and changed the lives and livelihoods of many living along the 85-mile stretch of Interstate 10 between Biloxi and New Orleans. The Category 4 storm ripped some houses from their foundations and flooded thousands more, making those unsafe and uninhabitable.

Nasim Uddin, Ph.D., is working on a project that soon will lead to homes that can better withstand such forces of Mother Nature. The associate professor of civil engineering is the principal investigator on a National Science Foundation-sponsored project to develop a multifunctional composite for panelized construction.

“Traditionally built homes can tumble like a house of cards against tornados and hurricanes,” Uddin says. “Maybe the time has come to move beyond traditional construction materials and begin looking at smarter materials.”

Uddin and his team are designing, developing and manufacturing housing material that soon will lead to homes that can better withstand the force of Mother Nature.

Warner trains cyber-crime investigators of tomorrow

Have you received an e-card greeting lately from a high-school friend you never heard of? What about some information from a financial institution asking you to “click here” to make changes to your account? If the answer is no, your spam filter is enviable. Every year thousands of people are reeled in by these kinds of cyber-scams known as “phishing” – or online fraud in which identities are stolen. According to a survey by Integrated Payment Systems, 43 percent of us have been the targets of a phishing scam, and 5 percent have given up information worth hundreds of millions of dollars annually.

This type of illegal activity is hampering law-enforcement officials who don’t have an adequately trained cyber-crime work force. Now, UAB is aiming to fill that void. The university’s Department of Computer Information Sciences (CIS) and the Department of Justice Sciences are jointly offering a graduate certificate program in computer forensics to train the digital detectives of the 21st century.

Gary Warner, a 1989 UAB graduate, recently left Energen to join UAB as the director of research for computer forensics. He has been on the frontlines of the cyber-crime war, aiding the FBI, FDIC, IRS, NASA and the National Credit Union Administration, among others. In doing so, he has built an international reputation for his work in targeting cyber-criminals.

“UAB’s faculty expertise will enable us to fill this critically important niche at the interface of justice science and computer science,” says Richard B. Marchase, Ph.D., vice president for Research and Economic Development. “This is an area we continue to invest in, as we see unmet needs in both research and computer forensics.”

Ph.D. candidate Amol Vaidya and Nasim Uddin, an associate professor of Civil Engineering, show the difference between their multifunctional composite for panelized construction and traditional structural insulated panel after a recent debris test. Uddin says the composite designed and manufactured by his team can be used to build homes that can better withstand the force of Mother Nature.

Academic building on schedule for fall

The hot, dry weather may be keeping most of us from being very productive when it comes to outside activities, but don’t count James Guyton’s construction team among that group. Guyton, the project manager for the new Academic Building, says the project is 85 percent finished, and he expects the building to be completed by the target date of Nov. 9.

“Right now we’re working on interior finishes – painting, carpet, those types of things,” Guyton says. The 95,000-square-foot Academic Building is located on the northwest corner of the Campus Green on University Boulevard at 14th Street. The building – which has inviting curved glass features at the entries and an outdoor patio space facing the Campus Green – is the first academic building to be built on that part of campus in approximately 30 years, says Jim James, executive director of Facilities Planning.

“It’s one of our anchor buildings on our Campus Green along with the Rec Center and our dining and dorm facilities,” says Guyton, project manager for many campus projects.
Laboratory safety workshop offered

The Department of Occupational Health and Safety has developed a Laboratory Safety Workshop that will provide an in-depth review of laboratory safety practices. UAB policies and procedures, regulatory compliance and liability issues. This course is for principal investigators, laboratory managers, supervisors, science educators and anyone who works in or supervises a laboratory.

The next workshop is scheduled Wednesday, Nov. 7 from 8 a.m. to 5 p.m. in the Hugh Kaul Genetics Building Finley Conference Center. Call 934-2487 to register.

Cost is $25.

Sign up for Emergency Notification System

UAB would like to remind faculty, staff and students that they can sign up for the university’s telephone-based Emergency Notification System. The system is used to send text messages to cell phones and pagers when urgent information needs to be communicated quickly to the university community.

UAB’s Information Technology group regularly collects contact information from those who wish to receive alerts from the system. To submit or update your information, fill out the UAB Emergency Notification System form found in BlazerNet – BlazerNet uab.edu. The form can be found:

- On the Student Resources tab in the Registration Tools channel
- On the Employee Resources tab in the Policies & Form channel

At this time UAB intends to use this system only for emergency purposes, with the exception of drills or other tests that may be conducted to ensure proper functioning of the system. Messages from the system will be sent from “UABNotify.”

During an emergency situation, UAB also communicates via Web and intranet, announcements to the media, emergency messages through telephone and e-mail to building administrators, and direct communication from officers on the scene.

- Targeted announcements to faculty, staff and students appear on the BlazerNET portal.
- Emergency alerts appear also on the UAB home page, the UAB Reporter site and the UAB Police Department site.
- Mass e-mails are sent to students, faculty and staff.

For more information on UAB’s policies and procedures during any emergency or severe weather situation, please visit the UAB Emergency Information Web page at www.uab.edu/emergency. The page also contains links to internal and external emergency support and information resources.

Activist Angela Davis to speak at UAB

Social activist and author Angela Davis will examine “Leadership and Democracy,” during a lecture Thursday, Sept. 13 at 6:30 p.m. in the West Pavilion Conference Center. Employees, patients and babies are welcome. A lactation consultant will be available to work with the group.

The event is sponsored by the UAB Honors Program and the UAB Lecture Series and is free and open to the public.

