

UTOR team evaluates "Lessons Learned" in proposals

The UT Office of Research has recently implemented new procedures to empower faculty at UT Knoxville and increase their chances to obtain grant funding. One of these is the after-action review, more commonly known as the "Lessons Learned" session that is scheduled after every grant submission involving the Office's Proposal Development Team.

"This process is an integral component of any professional project management team," explains Charlie Senn, program administrator in the Office of Research. "The result is significant feedback that can be incorporated into a continuous improvement model. It's critical that we gather information as soon as possible after we hit the submit button. Our sole focus is on doing things better in the future."

For example, reviewing one grant application revealed a need for the Office of Research to get involved earlier in the application process. Another review revealed the need for formatting standards to speed up the editing process. Frank "Lessons Learned" discussions create valuable input for internal "Lessons Learned" meetings that result in changed procedures at the Office of Research, Senn said.

NSF revises policies in response to America COMPETES

The America COMPETES Act, passed by Congress in 2007, is changing the landscape of federal funding for research. The National Science Foundation recently catalogued changes it is implementing in response to the act.

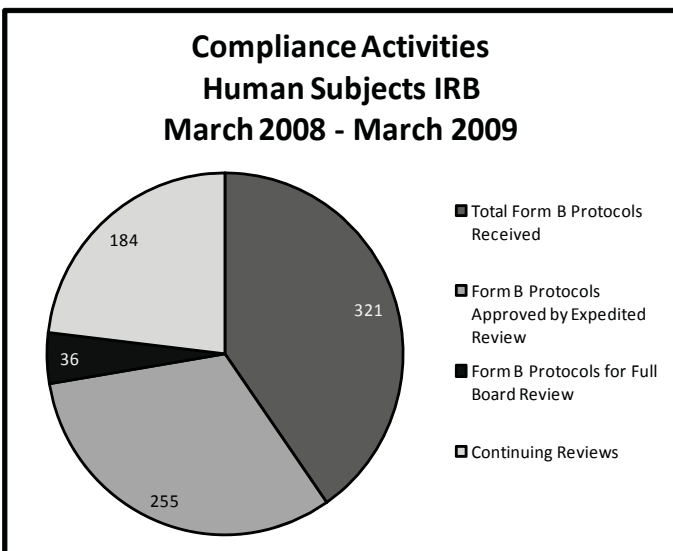
Mentoring of Post Docs: Proposals to the NSF that include postdoctoral researchers must describe mentoring activities for them and must report on those activities in annual and final reports on funded projects. The mentoring plan is not to exceed one page in proposals.

Responsible Conduct of Research: In fall 2009, proposals will have to include certification by the university's authorized organizational representative that the university has a plan that provides appropriate training and oversight in the responsible and ethical conduct of research. The plan is not to be submitted with proposals but must be available for review.

Reporting Research Results: In fall 2009, NSF plans to require principal investigators to prepare a brief summary written for the public expressing the nature and outcomes of the award. The summary is part of the act's requirement that project reports be available to the public electronically in a timely fashion.

Cost-Sharing: The agency has recommended that cost-sharing should be used only in a sparing fashion and that voluntary-committed cost-sharing should be prohibited.

Human subjects compliance activities data



The graph above gives a glimpse into the amount of human subjects research activity conducted at UTK over a twelve-month period. Form B refers to the number of protocols submitted for Expedited and Full IRB review. These numbers continue to grow each year. The Institutional Review Board (IRB) is committed to quality human subjects research and the protection of humans involved in research conducted at UTK.

For information regarding human subjects research, contact Brenda Lawson in the Office of Research, Compliances at (865) 974-7697 or blawson@utk.edu.

Use of NIH PubMed Central grows dramatically

When articles are published based on research that has been funded by the U.S. National Institutes of Health (NIH), they are also posted online for the world's benefit. PubMed Central (www.pubmedcentral.nih.gov) is a free digital archive of biomedical and life sciences journal literature at NIH, developed and managed by NIH's National Center for Biotechnology Information (NCBI) in the National Library of Medicine (NLM). Over the past three years, according to Carol Myers, NCBI/MLN librarian, the use of PubMed Central has grown tremendously, doubling the number of journals and articles and tripling the number of retrievals.

PMC Growth		
	January 2008	March 2009
Journals	327	663
Articles	873,000	1,771,000
Retrievals	7.65M/month	21.4+M/month
Unique IPs	2M/month	5.1M/month

Jackson State to host fall NSF grants gathering

Jackson State University will host the first NSF Regional Grants Conference for fiscal 2010 in Jackson, MS, 5-6 Oct 2009.

The event is designed to acquaint researchers and research administrators with current issues facing the National Science Foundation and the programs it funds.

