

UPSTATE

MEDICAL UNIVERSITY

RESEARCH FORUM

Quarterly: Issue 38. Newsletter for The Office of Research Administration Summer 2010

IIBMST:

The Syracuse to Taiwan to Israel Connection Sponsors Upstate Symposium

Submit your written questions to be answered by members of Research Staff and REGELT.

Click the Ask ReGELT link below to submit a question.

Ask ReGELT!

Response to last months question asked by a member of faculty is answered on page 3.

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IIBMST, the International Institute for Biomedical Sciences and Technology, held its first international meeting on Tuesday and Wednesday, July 20 and 21 on the Upstate campus; more than 150 attended presentations focusing on vision and global health.

Tuesday's Global Health Symposium featured Upstate's Timothy Endy, MD, MPH, FACP and Rosemary Rochford, PhD, speaking on the topics of "Dengue: An emerged global health problem," and "Polymicrobial diseases and their impact on global health." James Kazura, MD, Professor of International Health and Medicine and Director of the Center for Global Health and Diseases at Case Western Reserve University presented "Malaria in the 21st century? Predictable and unpredictable consequences." Talks addressed the global health impacts of these infectious diseases, including the impact that climate change has had on bringing them closer to Central New York. Relatively new relationships between viruses and cancer, as well as the idea of finding ways to eradicate the mosquito to prevent

dengue and malaria transmission were brought forward.

Wednesday's symposium was dedicated to Dr. Robert Barlow, the driving force in the establishment of Upstate's Center for Vision Research who passed away last year. The Bob Barlow Vision Symposium featured Technion-Israel Institute Professor Ido Perlman, PhD, SUNY Downstate Professor Bil Brunken, PhD, and Upstate's Barry Knox PhD and Eduardo Solessio, PhD, addressing various aspects of retinal functioning and degeneration, as well as the eye-brain connection. Dr. Brunken serves as the Co-Director of the SUNY Eye Institute.

Dr. Steve Goodman, VP for Research, introduced the two-day symposium with a description of IIBMST as a research facility without walls that transcends scientific and geographic boundaries. Multi-disciplinary research is facilitated in the following six areas: cancer; infectious disease and emerging pathogens; disorders of the nervous system; diabetes, metabolic disorders, and cardiovascular disease; pharmacogenetics and personalized medicine; and regenerative medicine and

tissue engineering. More than 50 researchers currently approved for IIBMST membership will begin meeting in their focus areas via video conferencing. IIBMST is planning to pursue extramural support through grant programs that support multi-national partnerships, such as the International Frontiers of Science Program, Bill and Melinda Gates Foundation, and Fulbright Awards. Student-faculty exchanges and face-to-face meetings and workshops are also being planned, as well as a framework for shared IP.

IIBMST is now in its membership-building phase; and faculty of the three founding institutions, as well as from accredited college or university or related institution, are encouraged to join by submitting a IIBMST Membership Form and *curriculum vitae* to one of the founding institutions for consideration.

For more information about IIBMST and a copy of the membership form, visit the web site at <http://www.upstate.edu/researchadmin/collaborations/iibmst/>.

The VPR Corner

The International Institute of Biomedical Sciences and Technology (IIBMST)

On August 26, 2009 the International Institute of Biomedical Sciences and Technology (IIBMST) was created by its three founding institutions: Upstate Medical University; the Technion-Israel Institute of Technology in Haifa, Israel, and National Cheng Kung University in Tainan City Taiwan. Presidents from the three institutions, David R. Smith, M.D; Yitzhak Apeloig, PhD, and Michael Ming-Chiao Lai, MD, PhD, signed a wide-ranging Memorandum of Understanding to describe how this unique global research initiative will be structured. Radiating from these three home bases, IIBMST is a global initiative that will eventually unite university partners in North, Central and South America (Upstate); Europe and the Middle East (Technion) and Asia and Africa (NCKU).



The IIBMST vision is to enable international faculty from multiple disciplines -- basic and applied biological, physical, mathematical, computer and engineering sciences -- to perform collaborative research in focused areas related to human health. IIBMST's goals include breaking down disciplinary, national and international boundaries in the pursuit of collaborative team research. Further, we will create a more seamless pipeline from the academic research bench to industry produced products that benefit the global community.

