

The Research Notebook

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Dear Colleagues,

This spring has been a busy time since I became the Interim Vice Chancellor for Research. As always, the staff and the Research Council are striving to provide a supportive environment for investigators to be successful in obtaining grant awards. As the new fiscal year approaches, I wanted to share with you some new and/or improved programs within the VC for Research's office.



Dr. Larry Pfeffer

- Enhancements to bridge funding. The Research Council has approved \$220,000 in incremental funding for this initiative. In addition, the maximum allowable award will be increased from \$50,000 to \$75,000.
- Lab Animal Care Unit Per Diem rates will not change. Although the LACU FY 2013 Rate Book had projected a 3% increase in rates for FY 2014, we have decided to maintain the current year's prices through this next fiscal year.
- Biosafety Certifications. Two NSF-certified professionals currently working in the RBL will begin providing biosafety certifications for all labs on campus at no cost.
- Small instrumentation repair services. Several years ago the university discontinued its support of providing in-house repairs for small equipment and instrumentation within the research labs. Within the next few weeks, a dedicated technician will be hired to fulfill this need.

Each of these new or enhanced initiatives was effective July 1. More detailed information will be forthcoming either within this edition of the newsletter or by subsequent communication over the next few weeks.

Lawrence M. Pfeffer, Ph.D.
Interim Vice Chancellor for Research

Biomedical Informatics Group (BIG) Starts Monthly Lunch Meeting

Since March, a diverse group of individuals from across the UTHSC campus and the city of Memphis has been meeting to discuss innovations in the area of biomedical informatics and build networks for future collaboration. The purpose of BIG is to build a core group of faculty, staff and students from universities and health care providers across Memphis who are interested in practical approaches to information opportunities and challenges facing our institutions, providers and investigators. We will meet monthly, feature a brief presentation on an innovation in biomedical informatics, and discuss how that innovation might be adapted and used to meet our needs. Anyone with an interest in biomedical informatics (how to build it, how to use it, or even – what is it?) is welcome to attend and share their ideas.

Our Biomedical Informatics Group (BIG) meets at noon on the fourth Friday of the month, August through May, in 910 Madison, Room 502. Lunch is served (look for campus-wide announcements to reserve your lunch).

At our inaugural meeting in March, we had 33 people share their common interests in biomedical informatics and enjoy lunch. Dr. Ian Brooks, Director of the UTHSC Office of Biomedical Informatics, made a brief presentation on, “What Can We Learn from Vanderbilt's Synthetic Derivative? A Rich Clinical Data Resource Stripped of Personal Identifiers.” We were very excited by the enthusiastic turnout.

At our second meeting, on Friday, April 26, we had 30 attendees and Dr. Ramin Homayouni, Director, Bioinformatics Program & Center for Translational Informatics, University of Memphis, provided a thought-provoking presentation on “Development of an Automated, Real Time Surveillance Tool for Predicting Readmissions.”

At our most recent meeting on Friday, May 24, we again had 30 participants and Csaba P. Kovesdy, MD, FASN, Fred Hatch Professor of Medicine in Nephrology, Director, Clinical Outcomes and Clinical Trials Program, Division of Nephrology generated a great deal of discussion with his presentation entitled, “Real World Clinical and Administrative Databases: The Veterans Affairs System.”

Our next BIG lunch will be held on Friday, August 23, 2013 in our usual room (910 Madison, Room 502), speaker to be announced.

To learn more about UTHSC BMI resources, contact Dr. Ian Brooks (Ibrooks@uths.edu). If you would like more information about BIG, come to a BIG lunch, or contact our coordinator, Dr. Teresa Waters (twaters@uthsc.edu).

CITG Research Pilot Project Support Programs

The Center for Integrative and Translational Genomics (CITG) provides two types of support to investigators for work that will lead to grant apps and papers.

The first form of assistance is the CITG BXD free mouse program: <http://citg.uthsc.edu/development/mspp.php>. The application is very easy and may result in 60+ free BXD mice.