Details: NSF Policy Office, Division of Institution and Award Support (703-292-8243, policy@nsf.gov) or http://www.nsf.gov/pubs/policydocs/newsletter/may09/index.html?govDel=USNSF_80

Two research courses available on Blackboard

The Office of Research is offering two of its training courses through On-line@UT. Faculty and staff can take on Blackboard:

- Proposal Development: Finding Funding
- Proposal Development: The Dreaded "Yellow Sheet"

The courses provide a self-paced alternative to current classroom training and can be taken for HR 128 credit. Online versions of other research courses are being developed.

Registration for the courses is required. Contact UTOR training coordinator Lesli Rowan (ortraining@utk.edu, <http://research.utk.edu/training/>) to register.

NSF, other agencies move from overloaded Grants.gov

The Office of Management and Budget has authorized all government agencies to use various alternative methods of submitting proposals because of the heavy use of Grants.gov in response to the American Reinvestment and Recovery Act.

"[N]ew funding opportunities issued by NSF will exclusively require the use of FastLane to prepare and submit proposals," said Jean Feldman, head of the National Science Foundation's Policy Office in the Division of Institution & Award Support. "[I]n order to assist Grants.gov in the effort to alleviate system strain and increase system capacity, proposers will now be required to prepare and submit proposals to NSF through use of the NSF FastLane system."

The NSF will continue to post funding opportunities to Grants.gov's FIND program.

NSF MRI program cut for FY 2010

Writing for ScienceInsider, Jeffrey Mervis reported on 11 June 09 that the appropriations committee in the U.S. House of Representatives has completely cut funding for the NSF Major Research Instrumentation program from the 2010 budget. The cut totals \$100 million.

The NSF has funded two rounds of the popular MRI in this fiscal year, the previously budgeted \$100 million for FY 2009 and a special economic-stimulus round worth \$300 million.

The panel also cut back the Advanced Technological Education program that funds specialized workforce education at community colleges.

Details: ScienceInsider, <http://blogs.sciencemag.org/scienceinsider/2009/06/house-spending.html>

Summer Newsletter Schedule

Awards & Recognition: 1 July, 29 July

News & Opportunities: 8 July, 22 July, 5 Aug

The newsletters will return to alternating weekly publication on 29 July. If you have specific information requests, contact Bill Dockery (dockerb@utk.edu, 974-2187), Craig Cook (ccook10@utk.edu, 974-3464), or Jim Mazzoucolo (jmazzoucolo@utk.edu, 974-3466).

For Proposal Budgets

Faculty preparing proposals should use the figure \$1,119/year for the cost of graduate student health insurance starting fall 2009. Tuition fees have not yet been announced.



Realignment to change NSF chemistry programs

The National Science Foundation's Division of Chemistry has realigned its programmatic structure to reflect the way that modern chemical research is typically organized. The new structure is a reflection of how chemistry research (rather than teaching) is normally done and puts meaningful names on components of the new structure.

Beginning in July 2009, the division will accept proposals in four broadly based areas of fundamental chemistry:

Chemical synthesis

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503419&govDel=USNSF_25

Chemical structure, dynamics and mechanisms

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503415&govDel=USNSF_25

Chemical measurement and imaging

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503413&govDel=USNSF_25

Theory, models, and computational methods

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503420&govDel=USNSF_25

Additionally, four interdisciplinary programs will be offered:

Environmental chemical sciences

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503416&govDel=USNSF_25

Chemistry of life processes

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503417&govDel=USNSF_25

Chemical catalysis

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503418&govDel=USNSF_25

Macromolecular, supramolecular, and nanochemistry

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503422&govDel=USNSF_25

To determine where an unsolicited proposal should be submitted, check <http://www.nsf.gov/mps/che/realign/decisiontree.pdf>

Details: Read the "Dear Colleague Letter" at http://www.nsf.gov/pubs/2009/nsf09048/nsf09048.jsp?govDel=USNSF_25

Bioengineering Research Partnerships (BRP) (R01)

The National Institutes of Health Bioengineering Research Grants and Exploratory/Developmental Bioengineering Research Grants programs are intended to encourage basic, allied, and translational bioengineering research that integrates physical, engineering, and computational science principles for the study of biology, medicine, behavior, or health. The programs are also meant to encourage collaborations and partnerships among the quantitative and biomedical disciplines. There are two grant programs with different groups of NIH institutes.

Key dates: 5 July 09 or 5 Nov 09, submission to agency.

Details: Program announcement PA-07-279

<http://grants.nih.gov/grants/guide/pa-files/PA-07-279.html>

Program announcement PAR-07-352

<http://grants.nih.gov/grants/guide/pa-files/PAR-07-352.html#SectionII>

ALERT: Nuclear proliferation FRP comes soon

The U.S. Department of Energy's National Nuclear Security Administration has announced that it will release a research-and-development solicitation for projects related to nuclear proliferation detection. NOTE: Proposals not accepted in advance.

