Office of Research Rolls Out New Initiatives

The Office of Research has instituted new programs and is pursuing new initiatives to fulfill the research mission of UTHSC. Faculty and staff can read about these advancements in The Research Notebook, a new publication to keep the campus apprised of research developments.

This online newsletter, which is published quarterly by the Office of Research, is just one of the new ideas Leonard R. Johnson, PhD, interim vice chancellor for research and holder of the Thomas A. Gerwin Chair of Excellence in Physiology, has started since stepping into his new role six months ago.

“We have taken action on several new projects over the last few months,” said Dr. Johnson. “But it often takes time to see your work come to fruition. We want people to understand that we are making progress.”

Examples of recent action include the formation of a Clinical Trials Task Force and a Facilities & Administration (F&A) Recovery Task Force.

The Clinical Trials Task Force was formed to help solve some of the problems encountered in setting up clinical trials. A recommendation from this task force has resulted in UTHSC and Memphis Bioworks collaborating to form a Contract Research Organization (CRO). Although it’s only in the beginning stages, the CRO will manage clinical trials carried out by university investigators and will run through a separate not-for-profit 501(c)3 organization. The Office of Research hopes to have the CRO operational by September 1.

The F&A Recovery Task Force has reviewed such procedures as the distribution of indirect costs, which is money provided by the granting agency to maintain the infrastructure of a research facility. Recommendations from this task force will be taken into consideration as the university goes forward with its strategic planning.

While ensuring that current practices and policies are working efficiently, Dr. Johnson and other UTHSC researchers are also looking to the future.

A large group of investigators is in the process of applying for a planning grant for a clinical translational science award. The planning grant, which is to be submitted later this month, would provide a means for creating a future center where basic findings can be applied to human diseases. This effort is headed up James B. Dale, MD, professor of internal medicine.

“There are a number of vacancies that need to be filled,” said Dr. Johnson, noting both dean and chair positions. “As we recruit individuals who are engaged in and support research, they will help define our vision for the future.”

In the near future, UTHSC researchers look forward to the completion of the UT Cancer Institute Basic Science Building scheduled for this summer and anticipate the construction of the Regional Biocontainment Laboratory and the College of Pharmacy building to be started later this year.

More in-depth research news can be found in The Research Notebook, which can be accessed by visiting http://www.utmem.edu/research/index.php?doc=newsletter.htm. The second issue of this special newsletter will be published later this month.

Town Hall Meeting

Chancellor William Owen, Jr., MD, addressed faculty and staff in a town hall meeting earlier this month. A recording of the meeting can be viewed at http://www.utmem.edu/chancellor100daylecture/townhallmeeting030806.
Dear HSC Campus Community:

I am pleased to announce that the University of Tennessee Health Science Center has just taken a major step in our ongoing efforts to provide a safe and healthful environment for all members of our community. On March 14, 2006, we became a smoke-free campus by executive directive. With the exception of a few designated areas, smoking will be prohibited on all university-owned or leased property.

With this policy, our hope is to protect all who live, work, study or visit the campus from a major health concern: secondhand smoke. In a 1996 report, the U.S. Surgeon General called this “involuntary smoking” – a term that suggests its real seriousness. The report concluded that involuntary smoking causes disease, including lung cancer, in healthy nonsmokers. The Surgeon General also found that the simple separation of smokers and nonsmokers within the same air space may reduce, but does not eliminate, the exposure of nonsmokers to environmental tobacco smoke.

I have asked a joint committee comprised of representatives from the Offices of Facilities Management and Space Management & Utilization to identify designated smoking areas on campus. The designated smoking areas will be easily reachable but separated from main campus traffic and will be clearly marked. I would hope that over time smoking on campus will diminish naturally, and we will be able to reduce, and perhaps eliminate, the designated smoking areas.

Keeping our air smoke-free is a major step. However, the university now has an opportunity to do much more. We can actively promote a safe and healthful environment.

Please join me in helping to increase awareness of the dangers of smoking and secondhand smoke, and to help those who would like to quit, succeed in that effort. In the meanwhile, I invite your cooperation and your commitment to an effort that will benefit us all.

Ken Brown, JD, MPA
Chief of Staff
(The official Smoke Free Policy can be found on Page 3.)

The next Chancellor’s Breakfast Chat is scheduled for Friday, March 31, 2006 from 8 to 9:30 a.m. in the Student Alumni Center, Room 305.