UAB to host Fall Career Fair Sept. 18

Representatives from more than 100 national companies will be on campus to meet and interview UAB students and alumni during the Fall Career Fair Tuesday, Sept. 18 from 10 a.m. to 3 p.m. in Bartow Arena. Attendees should dress in business attire and bring copies of their resumes.

For more information, visit the UAB Career Services Web site at www.careerservices.uab.edu or call Dale Stringfellow at 934-4392.

Support group for new mothers to meet

Breastfeeding mothers are invited to attend the Breastfeeding Mother’s Support Group that will meet Thursday, Sept. 13 at 6:30 p.m. in the West Pavilion Conference Center. Employees, patients and babies are welcome. A lactation consultant will be available to work with the group.

The support group will meet the second Thursday of each month at 10 a.m. and the fourth Thursday of each month at 6:30 p.m. Contact Sylvia Edwards at 996-7351 or the Lactation Center at 975-6334.

Directory update deadline is Oct. 31

The deadline for submitting changes for the printed UAB Directory is Oct. 31. On that date, a snapshot of the online directory will be taken and sent to the publisher for use in printing the 2008 UAB Directory. Therefore, it is important that both the individual listings in Section D and the departmental information listed in the Section E are accurate.

UAB employees who need to change their individual listings, including UAB office addresses and UAB phone numbers, must contact their departmental Oracle officer and a Data Change form must be submitted in Oracle and processed through all approval paths before the Oct. 31 deadline.

Employees may change only their main/home address with Self Service. HSU employees who need to change their office phone number and/or address must contact an HR specialist in the Human Resource Center at 731-9600. A contact has been assigned to assist each unit with departmental updates and edits. Lists of all official directory contacts and related links have been posted at www.uabdirectory.info. Please contact the UAB Directory Committee at CampusDirectory@uab.edu to submit questions or suggestions about this announcement or the phonebook.
Faculty given opportunities to learn during QL Week

A presentation from Temple University Mathematics Professor John Allen Paulos Monday, Sept. 10 kicks off Quantitative Literacy Awareness Week. His lecture “A Mathematician Reads the Newspaper” will be presented from 5:30 to 7 p.m. in the Hill University Center, with Prorost EB Capiolito, D.M.D. introducing Paulos.

Some of the highlights of QL Awareness Week, which runs from Sept. 10-14:

- Paulos – along with a middle-school mathematics class from the Birmingham school system – teaching university faculty, and UAB faculty members discussing quantitative literacy (QL) in their teaching methods in a faculty workshop.

- Tuesday, Sept. 11, university faculty will have the opportunity to learn from the middle-school mathematics class as they reason through problems out loud during a faculty workshop from 4:30 to 5:30 p.m. at the Marshall Conference Center at 802 11th St. South.

- A panel discussion also will be featured. John Mayer, Ph.D., Greater Birmingham Mathematics Partnership (GBMP) principal investigator and UAB QL Task Force member, will moderate. The panel also includes Ann Dominick, co-director of GBMP and Birmingham City Schools mathematics specialist, and Rachel Cochran, Ph.D., from the UAB Center for Educational Accountability.

- A faculty workshop titled “Integrating Quantitative Literacy with Existing Course Content” is scheduled for Wednesday, Sept. 12 from 11:45 a.m. to 1:15 p.m. in room 109 of the Business Engineering Complex. It will highlight the experiences of UAB faculty members John Moore, Ph.D., and Norman Bolus. Their Spanish and Nuclear Medicine courses have been designated as QL courses. Moore and Bolus will discuss how they incorporated instruction in and assessment of QL into already existing courses. They will also highlight what worked and what did not and address how what they learned will be incorporated into their courses this fall.

In addition, Mayer will discuss how working with middle-school students through the GBMP has influenced the design of his course.

Lunch will be served to 35 registered participants. Visit www.uab.edu/facultydevelopment to register.

The teaching of quantitative literacy across all disciplines is a key component of UAB’s Quality Enhancement Plan. Professors and researchers are engaging students in a new way of learning, preparing them to solve realistic, authentic problems in all walks of life.

For more on QL Awareness week, visit http://main.uab.edu/sites/DOEQL/.

ACADEMIC BUILDING

CONTINUED from page 1 and hospital activities. “It really is a nice presentation when you come into the heart of campus.”

The Academic Building will house three large lecture rooms capable of hosting 120-200 students. A 200-station computer mathematics laboratory also is located within the building, as are faculty offices.

One of the major tasks remaining is the installation of the audio-visual equipment, which will be installed before tenants move into the building in December.

“The plan is to move the occupants into the building in December and have a training session with the audio-visual equipment right after that,” Guerton says. “Classes should start meeting in the building in January.”

Campus Green

As construction on the Academic Building nears completion, work on the Campus Green is about to resume.

“There will be a lot of activity starting within the next several weeks,” says Susan Zumbado, project manager for the Campus Green. “The contractor will be moving on site immediately.”

Many smaller projects were undertaken on the Green this summer. Alabama Power removed overhead power lines, traffic control boxes were relocated and pavement was removed.

Grading and drainage is part of the first phase of construction this fall. The brick sidewalks, retaining walls at grade changes and the planned stage area are expected to be complete in April.

“The Campus Green will provide programmable, exterior space,” Zumbado says. “It will be available for outdoor events, much like the Mini Park north of the Education Building.”

The UAB 2000 Master Plan indicates the Green will comprise the blocks bordered by University Boulevard to the north, 16th Street to the east, 14th Street to the West and 10th Avenue to the south. The Campus Green will be divided into north and south greens. When complete, the North Green is expected to be 340 feet long and 240 feet wide and will include the stage.

The South Green will have a 320-foot square of green space and major sidewalks with pedestrian lighting, decorative architectural landscape elements and trees. There also will be a formal garden and corner plazas with planters.