The second form is CITG support for advanced genomics that exploits the MRC next-generation sequencing capabilities. This support is not intended (usually) for single product rtPCR, but instead for array, RNA-Seq, epigenomic, or other sequencing projects. Typically support has been awarded at \$8,000 per project. We currently have funds available for up to 10 projects.

The application for advanced genomics support is also very simple: submit a one page Research Summary that includes a justification for use of MRC facilities and equipment and describes how this support will help lead to papers and grant applications. Then add a draft budget. Send this information via email to tmarkmaj@uthsc.edu. You may need to consult with Bill Taylor and Terry Mark-Major regarding costs for assays and sequencing.

We look forward to your applications.



Hold the Date for IACUC Training Workshop September 16th

UTHSC and St. Jude Children's Research Hospital will join with the Scientist Center of Animal Welfare (SCAW) as it presents an IACUC training workshop on September 16, 2013 at the Marriott Hotel. SCAW organizes several workshops a year hosted at various sites across the country and tailors these offerings to the needs of the local animal care and use programs and the people that serve them. Topics for presentation and discussion will include the evaluation of Scientific Merit and Cost Benefit Analyses, Creating a Proactive and Engaged IACUC, Disaster/Contingency Planning, and Responsible Conduct of Animal Research. Representatives from federal regulatory agencies and accrediting organizations will participate and be available to answer questions. Please contact the Office of Research Compliance (Mary Frances Braslow x3904) for additional details.



Bridge Funding Support

The Office of the Vice Chancellor for Research encourages faculty to apply for bridge funding. The UTHSC Research Council approved an additional \$220,000 in funding, for a total bridge support fund of \$660,400, effective fiscal year 2014. In addition, the maximum allowable amount of an individual's award has been increased to \$75,000.

Any full time faculty member, tenured or tenure-track, who was a principal investigator on a grant that was funded by a national funding agency (e.g., NIH, NSF, American Heart Association) for at least three consecutive years, and whose application for continued support from that or another national funding agency has not been funded, shall be eligible for bridge funding. Bridge funding is not intended to substitute for outside research funding; it is intended to provide for limited, interim funding to an investigator who had applied for, but failed to receive, renewal funding for ongoing research. This funding is intended to provide University of Tennessee Health Science Center faculty members with temporary, reduced support in order to keep key personnel and continue laboratory or research operations while full support is being sought from outside agencies.

A letter of application should be addressed to Lawrence Pfeffer, Ph.D., Interim Vice Chancellor for Research, and submitted with required information in PDF format electronically to Jane Poulos, jpoulos@uthsc.edu. The bridge fund review committee will meet three times per year. Deadlines for submitting applications: August 15, December 15, and April 15.

For details regarding eligibility and the application process, go to: http://www.uthsc.edu/research/research_resources/bridge_funding/docs/bridge_funding.pdf

You may contact Jane Poulos jpoulos@uthsc.edu, 901-448-3746 with any questions.



Save the Date for Grant Consultant Dr. Israel Goldberg August 21 and 22

Dr. Israel Goldberg, President of Health Research Associates, will visit the UTHSC Memphis campus August 21st and 22nd, 2013. Dr. Goldberg is under contract with the UTHSC Office of Research and has provided consultation that proved invaluable for the successful awarding of a number of NIH grants to faculty. Dr. Goldberg is available to assist faculty with individual grants, as well as training grants and other programmatic funding.

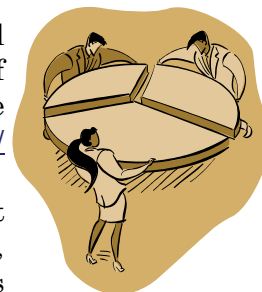
Faculty members may request one-on-one or small group consultation meetings with Dr. Goldberg during his visit. Long distance consultation can also be arranged. Please contact Ms. Lisa Bronte (lbronte@uthsc.edu) for scheduling.