Key date: 22 June 09, release of Funding Opportunity Announcement.

Details: <https://e-center.doe.gov/iips/faopor.nsf/UNID/E9F5E0D71AE7D053862575CC00712C6F?OpenDocument> or search grants.gov for DE-PS52-09NA29330.

NIH Systems Biology Collaborations (R01)

The National Heart, Lung, and Blood Institute has announced a solicitation for collaborative systems biology research projects by multi-disciplinary teams to advance our understanding of normal physiology and perturbations associated with heart, lung, blood, and sleep (HLBS) diseases and disorders.

Key dates: 14 Aug 09, agency letter of intent (optional); 14 Sept 09, proposal due to agency. Note: Additional submission dates are also available.

Details: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-214.html>

ONR Fundamentals of Cyberspace and Software

The Office of Naval Research is soliciting proposals in software engineering, networks, cyber-physical systems, social networks, and critical infrastructure that will address new and emerging challenges for the future naval information infrastructure, which is seen as a federated, highly mobile enterprise.

Key date: 21 August 09, full proposal to UTOR; 27 August 09, submission to agency.

Details: <http://www.onr.navy.mil/02/baa/docs/09-029.pdf>

EPA Clean Air Research Centers

The Environmental Protection Agency is soliciting applications for as many as four Clean Air Research Centers as part of its STAR (Science to Achieve Results) program. Individual awards may total as much as \$8 million over a maximum of five years. The agency is looking for applicants that take an integrated approach to their study designs, using a collective interdisciplinary approach to the large problems being addressed. An example of such integration might include atmospheric, health, and social scientists working together to understand the kinds of health effects associated with exposure to multipollutant atmospheres and how these effects might vary over time and space and may also be influenced by other factors such as neighborhood stressors, demographics, etc.

Key date: 16 November 2009, agency deadline.

Details: http://epa.gov/ncer/rfa/2009/2009_star_clean_air.html#Synopsis

Basic Research to Enable Agricultural Development (BREAD)

The National Science Foundation (NSF) and the Bill & Melinda Gates Foundation (BMGF) are partnering to support a new research program to address key constraints to smallholder agriculture in the developing world. A significant distinction between BREAD and other NSF programs is that proposals to BREAD must make a clear and well-defined connection between the outcomes of the proposed research and its direct relevance and potential application to agriculture in the developing world. The Program's focus is on novel, transformative research at the proof-of-concept stage rather than its application or development. Especially encouraged are original proposals that address major constraints to the productivity of crops important to smallholder farmers, or on the development of novel and efficient production practices.

Key dates: 5 Aug 09, required letter of intent to agency; 9 Sept 09, full proposal to agency.

Details: http://www.nsf.gov/pubs/2009/nsf09566/nsf09566.htm?govDel=USNSF_25

NIH Mechanisms, Measurement, & Management of Pain in Aging: From Molecular to Clinical (R01)

The NIH is soliciting proposals to study the mechanisms and processes by which aging and/or age-related diseases and conditions affect the experience of pain and to evaluate existing or new pain assessment methods and management approaches, especially in older adults. Applications should propose to (1) study biological, neurobiological, psychosocial, and clinical mechanisms and processes by which aging and/or age-related diseases affect the experience of pain, (2) examine biological, neurobiological, psychosocial, and clinical factors that impact pain experience and prevalence in older people, (3) evaluate existing pain assessment and/or management approaches in older adults, or (4) develop new assessment methods and/or management strategies for pain with particular attention to the needs of older adults.

Key dates: 28 Sept 09, submission to UTOR; 5 Oct 09, agency due date.

Details: <http://grants.nih.gov/grants/guide/pa-files/PA-09-193.html#PartI>

DOE High Penetration Solar Deployment (Recovery Act)

The Department of Energy is soliciting proposals to encourage photovoltaic-sourced solar electricity development, specifically (1) to develop modeling tools and databases related to a high-penetration scenario using photovoltaics on a distribution system, (2) to develop monitoring, control, and integration systems for deployment of small modular PV systems, and (3) demonstrate integration of PV and energy storage into Smart Grid applications.

Key dates: 23 July 09, submission to UTOR; 30 July 09, agency due date.

Details: Go to [Grants.gov](http://grants.gov) and search for DE-FOA-0000085.

NIH Integrating Translational Neuroscience & Adolescent Drug Abuse Treatment (R21)

The NIH is soliciting proposals that would discover innovative approaches to drug abuse treatment for adolescents, integrating innovations in neuroscience by encouraging collaborations integrating developmental neuroscience with adolescent drug abuse treatment.

Key dates: 25 Aug 09, submission of proposal to UTOR; 1 Sept 09, proposal due to agency.

Details: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-003.html>