Phase II of the project will add an entryway, fountain and a vertical feature. “These items are proposed but have not yet been designed or funded,” Zumbado says.

Tennis, anyone?

Four new tennis courts will be constructed at the site of the 11th Avenue South Park next to Rast Hall and should be ready by the spring semester, says Andy Marsch, assistant vice president for Student Life. The courts will be lighted, locked and accessed via the UAB student ID using a swipe system.

As a result of the construction, beginning Sept. 7 Student Life no longer will be scheduling events at the 11th Avenue South Park. Bill Camp is the project manager.
I t is often hard to find the good in a situation when someone you love or know is diagnosed with a life-threatening disease.

Imagine how hard it is to be positive when that someone is you.

Susan Evans knows firsthand the feeling of hearing such a diagnosis. The medical technologist has been on leave from her position in the hematology lab at UAB Hospital for more than a year following a bone marrow transplant.

Evans still is struggling with some health issues since her transplant in September 2006. However, she believes there are many positive things that have come from her situation.

“There have been positives to come out of this, there’s no doubt,” Evans says. “I’ve been able to talk to other people going through chemotherapy and let them know what my experiences were like. When my hair started to grow back, I passed my caps on to a nurse at UAB who was going through chemotherapy and losing her hair.

“There are many people going through similar things. I don’t look at it as an obligation to be a positive influence or help others, but this is part of the good that can come out of this – to help other people who have similar problems,” she says.

The Leukemia and Lymphoma Society is asking others to help fight the disease by being a part of the Light the Night Walk.

“Light the Night Walk festivities begin at 5 p.m. that evening. All cancer survivors participate in the walk with a lighted, helmet- equipped white balloon. Supporters of cancer survivors walk with lighted red balloons. Anyone can be a part of the event.

Evans participated in the Light the Night Walk three years ago. That was three years after she first had a small-cell lymphoma removed from her neck. She underwent radiation treatment after her 2001 diagnosis and did well until 2004 when tests showed she had chronic lymphocytic leukemia (CLL).

“It had gone to my bone marrow,” Evans says. “I had high white-blood-cell counts, and they decided to do chemotherapy then. I did chemo for two years.”

On Aug. 12, 2006, Evans was working the hematology/oncology lab when she noticed a rash on her arm. She went from her second floor lab to the ninth-floor oncology unit that afternoon.

She hasn’t been back to work since.

Her body was destroying her platelets and blood cells, a complication for some patients battling CLL. A little more than a month later, after she had stabilized, Evans had the transplant.

Staying positive

Evans says she continues to persevere in part by helping others and relying on her large support group.

“My faith in God and my family and friends have meant so much to me,” Evans says. “Their support has just been wonderful. There have just been so many positives to come of this in my life.”

James Evans, one of her sons, has been affected by his mom’s disease. He’s a fourth-year medical student at UAB now in rotation on the hematology ward working closely for a few weeks with Randall Davis, M.D., his mom’s oncologist. He’s also contemplating hematology and oncology as his profession.

“I saw the relationship between my mom and her oncologist and I really was impressed,” he says. “I saw the way she related to her doctor and it got me thinking about what I want to do. I thought it looked like a rewarding field.”

There’s nothing Evans would like more than to join her son at work again.

“I haven’t come back to work at UAB yet,” she says, “but I still hope to.”

Evans still battling leukemia, plans to Light the Night on Sept. 13

C hronic lymphocytic leukemia (CLL) is a type of cancer of the blood and bone marrow and is the most common leukemia in Western countries, according to the American Cancer Society.

Oncologist Randall Davis, M.D., has grants from the V Foundation for Cancer Research, the Cancer Research Institute, The Dana Foundation and the NIH to study a family of receptors that can influence cellular events, including those related to CLL.

A receptor is a protein on the cell membrane that binds to a specific molecule. Davis is investigating the properties of a recently discovered family of receptors in normal cells, termed B cells, and their role in individual s battling CLL.

“We don’t know what they bind to, but we know they could have an activating or inhibitory influence on cell growth,” Davis says. “We’re trying to figure out if these receptors are responsible for influencing indolence or aggression of the disease.

“If they have an influence on the aggression of leukemia, they could serve as possible drug targets.”

Davis’ research would not be possible without the benefit of private foundations like Light the Night. The funds raised support the work of hundreds of researchers in their search for better therapies and cures for leukemia, lymphoma and myeloma.

“The type of research I’m doing is a direct benefit of private foundations,” Davis says. “All investigators are being affected by very limited NIH funding right now. The money that the public puts forth can make a big difference.”

Under normal circumstances, human bone marrow produces immature cells (stem cells) in a controlled way, and they mature and specialize into the various types of blood cells, as needed. When these cells grow old, they naturally and are replaced by new cells in a continuous cycle. In chronic lymphocytic leukemia, this process goes awry. The bone marrow produces abnormal lymphocytes. These cells don’t fully mature or, for normally. Over time, they accumulate in large numbers and eventually crowd out other healthy cells, leaving people with chronic lymphocytic leukemia vulnerable to infection and other life-threatening problems.

When a patient is diagnosed with CLL, the results of several new diagnostic tests can almost serve as a crystal ball for caregivers. A decade ago, doctors could not predict the course of the disease, and watchful waiting was the treatment of choice.

Today, new laboratory tests, new medications and a new understanding of CLL are dramatically changing the rules for treatment of this type of leukemia:

“We’ve found a family of receptors that are expressed by malignant B cells – leukemias and lymphomas – and several of these receptors appear to be surrogate markers of the antibody signature or developmental background of the CLL cell,” Davis says. “If you know if the patient has a more aggressive disease and you will need to treat it earlier or if it’s indolent and you may not have to treat it for many years.”