The initial IIBMST Focus Groups and Group Leaders are:

1. Cancer: Professor Ziwei Huang, SUNY Upstate Medical University
2. Diabetes, Metabolic Disorders and Cardiovascular disease, Professor Hua-Lin Wu, National Cheng Kung University.
3. Disorders of the Nervous System: Professor Steven Youngentob, SUNY Upstate Medical University.
4. Infectious Diseases and Emerging Pathogens, Professor Huan-Yao Lei, National Cheng Kung University.
5. Pharmacogenetics and Personalized Medicine, Professor Ariel Miller, Technion-Israel Institute of Technology.
6. Regenerative Medicine and Tissue Engineering, Professor Lior Gepstein, Technion-Israel Institute of Technology.

The first International Inaugural meeting of IIBMST delegations occurred on July 20th and 21st, 2010 in Syracuse NY. We had very distinguished delegations from the Technion and NCKU joining us for these inaugural events. The delegations included Peretz Lavie, President; Oded Shmueli, Executive Vice President for Research; and Ido Perlman, Dean, College of Medicine from the Technion; and Michael Lai, President and Charles Lin, Dean College of Medicine (NCKU).

How you can become an IIBMST Core member!

As a follow-up to our very successful IIBMST Inaugural Celebration which was held on July 20 and July 21, 2010 at SUNY Upstate, I cordially invite you to submit a membership application to join the current 50 Core Members of IIBMST. Three electronic documents are required for membership: membership form (can be obtained at the website given below), Letter of Intent (short letter which explains your interest in a particular focus group or groups) and CV.

Why should you become an IIBMST Core member?

Please refer to <http://www.upstate.edu/researchadmin/collaborations/iibmst/>

to review what IIBMST is about and membership opportunities in the six focus group areas: Cancer, Infectious Disease and Emerging Pathogens, Disorders of the Nervous System, Diabetes, Metabolic Disorders and Cardiovascular Disease, Pharmacogenetics and Personalized Medicine and Regenerative Medicine and Tissue Engineering.

IIBMST offers you the ability to network with an outstanding group of international researchers. It also provides you access to new extramural funding opportunities such as the International Human Frontier Science Program a perfect grant platform for the interdisciplinary and international focus of IIBMST. All of its grant and fellowship programs are ideally suited to the nature and goals of IIBMST. As you will see at <http://www.hfsp.org/about/AboutProg.php> the next call for Program Grants will be announced in December 2010 with submissions in March 2011. IIBMST Core membership is free!

We look forward to receiving your IIBMST membership application.

Industry Relations Update

Attention Budding Entrepreneurs;

Do you have a patent; wonder if the technology has commercial value and how to start a company? If the answers are yes, you are a great candidate to attend a Pre-Seed Workshop. Pre-Seed Workshop is a community event where the organizers pull together teams that will help you and your colleagues build companies—not the physical structures, but the foundational plans.

The teams are led through a series of structured hands-on sessions where they investigate and transform potentially commercial technologies into pre-seed stage companies. Teams leave the workshop with a preliminary commercialization plan for a new start-up.

And it all happens in two days.

The next 2 sessions in Syracuse are scheduled for:

9/10, 9/24 **Applications are due Now**
11/5, 11/12 Applications are due 10/10

Please check out the Pre-Seed Workshop Website: <http://www.psw-ny.com/index.php>. There is no cost to UMU researchers that are interested in this program. If you are interested, please contact Cindy Dowd Greene at 4-4398 or 315-385-9527 or via email at dowdgreec@upstate.edu.



ASK ReGELT....

Dear ReGELT;

How did you decide on the acronym ReGELT?

ReGELT is an acronym for **R**esearch and **G**raduate **E**ducation **L**eadership **T**eam. It also is a bit of Jewish humor as "gelt" in Yiddish means money and **ReGELT** has as one of its charges to increase Research Expenditures by 10% annually. ReGELT is composed of Cindy Dowd Greene (Associate VP for Industry Relations), Nancy Nussmeier (Associate VP for Research Integrity), Jeremy Shefner (Associate VP for Clinical and Translational Research), Steve Youngentob (Associate Dean, College of Graduate Studies) and me, Steven R. Goodman (Vice President for Research). This ReGELT team has helped me to assist the faculty in growing and supporting research and graduate education at Upstate. They have done a fantastic job and it has been a pleasure to work with them.

Thank you for asking!
Steven R. Goodman and The **ReGELT** Team

Send your question to Ask ReGELT: [ReGELT](#) Your question might be answered in the next Research Forum.

Building an Upstate Pillar Research Program through Seed Grants

In an effort to strategically grow Upstate research, four areas of strength were identified—cancer; disorders of the nervous system; infectious diseases; and diabetes, metabolic disorders, and cardiovascular diseases—and resources have been targeted to these pillar areas. Funded researchers have been encouraged to associate with one or more of the pillars to facilitate interdisciplinary, interdepartmental collaboration, while new, early stage investigators are encouraged to focus their research in one or more of these pillar areas.