Animal Use in Collaborative Studies Involving More Than One Institution

Studies involving collaborative efforts at different institutions require special attention, both with regard to the IACUC approval process and administration of any corresponding grants. These requirements are summarized in an FAQ from the NIH Office of Laboratory Animal Welfare (OLAW). http://grants.nih.gov/grants/olaw/faqs.htm#proto_8.

Awardee institutions are required to have formal written agreements that address all aspects of a grant and this includes agreements relating to review, approval, and post-approval monitoring of animal research activities. It is specifically noted that redundant review and monitoring is not expected. All animal work must take place at sites that hold an approved Animal Welfare Assurance, and if both institutions hold an Assurance then it is up to those institutions to develop an agreement regarding responsibilities of each IACUC. In practice, each IACUC typically takes responsibility for the work carried out at its own institution, and shares information related to protocol approval and subsequent monitoring of animal activities with the other IACUCs.

As a somewhat related issue, use of grant support for the purchase of custom antibodies or custom surgical preparations from a commercial entity also requires verification of OLAW Assurance and "project-specific" IACUC approval as described by OLAW http://grants.nih.gov/grants/olaw/faqs.htm#App_2.



Laboratory Animal Care per diem Rates for FY14

The Laboratory Animal Care Unit and the Research Council are pleased to announce there will be no increase in per diem and service rates for FY 2014 (July 1, 2013 – June 30, 2014). Last year we published projected rates for FY14, and FY15 that included a 3% increase, however the increase for FY14 will not be implemented. Please be advised, however, the LACU budget is subject to variation from year to year based on many factors such as census, staffing, and cost of supplies and replacement caging and equipment. We will publish projected rates for FY15 and FY16 based on inflation, labor, and other volatile costs that are expected to increase over time.

We appreciate the continued support from administration and faculty for the animal resource program as we move forward to accommodate the increased complexity of research at UTHSC while maintaining full compliance with Federal regulations and accrediting agency standards. These resulting changes increase demand for qualified personnel and resources as well as challenge our efforts to maintain an AAALAC accredited program. We will continue to implement procedural changes to protect the health of valuable animal subjects, improve efficiency of the overall animal care operation, and promote the highest level of animal care.

Animal Order Deadline Changes

ACAP, IACUC's component of the Tennessee Electronic Research Administration (TERA) suite of applications, was rolled out six months ago. This software provides a mechanism where an investigator is able to order animals which meet approved protocol specifications. Although ACAP has improved workflow and reduced errors, the direct communication of orders from UTHSC to various vendors often necessitates additional communication with the PI and the vendor as availability of certain strains, ages, and weights may vary. In that each vendor has a firm cut-off for confirming animal orders, we will enforce our existing deadline of Tuesday at 5:00 pm for placing animal orders for the next week's delivery. Effective July 1, 2013, late orders will no longer be accepted and all animal requisitions received after 5:00 pm on Tuesday will be processed for delivery the following week.



FREE Annual Biosafety Cabinet Certification Services!

The Regional Biocontainment Laboratory is pleased to announce that in-house biosafety cabinet certification is now available **free of charge** to all UTHSC investigators for biosafety cabinets (BSCs) located in University owned research facilities.

RBL facilities personnel Sam Woods and Rob Benson will be performing the BSC certifications. Both are NSF-49 accredited for BSC certification and each have over 10 years of experience working with various manufacturers of biosafety cabinetry. There are currently only 3 technicians with NSF-49 credentials in the Memphis area and we are proud to have 2 of them right here at UTHSC!



Rob Benson and Sam Woods

Investigators must register their BSCs prior to requesting any certification services. To get started, please visit http://www.uthsc.edu/research/research_compliance/IBC/protected/bssc Certification.php and download the BSC registration form. Fill in the blanks and click the "SUBMIT" icon to email to bsc@uthsc.edu to get the equipment registered into a database of campus-wide BSCs. This link is restricted to personnel with UTHSC credentials and you will be required to enter your UT user name and password to access the page and complete the form.