To join the UAB Health System Team, contact Cam Sabo (csabo@uabmc.edu), Diana Tate (dtate@uabmc.edu) or Kristie Heath (kheath@uabmc.edu), or register online at www.lightthenight.org.

Cash, checks (written to The Leukemia and Lymphoma Society) and online donations are welcome and can be made by visiting www.lightthenight.org. Click “Search” on the left-hand side of the page, type in a UAB Health System Team captain’s name and click “Search” again.

T reatment of CLL advances with research

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Uddin’s team overcomes these issues by replacing the plywood and strand board with thermoplastic face sheets produced here at UAB. The sheets are lightweight, rigid, impervious to wind-borne debris, are heavy, foster mold and other industries, possess many qualities superior to current construction materials, says Uddin.

“They are lighter, stronger and much thinner than traditional SIPs. They also are not susceptible to the mold buildup that creates an unhealthy and unsafe atmosphere – and the loss of millions of dollars in flood prone areas. “No matter how you want to sugarcoat it, many of the homes left standing after Katrina sink or are unhealthy because of the flood waters,” Uddin says that the traditional SIPs and other construction absorb moisture and can easily disintegrate under floodwaters. Uddin also has those with the multi-functional composite because the thermoplastic face sheets protect against those elements.

Uddin also says the composite also would reduce the amount of time it takes to construct a home from months to hours. Large-size panels can be pre-manufactured, resulting in easy design, reduced construction time and strong structure. The floor, roof and wall panels all could be manufactured (even in different colors), transported to the site and assembled according to the home’s floor plan.

“There are so many potential benefits,” Uddin says. “There practically is no construction waste, and the home literally could be assembled in a few hours. The panels also would provide greater ground and thermal insulation, which results in higher energy conservation.”

Big change
Studs, exterior sheathing, insulation and sheet rock much pretty much every researcher, and that he is being contacted by the ongoing a regular basis.

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**Friday, Sept. 14**

10 am UAB Comprehensive Cancer Center. *New kids on the block in cell cycle: Great potential in cancer therapy,* Assoc Prof Veel-Chen Lin (Cell Biology); WP-E.

Noon UAB Center for Aging/GRECC Seminar. Series: keynote address, Director Richard Alman (Gerontology, Geriatrics and Palliative Care); VA-Aud.

Noon Anthropology/Anthropology Brown Bag Seminar. Working with chemically dependent women, Asst Prof Cathy McDelden (Social Work); UAB-229. Please bring your lunch. To RSVP, e-mail Kevin at johnsonk@uab.edu.

Noon Friday Noon Conference. HIV: opportunistic infections, Asst Prof Soraia Heath (Infectious Diseases); MHCRA.

Noon Hematology/Oncology/Glucoma Seminar. Friday: tm. (Gerontology, Geriatrics and Palliative Care); VA-Aud.

**Meetings**

**Monday, Sept. 10**

10 am Foreign Language and Languages Literature Tables. Arabic conversation table: HB-3rd fl The Hub. For more info, lasyaz@uab.edu or foreignlangs@uab.edu.

5:25 pm Power Yoga. UAB Marshall Conference Center. For more info, call Fran 967-0303.

**Tuesday, Sept. 4**

7:30 am Faculty Senate meeting: HUC-Great Hall.

10 am International Women’s Group. Smolian International House. 4-1205/awosewill@uab.edu.

3 pm Foreign Language and Languages Literature Tables. Spanish Conversation Table: HB-3rd fl The Hub. centerofu@uab.edu or foreignlangs@uab.edu for more info.

**Wednesday, Sept. 12**

10 am Conversational English classes, levels 1–4; Smolian International House. 4-1205/awosewill@uab.edu.

Noon Foreign Language and Languages Literature Tables.

French conversation table: Commons on the Green cafeteria for the French flag. For more info, daniello@uab.edu or foreignlangs@uab.edu.

5:25 pm Power Yoga: UAB Marshall Conference Center. For more info, call Fran 967-0303.

7 pm Conversational English classes, levels 1–4; Smolian International House. 4-1205/awosewill@uab.edu.

**Thursday, Sept. 13**

3 pm Foreign Language and Languages Literature Tables.

Medical Spanish conversation Table: HB-3rd fl The Hub. centerofu@uab.edu or foreignlangs@uab.edu for more info.

5 pm Foreign Language and Languages Literature Tables. Chinese Conversation Table: HB-3rd fl The Hub. masomini@uab.edu or foreignlangs@uab.edu for more info.

6:30 pm SMART recovery group meetings; not a 12-step or religious program. Any addiction or habit can be helped. Southtown Baptist Church, 12001 Liberty Parkway, Vestavia. Call WL Fulcher 975-7755 for details.

8 pm Stammtisch conversation table, for anyone who speaks German. Giuseppe’s Cafe, 925 8th Street South. For info, agrest@uab.edu.

**Friday, Sept. 14**

7 am Falan Dale exercises, an ancient Chinese exercise that brings harmony & health. UAB Mini Park, 4-8295.

12:30 pm Foreign Language and Languages Literature Tables. Russian Conversation Table: HB-3rd fl The Hub. masomini@uab.edu or foreignlangs@uab.edu for more info.

**Religion**

**Tuesday, Sept. 4**

Noon Anthropology/Anthropology Christian Fellowship Meeting. WP-B. All welcome. Mark 647-5177 or Blair 951-3826.

**Wednesday, Sept. 12**

10 am Employee-led Bible study: Interfaith Chapel-West Pavilion.