Quarterly, 25 exempt and 25 non-exempt staff members are randomly selected to attend. The chats are designed to give employees an opportunity to freely ask questions and have frank discussions about concerns related to the work environment. When employees are selected, they are encouraged to attend.

For more information, call Cynthia Tooley or Michael Alston at 448-2112.
I. BACKGROUND
As a matter of policy, the University of Tennessee Health Science Center endeavors to maintain a safe and healthful environment. The Surgeon General of the United States has determined that cigarette smoking is the leading preventable cause of illness and premature death in the nation. In addition to causing direct health hazards, smoking contributes to institutional costs in other ways, including cleaning and maintenance costs, and costs associated with employee absenteeism, health care, and medical insurance. Moreover, research indicates that nonsmokers who are regularly exposed to passive (secondhand) tobacco smoke are at increased risk of illness. For these reasons, the Surgeon General has urged employers to implement broadly based health promotion programs with special emphasis on smoking cessation.

The response to the Surgeon General’s advice and the medical evidence has been an overwhelming trend toward protection of the health and safety of nonsmokers.

II. REFERENCE
T.C.A. 49-7-135(a), (b), Section 2(2), Section 3

The University of Tennessee Health Science Center has therefore set the following policy regarding tobacco smoking:

III. INTRODUCTION
It is important for the University of Tennessee Health Science Center (hereafter referred to as HSC) to provide the means for protecting the health of its faculty, staff, students, patients, and visitors from the hazards associated with inhaling smoke from tobacco products used within the confines of HSC buildings and facilities. As an institution dedicated to the preservation of health and the prevention of disease, and in compliance with Tennessee State Law, the HSC prohibits smoking in all facilities, except for those specially designated areas on campus.

IV. POLICY STATEMENT
All buildings, facilities, and spaces (including covered walkways and covered parking) that are owned, rented, or leased by the HSC are nonsmoking areas with the exception of spaces leased by the HSC to third parties for uses not related to the HSC, subject to the provisions of a contract. The ban includes classrooms, laboratories, seminar/meeting rooms, housing or residence facilities owned or operated by the HSC, faculty/administrative/staff offices and HSC-owned and operated passenger vehicles allotted to the Facilities Motor pool for open assignment. With approval of the Vice Chancellor for Research, an exception to this policy may be made for research involving smoking. Signs should be posted at all main building entrances and, as appropriate, should be located throughout buildings to advise occupants that smoking is prohibited. All employees and students are expected to be good stewards of the HSC’s property and grounds, and individuals who choose to smoke in areas specially designated for smoking, are expected to place the remains of tobacco products in proper receptacles.

Additionally, where outdoor seating is provided adjacent to indoor food service facilities, non-smoking sections must be designated and posted.

Visitors also are expected to comply with this policy.

V. DESIGNATED SMOKING AREAS
A Committee comprised of representatives from the Offices of Facilities Management and Campus Space Management & Utilization are responsible for identifying designated smoking areas on campus. The joint committee will ensure that clear signs are displayed at all entrances to campus buildings, as well as other conspicuous locations, and to notify the public that smoking is permitted only in officially designated areas and is otherwise prohibited on campus grounds or in campus buildings.

VI. ENFORCEMENT
The success of this policy depends upon the thoughtfulness, consideration, and cooperation of the HSC community. All share in the responsibility for adhering to and enforcing this policy. A violation of this policy by an employee, including faculty, shall result in disciplinary action according to established HSC disciplinary procedures up to, and including, termination of employment.

A violation of this policy by a student constitutes nonacademic misconduct, and the student may be subject to established disciplinary action.

VII. IMPLEMENTATION
The Chief of Staff is responsible for overall procedures to implement this policy, including procedures relative to visitors to the campus.

The Vice Chancellor for Academic, Faculty and Student Affairs is responsible for procedures to implement this policy as it relates to faculty, students, student organizations, and student facilities.

The Vice Chancellor for Research is responsible for procedures to implement this policy as it relates to research protocols, and patients.
National Sickle Cell Program to Honor Past & Present Research

UT Health Science Center researchers — both past and present — will be recognized at the 29th Annual National Sickle Cell Disease Program to be held in Memphis on April 7-12.

With the theme “Clinical Care, Research and Education: Thriving in the City of the Blues,” UTHSC’s rich legacy of sickle cell research will be highlighted throughout the conference.