Once you have registered your BSC, certification services can be requested by sending an email to bsc@uthsc.edu at least 30 days in advance of the certification due date to schedule the work. You will be contacted via email to set up the certification date and time. BSCs must be cleaned and emptied out before any certification work can be performed. Details will be provided when the certification is scheduled.

General BSC repair services and decontamination are also available but are not covered under standard certification. Requests for repair work will be scheduled as soon as workload permits. Principal investigators will be responsible for the cost of any replacement parts, HEPA filters and decontamination procedures.

Notice to Investigators Working with Toxins

In an effort to ensure University compliance with the Due Diligence clause in the revised Select Agent regulations, all investigators on campus working with **any quantity** of the agents listed below must contact the Responsible Official for our select agent program, Dr. Gerry Byrne, to report any select toxin in their possession. Note that select toxins are exempt from the select agent requirements as long as the total quantity possessed by a single investigator is below the reporting threshold in the amount column. If you possess any of the select toxins in the table below regardless of quantity please contact Dr. Byrne at gbyrne@uthsc.edu or 448-3546 to report your current toxin and inventory.

HHS Toxins	Amount
Abrin	100 mg
Botulinum neurotoxins	0.5 mg
Short, paralytic alpha conotoxins	100 mg
Diacetoxyscirpenol (DAS)	1000 mg
Ricin	100 mg
Saxitoxin	100 mg
Staphylococcal Enterotoxins (Subtypes A, B, C, D, and E)	5 mg
T-2 toxin	1000 mg
Tetrodotoxin	100 mg

UT College Of Medicine Chattanooga Annual Research Award Winners

The UTCOMC and Erlanger Health System presented this year's Research Week, April 15th - 19th. On Friday, April 19, residents gathered in the Probasco Auditorium to present and discuss their research. Judges for the event were Amar Singh, MD, Department of Surgery; David Stern, MD, UTHSC Executive Dean College of Medicine Dean; and Melvin Twiest, MD, former Erlanger Chief Medical Officer.

Awards and cash prizes were presented during a dinner that evening at the Walden Club. We are pleased to announce the winners of this year's Research Week Awards. Congratulations to all who



L to R: Melvin Twiest M.D., David Stern, M.D., and Amar Singh, M.D.



L to R: Joshua Worthington, M.D., Matthew Higgins, M.D., Benjamin Lambert, M.D., Alexander Lemons, M.D., Jared Shell, M.D. Brian England, M.D., and Daniel Zapko

participated in the event.

Research Presentation

Coddington Award Best Research Presentation – Dr. Joshua Worthington (Surgery)

“Outcomes of Elderly Patients Undergoing Elective Abdominal Surgery”

2nd Place – Drs. Jared Shell and Bryan England (Emergency Medicine)

“Pre-Hospital Creatinine Decreases Door-to-CT Times But Not Door-to-Treatment Time in Stroke Patients Undergoing Acute Interventional Therapy”

3rd Place – Drs. Bryan England and Jared Shell (Emergency Medicine)

“Patients Undergoing Endovascular Therapy for Middle Cerebral Artery Strokes Have Worse Outcome When Associated With Coexistent Thrombosis of the Ipsilateral Internal Carotid Artery”

4th Place – Dr. Alexander Lemons (Orthopaedic Surgery)

“Arthroscopic Biceps Tenodesis in the Lateral Position: An Osseous Tenodesis Technique Integrated Into Rotator Cuff Repair”

Case Study

1st Place – Drs. Bryan England and Jared Shell (Emergency Medicine)

“Usefulness of CT Perfusion Scan in Treatment of an Acute Stroke Patient With Unknown Time of Symptom Onset”

2nd Place – Dr. Matthew Higgins (Orthopaedic Surgery)

“Total Knee Arthroplasty With Autograft Patellar and Allograft Extensor Reconstruction in a Patient With Multiple Prior Quadriceps Ruptures and Patellectomy: A Case Report”

3rd Place – Dr. Benjamin Lambert (Emergency Medicine)

“Fatal Anaphylaxis Following Copperhead Envenomation”