12:15 pm Latter-day Saints Student Association. Scripture study and discussion; HUC-413. All welcome. For info, Andrew 922-9338.

**Sunday, Sept. 9**

10 am Catholic mass, St Stephen Church, 1515 12th Ave. 933-2500.

5 pm Catholic mass, St Stephen Church, 1515 12th Ave.

**CALENDAR**

**Syllabus**

Monday, Sept. 10

11:45 am Gastroenterology/GI Hepatology/GI Early enteral feeding, Assoc Prof Jeanette Keith (Nutrition Sciences & Dietetics);

Finley Conf Ctr.

Noon Monday Noon Conference. Medical toxicology, Assoc Prof Eric Liebelt (Pediatric Emergency Medicine); WP-E.

Noon Hematology/Oncology Research Conference. Role of histone modifications in epigenetic regulation, Asst Prof Benjamin Wang (Biochemistry & Molecular Genetics); WTI-214.

3:30 pm UAB Comprehensive Cancer Center/Anesthesiology/Palliative Care/Alabamians for Pain Relief. Recent developments in palliative care, Dr Eduardo Shakib (Oncology) in the Treatment of Cancer, M.D. Anderson Cancer Center; MCSA.

4:30 pm UAB Neuroengineering Seminar. Behavioral improvements with thalamic stimulation after severe traumatic brain injury, Fellow Harrison Walker (Neurology); WP-D.

**Legend of locations**

AB Administration Bldg.
BDB Bashelor Bldg.
BBIB School of Biomedical Research Bldg.
CH Campbell Hall
CHSB Community Health Services Bldg.
CPR Center for Psychiatric Medicine
HUC HC University Dr.
JT Jefferson Tower
KHGB Kaul Human Genetics Research Bldg.
LHI LA University Hospital
LRH Lyons-Harrison Research
MCLL McGinnis Library
MCSA Margaret Cameron Spain Aud.
NP North Pavilion
RB Riis Building
SB Scrubbing Building
SHEL Shelby Biomedical Research Building
SOD School of Dentistry
SOE School of Education
SON School of Nursing
SOD School of Optometry
SRC Searle Library
TCH The Children’s Hospital of Ala.
TICD Tch. The Kincaid Clinic
TFT Tinkle Harrison
UDUS University Dispensary Office Bldg.
VH Valler Hall
WH Wister Hall
WORB Worsell Building
ZRB Zagier Building

**UAB Reporter** September 10, 2007

‘Double X’ exhibit represents women

“Double X: Women Representing Women,” is a new exhibit at the Visual Arts Gallery at UAB that explores the ways in which women represent themselves and other women.

“Double X is an exhibition about identity and diversity,” said gallery director Brett Levine. “It clearly is rooted in sexuality, but it also challenges questions about how women are portrayed in the media or by each other and how they use their identities as women to communicate upon and market themselves.”

The show runs through Oct. 7 and features works by Diana Shpigun and Nicole Engleman, Laura West, Moni Kulin, Alex Horeckowski, Lisa Roy Sachs, Malerie Mandel, Katy Granman, Elizabeth Young, Melissa Daddouran and others.

UAB Visual Arts Gallery is located at 900 13th St. South. Admission is free.

**Exhibits**

Meryn V. Stene Library. A history of the Meryn V. Stene Library. The exhibit runs through October. Library hours: 7:30 am–11 pm Mon-Thurs; 7:30 am–7 pm Fri; 9 am–5 pm Sat; 1–11 pm Sun.

The Samuel Ulman Museum. Home of prominent Birmingham civic leader and poet. Open admission only, 4-3228.

Visual Arts Gallery. Double X: Women Representing Women. Featuring works by Heather Bennett, Kelli Connell, Melissa Daddouran, Katy Granman, Alex Horeckowski, Mona Kuhn, Malerie Mandel, Laura Mosquera, Lisa Roy Sachs, Diana Shpigun and Nicole Engelmann, Angela West and Elizabeth Young. Curated by Brett M. Levine. Admission is free. 900 13th St. S. Call 4-0815.

Alabama Museum of the Health Sciences. Anatomical Theatre exhibit. The exhibit is the work of Joanna Ebenstein, a historian and photographer, who traveled to the Netherlands and the United States. Most of the photos are of models used to teach anatomy or the pathology of certain diseases. Some of the actual human remains. LHL-3rd fl. For info, call 4-4475.

**WBHM-FM, 90.3**

Fresh Air with Terry Gross can be heard 3:40 pm daily on 90.3 WBHM-Birmingham, and 91.5 WSGN-Gadsden, through the support of ASC subscribers and patrons. A limited number of tickets are available for $35. For tickets, call 5-2787 or log on to www.AlysStephens.org

**Special events**

Monday, Sept. 10

11:30 am UAB Comprehensive Stroke Center. Community stroke risk factor screening, Liberty Park Baptist Church, 12011 Liberty Parkway, Vestavia.