In 1929, Dr. Lemuel Diggs began his work at UT where he placed emphasis on autopsy data of the sickle cell disease, which is a painful, genetic disorder that affects one out of 350 African-Americans.

It was here that Dr. Diggs opened the country’s first comprehensive sickle cell clinic. Along with Ann Bell he discovered Hemoglobin SC disease and published a book that is used to teach blood morphology across the country.

Their publication will be on display at the national meeting, and Ms. Bell will introduce the lectureship named in honor of Dr. Diggs, who died in 1995.

The clinic is now called the Diggs-Kraus Sickle Cell Center. Dr. A.P. Kraus, who started the first newborn screening program in Tennessee, partnered with Dr. Diggs. The clinic was the first of 10 federally funded research and service centers.

Today sickle cell research continues. Patricia Adams-Graves, MD, associate professor of medicine and director of the center, will present her research at the meeting on a newly developed quality of life instrument for adults with the sickle cell disease that will be administered across the nation and is copyrighted by UTHSC.

In its 72 years, it is estimated that the Diggs-Kraus Sickle Cell Center has cared for more than 51,220 patients.

College of Medicine Prepares for “Big Exam”

A year and a half might seem like a long time to prepare to welcome visitors to campus. But when the visitors are from the Liaison Committee for Medical Education (LCME) — the organization that accredits all medical schools in the United States and Canada — the UTHSC College of Medicine wants to make sure it’s ready.

Preparation for reaccreditation began in May 2005 when faculty, staff and students began collecting information. Now, almost a year later, leaders in the college want to make sure the entire campus is preparing for the accreditation process. The College of Medicine was last reaccredited in 1998.

“The LCME site visit is like a big exam — our licensing boards,” said Pat Wall, MD, interim dean of the College of Medicine. “As noted, our preparation began for the ‘board’ 18 months before the ‘exam.’ In this case, the entire College of Medicine family — our students, faculty and the college’s administration — is preparing for the big visit. This long preparatory process is a great opportunity for self-examination, and to actually plan for necessary changes ‘post-examination.’ We view this as a challenging opportunity to make us a better educational enterprise.”

During the next two months the college will finish compiling the information into a required database. Although the LCME site visit team will not be on campus until November 12-15, 2006, the College of Medicine must submit this database at least three months in advance.

This paper documentation is just one of the required components, which also include a comprehensive institutional self-study, an independent student self-study, and the site visit by the LCME survey team. Medical students currently are in the process of completing their self-study.

With 14 committees assigned to prepare for reaccreditation, 160 faculty members and 60 students have been working to assess how well the College of Medicine and its programs comply with nationally accepted standards.

As part of this self-study, committees are also examining the environment and curriculum in an effort to identify areas of improvement. Some topics that are being evaluated include: administration, academic environment, medical students and clinical teaching facilities, just to name a few. The College of Medicine also must guarantee that it provides a quality educational experience at the Knoxville and Chattanooga campuses.

“Of course, being reaccredited is critical, but the process also makes us stop and think about what we are doing and how we’re doing it,” said Robert Shreve, EdD, assistant dean in the College of Medicine, who is serving as self-study coordinator. “When we finish we will have a better understanding of our strengths and weaknesses, and we will have developed a set of plans for improvement.”

After the November visit, the LCME, which is jointly sponsored by the American Association of Medical Colleges and the American Medical Association, will review the survey team’s recommendations and decide on the college’s level of compliance with the standards and its accreditation status.
Mildred A Reeves
Distinguished Visiting Professorship in Nutrition
Noon - March 30 - GEB A-204

Dr. Samuel Klein, an expert on obesity, will discuss “Advances in Obesity.”

Ramareddy V. Guntaka, PhD, professor of molecular sciences in the University of Tennessee Health Science Center College of Medicine, recently received the Genome Valley Excellence Award for his contribution to the field of biotechnology. The award was presented at the BioAsia 2006 Conference in Hyderabad, India.

Stephanie Connelly, MD, MPH, assistant professor in general internal medicine and preventive medicine, has been awarded a contract from the TennCare Bureau to assess the health impacts of TennCare disenrollment.

In the study - titled “What Happens to People Losing TennCare Coverage?” - individuals who have lost TennCare will be asked about their perceived health status; responses will be compared over time. Collaborating investigators are Jim Bailey, MD, MPH, associate professor in internal medicine and preventive medicine, and Cyril Chang, PhD, with the University of Memphis.