4th Place – Drs. Ryan Moore and Daniel Zapko (Transitional Year and Internal Medicine)

“Abdominal Aortic Aneurysm With Inferior Vena Cava Compression: An Unusual Cause of Deep Venous Thrombosis”

LACU Procedure for Importing Laboratory Animals

The Laboratory Animal Care Unit routinely assists UTHSC investigators with the importation of rodents from other research institutions. David Hamilton, DVM (dhamilt7@uthsc.edu, 8-7311), oversees and approves the importation process by reviewing health records for the incoming animals before their arrival is authorized. As a reminder, all rodents imported to our campus from non-approved vendors or from other research institutions must go through an 8-week quarantine period prior to being housed in one of the UTHSC animal facilities. Please contact Dr. Hamilton for assistance with importing rodents and, for more information, refer to the import/export document found on the LACU home page: http://www.uthsc.edu/research/research_resources/LACU/

NIH Medical Student Summer Research Fellows

The NIH sponsored Medical Student Research Fellows Program (MSRF) at UTHSC has accepted 20 students in its 34th year. The MSRF Program introduces students to biomedical research, careers in academic medicine, and provides an excellent opportunity for professional and academic growth. Students are awarded MSRF following a competitive review of their proposals developed and submitted together with their faculty preceptors. Proposed projects are well-focused and expected to be completed within two to three months. This year's research scholars, their preceptors, and project titles are listed beginning on page 7.

David Bulger, one of UTHSC's M-2 Medical students in the MSRF program, was mentored by Dr. Solomon this past summer. Mr. Bulger will enter a 3-year NIH sponsored doctoral program at either Oxford or Cambridge, UK in the fall. His selection for the PhD program represents a significant accomplishment as the competition for the position was drawn from all US Medical Schools.

Starting this summer, Ms. Shannon Niedermeyer M-2 will be taking a year out after her summer MSRF (2012) to continue work with Professor Jim Dale on Group A streptococcal vaccines. In addition to these students a number of other members of this class are taking time out for advanced degrees and research work.



Front row from L to R: Dr. Syamal Bhattacharya (Executive Director), Kaitlin Ray, Sherell Hicks, Tara Bea (Program Coordinator), Audrey Garneau, Hanna Fish, Lindsay Meyers, Dr. Sol Solomon (Director/Principal Investigator), Eric Sollenberger, Joseph Oros, Lauren Price, Keith Nord

Back row from L to R: Cole Smith, Kristie Chang, Raymond Howard, Lori Shenep, Daniel Eastlack, Lewis George, Emily Bruno, David Bulger, and Spencer Conner