7 pm Alys Stephens Center. The Music of Sibelius — in recital. Featuring Anna Malakori, cello, and Kat Karm, piano. Experience the music of Jean Sibelius with this acclaimed duo. As a gift to loyal supporters, ASC subscribers and patrons can receive one free ticket. A limited number of tickets are available for $35. For tickets, call 5-2787 or log on to www.AlysStephens.org

**UAB Blazers**

Sept. 14: Men’s Soccer vs Birmingham-Southern, West Campus Field, 6 pm

Sept. 15: UAB Football vs Alcorn State, Legion Field, 6 pm

Sept. 16: Men’s Soccer vs Mercer, West Campus Field, 2:30 pm
Charles Barkley
Invites you to join him and his guest
Shaquille O’Neal
to attend the Third Annual
UAB Minority Health and Research Center Gala

Friday, September 28, 2007 at 7:30 p.m.
Cahaba Grand Conference Center — Black Tie
205-996-2880 — online reservations at www.UABMHRC.com

“Together we can reach healthcare equality and improve the health of our communities.”
—CHARLES BARKLEY

If you can’t attend, please give to the UAB Minority Health & Research Center. You can make a difference.
Benos is ‘07 Distinguished Faculty Lecturer

Dale Benos, Ph.D., left the Harvard School of Medicine for UAB’s Department of Physiology & Biophysics in August 1985. He admits he didn’t know what to expect or what he would find here.

What Benos discovered was a vibrant, growing institution with faculty and staff who had a desire to push for discovery. He found a new home.

“I have a real love of this institution,” Benos says. “This place has been good to me, and I’ve tried to give back as many times as I possibly can. It’s been a really good academic home for me.”

Benos has made a favorable impression on his colleagues through his 22-year UAB career. Proof of that can be found in the selection of Benos as the 2007 Distinguished Faculty Lecturer.

The Distinguished Faculty Lecturer Award is the UAB Academic Health Center’s most prestigious faculty award. It acknowledges Benos’ many achievements and the high regard in which he is held by his peers. It also is a reflection of his contributions to the university and the community.

“It’s certainly a special honor, especially knowing my colleagues chose me,” Benos says. “I know for a fact there are countless people who are more worthy for this award around UAB. I’m really humbled by the whole thing.”

The DFL award winner receives a $5,000 cash award and presents a lecture during a banquet held in their honor. The dinner will be held in The Club Ballroom Oct. 11. Tickets are $35 per person. Call 934-0771 for reservations.

Protein research
Benos has chaired the Department of Physiology & Biophysics since 1996, and holds secondary appointments in the departments of Cell Biology, Neurology and Physiological Optics. In addition, he is a senior scientist in eight research centers.

Benos, continuously funded by the National Institutes of Health since 1976, directs his research objectives toward ion channels and membrane-transport processes. He is focused on a number of disease states and the involvement of proteins in diseases such as hypertension and cystic fibrosis. His laboratory also is investigating the role of ion channels and transporters in human brain tumors.

“We are trying to understand how these proteins operate in normal physiological processes and how they are involved in disease – the cause and effect,” Benos says.

Benos is an editor of several national journals and sits on numerous editorial boards. On campus he supports graduate programs for physiology and biophysics, cell biology and neurobiology and has trained more than 15 graduate students and 34 postdoctoral fellows. Benos received the President’s Award for Excellence in Teaching in 2006.

The lecture
Benos is still developing a title for the lecture he will give at his banquet. He says he will probably give his perspective on how bio-medical research has evolved in the 37 years he’s been involved in the field.

He says the progress in new technologies, techniques and approaches are certainly some of the most positive changes. “We have wonderful tools to explore biological questions right now,” he says.

However, he adds, the current times for researchers are at the same time somewhat discouraging. A lack of funding has led to low morale among some investigators across the country and fears that the financial situation may cost the profession some of its best and brightest minds.

“There’s this pervasive emphasis on the finances of research, on being able to secure more and more research funding,” he says. “Paradoxically, while the total amount of federal research funds available are at their highest levels, the success rate of being awarded those funds are at historic lows. Thus some researchers, particularly new investigators, are unable to remain in the profession. Moreover, the situation causes young people to look for alternate opportunities.

“Even if all of a sudden the current situation of biomedical funding eased up, there would be a lag in getting people back into the system,” he says. “That’s the big problem. There’s a loss of both potential and current talent, and that’s really scary because it threatens the biomedical research infrastructure not only at UAB, but also nationwide.”

One thing about Benos’ lecture will be certain – his passion for research and UAB will be evident. “I’ve had many opportunities to leave in these 22 years, and every time I’ve looked at another position it just didn’t measure up to what UAB was to me.”

CYBER CRIMES

CONTINUED from page 1
research and training. Mr. Warner is a great addition who will help us find opportunities to partner with both the private sector and government agencies.

Instant credibility
Warner’s addition to the staff brings instant credibility to the computer forensics program, says John J. Sloan, Ph.D., chair of Justice Sciences.

“He brings a wealth of experience to our program, and his reputation precedes him,” Sloan says. “When you can hire someone of Mr. Warner’s reputation you’re immediately established. We’re confident he can help us establish us as a legitimate institution that’s involved in computer forensics training and education.”

Anthony Skjellum, chair of Computer & Information Sciences, says UAB’s efforts are “catastrophically forward. He’s known by all the key people in security in the United States,” says Skjellum. “He will be a focus of significant activity, and that will have tremendous value to the students who work in these areas because they will have access to state-of-the-art research, research problems and contact with all of our collaborators from the law enforcement industry and government.”

Mr. Warner says he is excited to be a part of UAB and have the resources available to create better tools to catch cyber-criminals.

“The faculty and staff here in these departments understand how to apply computer science to any kind of problem,” Warner says.

“The purpose of my job is to help law enforcement officials present their problems to the brilliant computer science folks on our campus. We then can come up with solutions and teach, train or sell them to law enforcement.”

First project
The need for preventing and understanding cyber-crime grows each day. Warner is working with the National Cyberforensics Training Alliance, the Anti-Phishing Working Group and the FBI’s Digital Phish Net to write programs that help accelerate investigations. One of his first research projects is with Alan Sprague, Ph.D., in CIS. They are developing a Spam Data Mine, a powerful computer that will look at a billion spam e-mail messages to locate the biggest source. The computer can link an unreturnable amount of e-mails traced to one person, and the cyber-criminal investigators will know they have their sender.