Leonard R. Johnson, PhD, interim vice chancellor for research and holder of the Thomas A. Gerwin Chair of Excellence in Physiology, was invited to present the John H. Walsh Memorial Lecture at the University of California Los Angeles College of Medicine on Friday, March 17.

The title of Dr. Johnson’s lecture was “Polyamines & Signaling In Apoptosis.”

J. Perry McGinnis, Jr., DDS, of Loudon, Tenn., has been selected as the 2006 UTHSC College of Dentistry Outstanding Alumnus. He received the award March 3 at the annual alumni luncheon in Memphis.

Russell Gilpatrick, DDS, dean of the UTHSC College of Dentistry said, “Dr. McGinnis has contributed significantly to the dental profession throughout the Mid-South. He has set the standard for excellence in each endeavor he has attempted and deserves this recognition in every way.”

Dr. McGinnis completed his undergraduate studies at the University of Tennessee in Knoxville. He earned his DDS degree and completed postgraduate training in pathology at UTHSC in 1959.

Dr. McGinnis has held various academic positions. He was assistant, then associate professor of oral pathology at the UT College of Dentistry from 1967 to 1977.

Later in his career he served at the University of Mississippi School of Dentistry, where he retired as dean in 2001.

Dr. Perry McGinnis

Karen Johnson, MD, MPH, professor in the Department of Preventive Medicine, had two recent research findings published last month.

As the principal investigator, Dr. Johnson worked with the National Institutes of Health’s Women’s Health Initiative (WHI) on two major clinical trial studies.

The first article was published Feb. 8 in the Journal of the American Medical Association.

The clinical trial results in this study reflected that an eating pattern lower in total fat did not significantly reduce the incidence of breast cancer, heart disease, or stroke, and did not reduce the risk of colorectal cancer in healthy postmenopausal women.

The second article, published on Feb. 16 in The New England Journal of Medicine, related that calcium and vitamin D supplements in healthy postmenopausal women provide a modest benefit in preserving bone mass and prevent hip fractures in certain groups including older women.

The clinical trials also suggested that calcium and vitamin D supplements did not prevent other types of fractures or colorectal cancer. While generally well tolerated, the supplements were associated with an increased risk of kidney stones.

On Memoriam

The UTHSC community extends condolences to:

Deborah Northcross, director for Community Outreach, on the loss of her father, Dr. Theron W. Northcross, who died on Tuesday, Feb. 14.

Beverly Goodwin Sousoulas, in the Department of Preventive Medicine, on the loss of her son, Earl Goodwin Sousoulas, who also previously worked at UTHSC.
The March of Dimes Tennessee Chapter has helped to advance maternal and infant health in Memphis by supporting the Children’s Foundation Research Center at UTHSC. The research center has partnered with the Memphis and Shelby County Health Department to implement a prenatal education program with Latinas, which is designed to support healthy behaviors and encourage early care.

Titled “Comenzando Bien” (translated, “beginning well”), the prenatal program is being implemented at the Hickory Hill Public Health Clinic and CentroSalud, which serve a large Hispanic population. Marian Levy, DrPH, RD, of the Children’s Foundation Research Center stated, “We are grateful that successful fund-raising efforts, such as WalkAmerica, make it possible for the March of Dimes to support efforts to help more babies be born healthy in Shelby County.”

Grant Helps Children’s Center

Delta Dental of Tennessee has made a $300,000 donation to the College of Dentistry at UTHSC. This finalizes a commitment by Delta Dental to donate $1 million to the college. As 76 percent of dentists in Tennessee have graduated from the college, this represents a great investment in the dental healthcare of Tennesseans.

“We are very grateful to Delta Dental of Tennessee for its generous support. The college has a strong history of producing dentists with exceptional clinical skills. We now have the greatest number of interactive virtual-reality units in the world, and this additional gift will go a long way toward ensuring a technologically advanced education for the next generation of dental students,” said Dean Russell Gilpatrick, DDS.

Continuing Medical Education

Below is a highlight of up-coming continuing education events. Visit www.utmem.edu/cme for brochures and additional information.

• Symposium on Critical Care & Emergency Medicine — March 30 - April 1 in Hot Springs, Ark.
• Latest Advances in Surgery of the Aging Face — April 6-8 in Hilton Head, S.C.
• 8th Annual Palm Beach Cancer Symposium — April 7-8 in Palm Beach, Fla.
• The Memphis Eye Society Annual Convention — May 13 in Memphis
• 19th Annual Contemporary Issues in OB/GYN — July 31 - Aug. 5 in Destin, Fla.