Not pictured: Alex Kovalic, Casey McCormick

2013 NIH Medical Student Summer Research Fellows

Student	Mentor	Proposal
Bruno, Emily	Frankie Stentz, PhD	Effect of High Protein vs. High Carbohydrate Diet on Weight Change and Metabolic Parameters in Prediabetic, Obese Subjects
Bulger, David	Sol Solomon, MD	Renewal of summer medical research fellowship project: role of PTEN in TNF- α induced insulin resistance
Chang, Kristie	Charles Leffler, PhD	Permissive role of prostacyclin in cerebral vasodilation to H ₂ S in newborn pigs
Conner, Spencer	Sol Solomon, MD	Treatment of diabetes mellitus and osteoporosis with insulin metformin
Eastlack, Daniel	Arthur Nienhuis, MD	Developing Functional Tests to Evaluate WASp Deficient Macrophages in vitro
Fish, Hannah	Barney Elam, MD	Molecular mechanisms of statin intolerance
Garneau, Audrey	Ivan Gerling, PhD	Transcriptomic Study of Islet of Langerhans from the Pancreas of NOD and Control Mice
George, Lewis	Kafait Malik, PhD	Cytochrome p450 1b1 derived metabolite(s) of estradiol contribute to the diminished effect of angiotensin ii-induced hypertension and associated pathophysiological changes in female mice
Hicks, Sherell	Abbas Kitabchi, MD, PhD	Effect of High Protein vs. High Carbohydrate Diet on Weight Change and Metabolic Parameters in Prediabetic, Obese Subjects
Howard, Raymond	Jena Steinle, PhD	Dissecting the Insulin Growth Factor-1 Independent Apoptotic Pathway of Retinal Endothelial Cells
Kovalic, Alex	Eldon Geisert, PhD	Presence of biomarkers in detection of early stage glaucoma
McCormick, Casey	Scott Heldt, PhD	Effect of Zolpidem on GABA _A Receptor Sequestration and the Involvement of P K C and P KA
Meyers, Lindsay	Lidia Gardner, PhD	Apolipoprotein A1 (ApoA1) as a serum biomarker to distinguish among multiple sclerosis (MS) subtypes
Nord, Keith	Karen Hasty, PhD	A Nanomedicine Approach for Inhibition of NF κ B Activation in Osteoarthritis
Oros, Joseph	Marcia Honig, PhD	Disruption of Blood-Brain Barrier Following Spinal Cord Injury in Mice
Price, Lauren	Linda Myers, MD	The Importance of Syk in Modulating Collagen Induced Arthritis
Ray, Kaitlin	Andrew Davidoff, MD	MAPK and PI3K targeted therapy in adult versus pediatric melanoma: do age-related signaling differences exist?
Shenep, Lori	James Dale, MD	Protective Immune Response against Group A Streptococcal Infections in Mice Actively and Passively Immunized with M-related Proteins
Smith, Cole	Monica Jablonski, PhD	Drug efficacy studies in the RCS rat
Sollenberger, Eric	Alessandro Iannaccone, MD	Role of Auto-immunity in Neuro-Retinopathy

Office of Research Administration

Is It Research or Is It Service?

It can be confusing to know which agreements are handled by the Office of Research Administration (ORA) and which agreements are handled by Finance and Operations (F&O). We've put together a few tips to help you know which office to work with on your agreement. As always feel free to contact us with any questions.

ORA handles (route through PAMS):

- Agreements to conduct research or other sponsored activity; these documents typically involve IACUC or IRB approval and the associated budget includes F&A.
- Clinical trial agreements; these contracts also require IRB approval.
- Subawards (payables and receivables); these agreements typically occur as part of a federal or non-federal grant or contract.
- Material transfer agreements for both incoming and outgoing materials
- Confidentiality/Non-disclosure agreements
- Grant agreements; these agreements typically are required to accept funding from foundations such as AHA, ALA, etc.

F&O handles (submit via IRIS):

- Service contracts
- Data use agreements
- Consulting agreements
- Affiliation agreements
- Software agreements
- Dual services agreements with other state institutions

Please note that the contracting party for both types of agreements is The University of Tennessee; the investigator is not a party to the agreement. Also, please note that ORA or F&O will obtain official UT signature; only authorized signatories are allowed to sign any of these documents, investigators and department heads and deans are not authorized signatories on contracts.

For questions about research agreements in ORA, please contact Margaret Everett (901 448-2037) for MTAs and Trent Pitts (901 448-3303) for all other agreements. You may also contact Debbie Smith 901 448-4823.

For questions about business agreements, please contact Sandra Pulliam 901 448-4890.



Uncertain funding Continues Under Sequestration

UTHSC is beginning to see a few revised NIH notices of grant awards (NOGAs) restoring some of the funds that were cut from awards earlier in the federal fiscal year. For those projects, the final cut is about 5% as opposed to the original 10%. This is good but not optimal news. We still have some grants that were funded for only six months that we have not had revision notices. Funding changers for those awards remains uncertain.