“The project still is in its early phases, but we demonstrated this for a major Internet service provider and they were blown away,” Warner says.

How could you?
One of the questions Warner often hears is “How could anyone fall for these scams?” There are a number reasons, and Warner hears them every day. Older citizens and those who are learning to use computers and e-mail often are victims of phishing. How about the secretary at a small church? She’s been hit, too.

“I’ve seen churches that have had their entire finances drained,” Warner says. “I’ve had relatives who have had their identities stolen in various ways, including phishing. Former co-workers also have been hit. And the bad part is that it’s hard to fight the crime. The FBI has thousands of people dedicated to fighting bank robberies, but how many are devoted to fighting cyber-crimine? It’s not a big number, and part of the reason is they don’t have enough people who understand how it works.

“We’re hoping to change that with the computer forensics certificate program here at UAB.”
Women

Are you a postmenopausal woman at increased risk for breast cancer? You may be eligible for a breast cancer prevention study. Call Estelle 3-7790.

Post-menopausal and pre-menopausal women ages 20-80 who are not pregnant and who have had a hysterectomy and who have not recently been taking, orlistat, cetuximab, celecoxib, or any investigational drug are eligible to participate in an investigational study evaluating an investigational method to detect osteoporosis. No medications. Compensation.

Are you or 20 or older healthy premenopausal women who have a family history of breast cancer, or have had breast cancer, or are currently participating in a Care Team you may be eligible to participate in a research study evaluating the benefits of additional education and social responses in healthy women. Single appointment includes questionnaires and blood draw. Compensation: $50. Call 986-7394/91-3158/najinp@uab.edu.

Are you an over weight woman age 45-60 concerned about menopausal symptoms? You may be eligible for a study if you have been at least 20 years ago, and are not taking hormone replacement therapy. Cheryl 966-6270. Compensated.


Are you a woman age 60 or older? You may be eligible to participate in a breast cancer prevention study. Compensation. 3-3065.

Women ages 19-40 and 50 and older who are self-identified lesbians and spent their young adulthood in the south are needed for a survey. Lisa George 833-7487/743-9673.

Women with multiple sclerosis and spinal cord injury women ages 19-55 needed to participate in a study to educate women with spinal cord injury about their sexual potential and to conduct research to evaluate various developmental approaches to improve sexual response. Must have normal periods, not be pregnant, have no sexually transmitted infections, and feel some sensation from lower abdomen to upper thigh region. Compensated $300. Paula 4-2089/psptha@uab.edu.

Women: do you have bacterial vaginosis (BV)? If you answered yes, you may be eligible to participate in a study evaluating the treatment of bacterial vaginosis. 4-9281.

Postmenopausal women age 45 and up with chronic back pain (greater than 2 months) needed, who have osteoporosis for a 18-month study on the reduction of back pain. FDA approved drugs for osteoporosis or hormone replacement therapy at no cost. Compensation. Jo Ann 4-1978/888-534-0267.

Does urine leakage stress you out? You may be experiencing stress urinary incontinence. If you leak urine when you exercise, cough, sneeze, laugh or lift; are female age 21 and older, diagnosed with the chronic condition of urge incontinence, you may be eligible to participate in an investigational study evaluating an investigational drug for recurrent urinary incontinence. A new oral medication may help improve incontinence symptoms. Call 3-0636/4-1978.

Men

Incontinence study compare two treatments for recalcitrant (chronic) urge incontinence in men. You may be eligible if you are experiencing recurrent urinary incontinence due to benign prostatic hyperplasia (BPH). Compensation up to $150. 4-3259.

Do you have genital herpes? To qualify you must: be age 18-80; have had genital herpes for an investigational drug for recurrent genital herpes you may be eligible: be age 18-80; have had genital herpes for at least 2 years. Compensation. 3-6607.

Are you a cancer survivor? how are you doing? Are you a cancer survivor? If you are a cancer survivor, we may have a common condition known as a hormone imbalance. Compensation. 9672.

Exercise Together) study, 5-0666.

Are you age 19-45 recently diagnosed (within 5 yrs) with Type 2 diabetes needed for a 2-year study of exercise at UAB hospital. Participants receive a private medical exam and a physical exam and may be eligible for compensation up to $150. Compensated. 5-2422.

Are you a woman living with HIV who has not experienced any opportunistic infection of interest in learning how to reduce the stress in your life? If you said “yes” to both questions, call 4-2089. Compensated.

Healthy women age 65 & older needed for study of estrogen replacement therapy to prevent Alzheimer’s disease in those with first degree relatives with memory loss. If you have a family member, or a family member with memory loss and you are not currently taking estrogen replacement therapy, you may qualify. Penny 4-1668.

Do you have genital herpes? To qualify you must: have had genital herpes; be age 18-80; have had genital herpes for an investigational drug for recurrent genital herpes you may be eligible: have had genital herpes for less than 1 year. Compensation. 3-0636/4-1978.

Are you age 19 and older diagnosed with depression? if you are age 19-85 diagnosed with depression, you may be eligible to participate in a study. You will receive a physical exam and pencil & paper testing; no meds. 1 visit for $45. Dr. Dale 969-9973/4-1876.

Are you age 19-75? You may participate in a national 18-month study. Subjects needing fillings or crowns. Subjects are compensated $500. ARA 4-7186/393-7836 Cathepsin-S Inhibitor drug for a 16-20 week intervention. Compensation. Compensated $200. 4-3388@ub.edu.