As an active UTHSC employee, if you or your spouse are enrolled in one of the three State of Tennessee Group Medical Plans (PPO, POS or HMO), and are 65 or over, did you know it is not necessary to be enrolled in the Medicare Part B Plan?

That’s right! Many folks start Medicare Part B (for doctor visits and out patient services) when they first turn 65 and receive their Medicare Part A card (in hospital services). In most cases Medicare Part B is not necessary until you retire from the university.

At retirement the campus insurance office will complete a verification for social security stating when your state group medical coverage will end and then Medicare Part B will begin, with no penalty for joining at a later date than age 65.

For more information about this and other insurance benefits, contact the campus insurance office at 448-5577.
Eye Researchers Explain Vision and Express Thanks

Four University of Tennessee Health Science Center (UTHSC) researchers had the opportunity to personally thank the family who is helping make their work possible when they were recognized at The Gerwin Research Awards last month.

Dorothy K. Gerwin established the Daniel L. Gerwin Post-Doctoral Research Endowment Fund in Ophthalmology in memory of her beloved husband. On Feb. 23, she sat on the front row of the Freeman Auditorium at the UTHSC Hamilton Eye Institute as researchers expressed their gratitude for her generosity and highlighted their research efforts for the audience.

Elizabeth A. Fitzpatrick, PhD, and Rajesh K. Sharma, MD, PhD, were named Gerwin Scholars, while Stacy Lynne Donovan, PhD and Felix R. Vazquez were honored as Gerwin Fellows.

Barrett G. Haik, MD, FACS, Hamilton Professor and chair of the Department of Ophthalmology, summed up their appreciation to Mrs. Gerwin by saying, “We know you do this from the heart... Without you a lot of this work would not have existed.”

The work he referred to is the research these four scientists have conducted to better understand the eye. The awardees each presented what they have started in the lab and shared their research plans for the future.

In honor of the Gerwin Family and their contributions, Dianna Johnson, PhD, Hiatt Professor of Ophthalmology and director of research, presented Mrs. Gerwin with a plaque that will be showcased in the Vision Research Center located on the 7th Floor of the Hamilton Eye Institute.

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Training & Development...

IRIS Training Overview

IRIS is the computer system used by UT to perform financial and human resource related functions. Financial functions include accounts payable, accounts receivable, journal entries, budgeting, procurement reporting, travel and purchasing. Human resource functions include recruitment, hiring, time management, payroll and benefits.

To attend the training class that applies to your work role, visit the training database at www.utmem.edu/hrtraining/.

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March is Employee Assistance Awareness Month

Do you sometimes dread coming to work? Is it a chore to maintain a positive attitude when faced with criticism, excessive work demands, frustrations and even boredom?

Learn how to stay energized in spite of the above-mentioned distractions. As part of the Employee Assistance Program (EAP), faculty and staff can discover how to stay motivated, relaxed and resilient even in times of turmoil.

In recognition of EAP Awareness Month, Magellan Health Services, UTHSC’s EAP provider, will present a supervisory training seminar (supervisors/managers only) from 10 a.m. to noon on March 14 in the SAC, Room 214. Also, the seminar “Spring Forward: Re-Energize Yourself,” will be available for all employees from 1 to 2 p.m. on March 28 at the same location.

Don’t miss these two dynamic seminars. Participants will learn how to act positively by becoming a navigator instead of a victim.

For more information, visit http://www.utmem.edu/oed/EmployeeRelationsServices.htm or call 448-2112.

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2006 Johnson Distinguished Visiting Lecturer

The former senior vice president for research and development of General Electric Corp. (GE), Walter Robb, PhD, will be the 2006 James Gibb Johnson Distinguished Visiting Lecturer hosted by the College of Health Science Engineering.

He will speak on “Pushing the Boundaries in Medical Imaging--History & Forecast” at 3:30 p.m. on Friday, March 31 in the GEB Room A-102.

Dr. Robb led the GE Research and Development Center in Schenectady, N.Y., from 1986 to 1992, when he retired after 41 years with GE. He is credited with spurring the development of high-speed CT scanners and the use of superconducting magnets in MR scanners.
Participants will have a chance to win a free Palm TX handheld computer!

Also, thanks to generous sponsors, there is no longer a charge for the symposium. Space is limited for this free event, and preregistration is required: http://library.utmem.edu/pda.