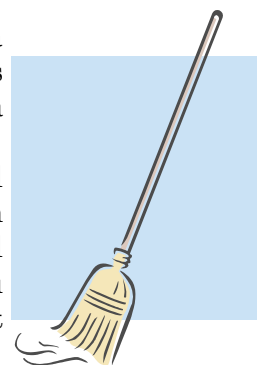
HRSA has indicated that their overall cuts also will be about 5% and that remaining payments in the fiscal year may be reduced to reflect the total. The various NIH agencies have posted announcements about their plans, and we will continue to keep the campus posted via e-mail to the FundOps listserv as this information is made available to us. If you would like to join the FundOps listserv send an email request to Debbie Smith at dsmith@uthsc.edu.

Office of Research Administration

Notices of Proposals That Are Not Funded

Periodically, ORA reviews old proposals in PAMS that have been pending for a while but for which we have not received a notice of award. These older proposals are marked unfunded, and the PI and owner of the proposal in PAMS will receive a notification of this change in status.

It is possible that a revised application may have been funded, but the original application was never marked "not funded." Occasionally, a proposal has been funded, but an award notice wasn't sent to our office. If that's the case, we will happily change the status to funded if you will send us the notice of award. If you have a question about the status change, please contact ORA at egrants@uthsc.edu. We appreciate your assistance, as always!



Welcome, Margaret Everett!

ORA is pleased to welcome Margaret Everett to our staff. Margaret is a paralegal and holds a master's degree in business administration. She comes to us from Morgan Keegan Raymond James, where she was Associate Vice-President, Compliance Specialist/Dispute Resolution Officer/Paralegal Policy. She will be primarily responsible for negotiating and tracking material transfer agreements. Please help us welcome Margaret to the UTHSC family. You may reach her at mevere10@uthsc.edu or 901 448-2037.



Reminder: Funding Opportunities Listserv

Individuals who wish to receive information on Funding Opportunities and other information made available by ORA may sign up for the ORA list-servs here: http://www.uthsc.edu/research/research_administration/listservs.php

What is SAM?

When you try to download a grant application from grants.gov, you may see a message about registration in SAM. You do not need to take any additional action; just download the form as usual.

SAM is the US Federal Contractor System for Award Management (SAM). Previously, institutions were required to register in the Central Contractor Registry (CCR), but that system has been replaced with SAM. Actually, SAM integrated eight other systems (CCR, FedReg, ORCA, EPLS, CFDA, eSRS, FBO, FPDS-NG, FSRS, PPIRS, and WOOL)! SAM was initially deployed in July, 2012; however, institutions were not required to register in SAM until their current registration (CCR for UT) expired.

UT is registered in SAM and will renew the registration annually to maintain its active status.

Abstracts in PAMS

Please be sure to include abstracts in all of your PAMS proposals. The abstract box supports pasting text from other sources, so this can be as easy as copying and pasting. For MTAs and CDAs, if the project abstract is not available we have sample language in a link at the top of the abstract box that can be copied. For amendments, resubmissions, and renewals, the original abstract was not available in our previous database. Adding the abstract during this routing will allow your record to be complete.

Thanks for your usual cooperation!



New NIH Forms Coming Soon!

Folks preparing to submit NIH applications for the fall deadlines should be aware that the NIH is issuing new forms that will be required for most applications submitted on or after September 25, 2013. The forms will be FORMS-C (we're currently using FORMS-B2). Exceptions will be some K, T, D, and SBIR packages that will be used after the first of the year. <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-13-074.html>

When the new forms are available, ORA will send out a notice and will also (as usual) post the new forms with the UTHSC-specific data pre-filled on our web site at http://www.uthsc.edu/research/research_administration/e_grant_submission.php.

Biomedical Informatics Part of SBIR Award

The Office of Biomedical Informatics, a research support division of the UTHSC Office of Research, was recently part of a successful USDA Small Business Innovation Research (SBIR) Phase II business development award. The BMI is sub-contracted by Hubble Telemedical, Inc., a Knoxville-based company developing technologies screening for diseases manifesting in the retina. The BMI was first asked to work with Hubble during their "start-up" Phase I award to develop a medical records interface and eye-image analytics system. "The development of this technology really played to our strengths in clinical-research informatics," Said Dr. Ian Brooks, Director of the BMI. "When Hubble invited us to work with them on the research and development phase II application we leapt at the chance to continue our relationship with them." The Phase II project will focus on the development of natural language processing systems to "read" clinical notes acquired from electronic medical records, and to develop systems to support Bayesian analysis of these data.