Are you age 19-75? You may participate in a national 18-month study. Subjects needing fillings or crowns. Subjects are compensated $500. ARA 4-7186/393-7836 Cathepsin-S Inhibitor drug for a 16-20 week intervention. Compensation. Compensated $200. 4-3388@ub.edu.

Women & Men

Are you 20 or older healthy premenopausal women who have a family history of breast cancer, or have had breast cancer, or are currently participating in a Care Team you may be eligible to participate in a research study. Study related ed hospitalization and all other study related care provided at no cost. Required to be a minimum of 18 days in the hospital. Compensated 4-2484.

Recruiting adult women and men for den- implant trial. Must have no lower teeth (permanent) removed. Fertility. UAB Dental Research 4-7106.

HIV clinical trials need volunteers! You are a non-smoker for 5 or more years. Call 986-7079. African-American men/women ages 54-64 needed to participate in a study to determine if a vaccine trial to prevent herpes. Compensation $200. Join 4-1978.

Do you have high blood pressure? Are you age 19-75? You may be eligible to participate in a 29-week research study evaluating new investigational medications for hypertension. Recruitment. Recruiting. All study related care provided at no charge. HIV-Action trial 1-877-2107.

Do you have high blood pressure? Are you age 19-64 and in good physical health? Are you age 19-64 and in good physical health? You may be eligible to participate in a trial to study the effects of an investigational treatment affecting illness and survival among people with heart failure. Metyzolone 5-6988.

Do you have rheumatoid arthritis? Do you have rheumatoid arthritis? You may be eligible to participate in a study evaluating an investigational method to help improving joint function. Call 3-0636/4-1978.


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Are you a cancer survivor? how are you doing? Are you a cancer survivor? If you are a cancer survivor, we may have a common condition known as a hormone imbalance. Compensation. 9672.
Convert your old home movies (VHS tapes) to new labeled DVDs. Keep your memories safe and portable. 50% off limited time offer. Call today.

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200 Available options for DJ: everything from top 40s to hip hop. Professional. All equipment included.

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Need someone to clean your home? 590-7560.

Home care maintenance: untrained. $15/hr. 200 Available options for DJ: everything from top 40s to hip hop. Professional. All equipment included.

Hardy Moore. 853-3205.

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Bruce's lawn services: local. Free estimates. References available. 304-0625.

Handyman: for all your needs! Dependable & skilled. 613-1831.

Certified personal training/fitness instructor: Need: understanding in get to shape? Call David 877-1727 or david@uab.edu.

Work, done. Residential alterations and repairs for all your home needs. 15 yrs exp. Chris 4-5987; chris@uab.edu.


Concrete, brick or commercial roof: free estimates. Dale 648-0913/238-2156.

Pencil Pet Portraits: For your loved ones! 613-1831. We also condition leather coats, shoes, boots. We also condition leather coats, shoes, boots.

Touring: by the page, report, etc. Reasonable rates. Local and long-distance work.


Need help with the English language? UAB grad w/i in English offering tutoring for internationals at any level. 15/hr. Sharon 979-8540.

House cleaning services available at your convenience with quality cleaning staff and references available. Dependable and detailed or

Light duty. 613-1089.

Let us supply you with all your landscape needs. Shrubs, bark and mulch, etc. JR 209- 2050.

Need a tutor? Hoover elementary teacher. I have affordable rates, flexible schedule and great rapport with all students. All subjects through 8th grade, reading, writing, spelling. Housekeeper-experienced in cleaning and organization. Honest, mature, dependable. Clean references available. Work flexible on a weekly basis or biweekly 52-3737.

Lawn Care: 16 years of combined experience. Services include: mowing, edging, weeding, seeding, trimming, pruning and edging. Free estimates. John 350-0755.

All about carpet cleaning: restores, don’t buy more! 680-0728. 24-hour emergency service. Apartments & residential. Mention the UAB Reporter and get 10% off your overall clean-


Video services here: Let Michael Szultom at Lab Corp 4 pm, pickup at UAB at 4:10 pm. Scott Tillman at Commute Smarter 4 pm. Leave Lab Corp 4 pm, pickup at UAB at 4:10 pm. Scott Tillman at Commute Smarter 4 pm. Leave Lab Corp 4 pm, pickup at UAB at 4:10 pm. Scott Tillman at Commute Smarter 4 pm. Leave Lab Corp 4 pm, pickup at UAB at 4:10 pm. Scott Tillman at Commute Smarter 4 pm. Leave Lab Corp 4 pm, pickup at UAB at 4:10 pm. Scott Tillman at Commute Smarter 4 pm. Leave Lab Corp 4 pm, pickup at UAB at 4:10 pm. Scott Tillman at Commute Smarter 4 pm. Leave Lab Corp 4 pm, pickup at UAB at 4:10 pm. Scott Tillman at Commute Smarter 4 pm. Leave Lab Corp 4 pm, pickup at UAB at 4:10 pm. Scott Tillman at Commute Smarter 4 pm. Leave Lab Corp 4 pm, pickup at UAB at 4:10 pm. Scott Tillman at Commute Smarter 4 pm. Leave Lab Corp 4 pm, pickup at UAB at 4:10 pm.
Overnight success

The Aug. 16 water main break that sent some students and employees home for a day meant a 24-hour shift for UAB Campus Maintenance workers.

Once the city water supply was shut off, crews had to keep water supplied to the chiller systems for the Education Building, Bartow Arena and the Alys Stephens Center by any means possible, including hoses attached to a fire hydrant and pumped from a 500-gallon water truck.

Mike McMahan, Brian Holt, Gary Dawson, Stanley Buchanan, Dennis West, Mike Teague, Claude Smith and Barry Bates stayed on the job until the work was done.