Keynote Speaker:
Scott Strayer, MD, MPH
University of Virginia Health Systems
Author of Handhelds in Medicine
“Clinical Decision Making in Three Minutes or Less: Using PDAs to Practice Information Mastery at the Point of Care”

(The symposium will host two additional concurrent speakers.)

During March, Mohammad Jahanzeb, MD, chief of the Division of Hematology and Oncology at the University of Tennessee Cancer Institute, will discuss cancer and treatment options on an educational television series “I Can Cope.” The shows will air on the Memphis Public Library channel, YWPL Channel 18 on Time Warner cable. Show times are Mondays at 4:30 p.m., Tuesdays at 10:30 a.m., Thursday at 2:30 p.m., Fridays at 8 a.m., Saturdays at 7 a.m. and Sundays at midnight.
21
“Rapid Response Teams: Proven Strategies, Measurable Results” (VHA Satellite)
Peter Plantes, MD; Lillee Gelinas, RN, MSN; Cynthia Hare, MBA; Rinaldo Bellomo, MD
11:30 a.m.-1 p.m., Coleman Building, Room A-140
More info: jtidwel8@utmem.edu

“Molecular Development and Cellular Repair of Corticospinal Motor Neuron Circuitry”
Jeff Macklis, MD, HST, Harvard Medical School
Noon, Link Auditorium
More info: bjsmith@utmem.edu

22
“Psychostimulant-induced Effects on Monoamine Transporters: Implications for Neurotoxicity”
Annette E. Fleckenstein, PhD, University of Utah
12:30 p.m., Link Auditorium
More info: jfountain@utmem.edu

“Anchors High Risk OB Conference: Case Presentation”
(Live from UAMS)
Curtis Lowery, MD
7-8 a.m., 920 Madison Avenue, Suite 434
More info: jtidwel8@utmem.edu

24
“Functional in Vitro Assay of Interactive Biomaterials”
UM/UT Biomedical Engineering Seminar Series
William “Monty” Reichert, Duke University
3:30 p.m., U of M Campus, Engineering Administration Building Room 203
(Refreshments prior to the presentation)
More info: (901) 678-3733

27
“Title TBA”
Peter Geiduschek, PhD,
University California, San Diego
4 p.m., Link Auditorium
More info: rhori@utmem.edu

28
“Synaptic Vesicle Dynamics in a Retinal Presynaptic Terminal”
David Zenisek, PhD,
Yale University School of Medicine
Noon, Link Auditorium
More info: bjsmith@utmem.edu

29
“Arachidonic Acid Metabolites as Endothelium-derived Hyperpolarizing Factors”
William B. Campbell, PhD, Medical College of Wisconsin
12:30 p.m., Link Auditorium
More info: jfountain@utmem.edu

“A Career of ARDS: Have We Made Any Progress?”
Medicine Grand Rounds
Leonard D. Hudson, MD, University of Washington
8 a.m. Coleman North Auditorium
More info: bedman@utmem.edu

30
“Smooth Muscle / K+ Channels”
Dr. Ligia G. Toro de Stefani
UCLA School of Medicine
3:30 p.m., Nash Building - Room 516
More info: dnutting@physio1.utmem.edu

31
“Pushing the Boundaries in Medical Imaging—History & Forecast”
UM/UT Biomedical Engineering Seminar Series
Walter Robb,
2006 James Gibb Johnson Distinguished Visiting Lecturer
Second Annual UT College of Health Science Engineering Day
3:30 p.m., GEB A-102
More info: (901) 678-3733

“Learning from Katrina: Tough Lessons in Preparedness and Emergency Response”
Various Faculty
1-2 p.m., Coleman Building, Room A-140
More info: jtidwel8@utmem.edu

“Play-centric Games Education”
Chris Swain, University of Southern California School of Cinema-Television
11:30 a.m., GEB Room 304-A
More info: crussell@nursing.utmem.edu

3
“Structure-Function Studies of HIV-1 Protease Drug Resistance”
Ladislau Kovari, PhD, Wayne State University
4 p.m., Link Auditorium
More info: mhowe@utmem.edu

7
“Micro- and Nanofabricated Devices for Chemical and Biochemical Measurement Systems”
UM/UT Biomedical Engineering Seminar Series
Michael Ramsey, University of North Carolina
3:30 p.m., U of M Campus, Engineering Administration Building Room 203
(Refreshments prior to the presentation)
More info: (901) 678-3733