The Office of Biomedical Informatics is also pleased to announce that their research data management systems, Slim-Prim and REDCap, now support the ICD-10 diagnosis codes. ICD-10 is mandated by the Centers for Medicare & Medicaid Services (CMS) to replace the current ICD-9 system in October 2014. BMI systems now have full ICD-9 and ICD-10 look-up tables. Interfaces to crosswalk between the two clinical code sets are being developed.

Educational Technology Transitions to Information Technology Services

The Office of Academic, Faculty, and Student Affairs (AFSA) in collaboration with the Office of Information Technology Services (ITS) is pleased to announce the transition of the UTHSC Educational Technology (EdTech) Team from AFSA to ITS. Effective July 1, 2013, the EdTech Team joined ranks with peers in ITS. This transition will allow for seamless communication and collaboration between EdTech personnel and teams of other professionals providing support for our campus's technology needs.



In addition, services and resources provided by the EdTech team to UTHSC faculty, staff, and students will be expanded this summer. Here are a few examples of the new upgrades and software coming soon:

- UTHSC TV: a new streaming video server; similar to having our an internal UTHSC YouTube. Poplar mobile devices, computers, and Blackboard will be supported.
- Qualtrics: a powerful, web-based application for your academic, research, and clinical survey needs; Qualtrics is both HIPAA and FERPA compliant.
- Blackboard Service Pack 11: will provide advanced item analysis for quiz and test questions as well as a more streamlined look and simplification of common tasks.
- Adobe Connect: New phone integration will allow participants to share audio during sessions from anywhere in the world using cellular phones, landlines, microphones connected to their computers, or internal audio input on mobile devices.
- Lynda.com: UTHSC faculty and staff will have access to Lynda.com's library of over 1,900 web-based, self-paced training courses.

You may visit <https://academic.uthsc.edu/edtech/> for more information about the UTHSC Educational Technology Team.

Frequently Asked Questions

Did You Know?

Research Administration

Q: My MTA is signed for receipt of animals from another institution. Now what do I need to do to get them here?

A: If payment is required, work with your business manager to process the payment. Then, for the Memphis campus, contact Dr. David Hamilton in the LACU (448-7311).



Laboratory Animal Care Unit

Q: Is it permissible to reuse a cage card if the basic information on one card is still accurate for the other cage?

A: No, with the ACAP system, the bar coded number on the cage card uniquely identifies each cage based on the approved protocol, species, and strain and directly accounts for the number of animals allocated to that protocol. Reusing an old card could become a compliance issue as the information on the cage card would not accurately reflect the contents of the cage and may not properly count the animals transferred to that cage.

Q: How is an animal order cancelled?

A: Orders can be cancelled in ACAP until LACU begins processing the submitted order. Thereafter, it is necessary to contact the LACU administrative office by calling 448-5656 and then following up with an email to LACU@uthsc.edu.

Q: How do we separate and/or wean out animals?

A: In ACAP, under LACU requests, click the *Cage Card/Wean/Separation Request* link, then complete the request form. Two items on the form are important to understand. The selection button to answer the question, *Who will perform Separation?* i.e *PI* or *LACU* also determines who will print the cage cards for the new cages associated with this request. The selection button to answer the question, *Are these animals being weaned?*, i.e *Yes* or *No*, will, in the case of a *Yes* answer, require input of the quantity of newly-weaned animals.

NOTE – If there are no active cages currently on the protocol, the *Cage Card/Wean/Separation Request* link will be disabled.

Q: What is the process for importing animals from another institution?

A: The specific steps can be found on the LACU web page under Rodent Import/Export. See http://www.uthsc.edu/research/research_resources/LACU/. When completing the process in ACAP, submit an order request as if you are ordering from a vendor; however, choose *Other-import to UT* as the vendor.



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