While getting started can be a challenge for new investigators, NIH has recognized this challenge and has developed a definition for Early State Investigator (EIS) and implemented policies to assist these new investigators obtain their first independent, NIH R01 award (http://grants.nih.gov/grants/new_investigators/index.htm). However, even with this boost, new investigators, as well as more senior investigators seeking to take their research in new directions, may need additional support to demonstrate feasibility, generate preliminary data, and build publication and presentation portfolios in order to meet NIH pay lines.

Seed grants can be one solution to this dilemma, especially when they are from local foundations. Also known as feasibility or pilot grants, these relatively small, short-term award mechanisms are geared to assist researchers to secure independent, funding from sponsors such as NIH. In fact, some actually include this in their descriptions. The following is a brief discussion of seed grants that researchers might want to consider in the four pillar areas:

Cancer

National foundations such as the American Cancer Society, American Lung Association, Skin Cancer Foundation, Leukemia Research Foundation, Pancreatic Cancer Action Network, and American Association of Cancer Research offer pilot or seed grant programs designed to assist investigators grow their research programs and be more competitive for funding from sources such as NIH.

Supporting cancer research in the Central New York area is the Carol Baldwin Breast Cancer Research Fund. Administered by Dr. Patricia Numann, RFPs are issued annually with a February due date and June start for two-year funded awards of \$25,000 per year. In 2010, Baldwin grants were issued to Bryan Margules, MD, Associate Orthopedic Surgery Professor for “Breast Tumor Interactions with Bone Marrow Stem Cells;” Pharmacology Professor Ying Huang, PhD for “Arctiin as a Novel Chemotherapeutic for Treatment of Breast Cancer;” and Jing An, Assistance Pharmacology Professor for her project, “Development of CXCR4 – Targeted Metastasis Blockades for Human Breast Cancer.” Prior Baldwin Breast Cancer Research Fund awardees have included Drs. Andrzej Krol, Timothy Damron, Lisa Kaufmann, Peter Hahn, David Feiglin, and Kristopher Maier. Many of these researchers have used the Baldwin Research Fund support to enhance their competitiveness and successfully compete for NIH funding. Look for the 2011 Carol Baldwin Breast Cancer Research Fund Request for Applications, anticipated for release later this year, in [Funding Update](#).

Disorders of the Nervous System

Seed grants to support research in the Disorders of the Nervous System pillar include the American Foundation for Suicide Prevention, Autism Speaks, Sturge-Weber Foundation, Epilepsy Foundation, the American Academy of Child and Adolescent Psychiatry, Multiple Sclerosis Society, and Alzheimer’s Association

Infectious Diseases

The National Blood Foundation, National Research Fund for Tick Borne Diseases, and Infectious Disease Society/National Foundation for Infectious Diseases Joint Research Awards offer seed/pilot funding for infectious disease researchers. The Gates Foundation Global Health Program often issues requests for innovative, exploratory research proposals in this pillar area.

Diabetes, Metabolic Disorders, and Cardiovascular Disease

The American Heart Association’s National and Founders Affiliate offer a number of award mechanisms designed to assist early stage investigators launch their independent research careers, such as the Scientist Development and Grant-in-Aid Programs. A number of Upstate researchers, such as Drs. Christian Zemlin, Jeffrey Amack, David Pruyne, and Michael Princiotta have received these early investigator grants from the AHA. Other foundations in the areas of diabetes, metabolic disorders, and cardiovascular diseases that offer seed/pilot funding include the Vasculitis Foundation, American Lung Association, Children’s Cardiomyopathy Foundation, Juvenile Diabetes Foundation, and the Broad Foundation Medical Research Program.

Foundational Sciences and Multi-Pillar

In addition, there are foundations such as the SIR Foundation, United Mitochondrial Disease Foundation, Doris Duke Charitable Foundation Innovation in Clinical Research, and the Gustavus & Louise Pfeiffer Research Foundation that offer seed grants in foundational sciences and disciplines that could be associated with any or all of the four pillar areas.

Find Seed Grant Sponsors

The best way to find seed grant sponsors is Community of Science (COS), Upstate’s database of extramural research sponsors. COS can be accessed from any Upstate network computer at <http://www.cos.com>. Our enhanced subscription now permits researchers and their staff to create workbenches and conduct and save funding searches and get weekly email updates from those workbenches. Contact Barbara Humphrey for assistance accessing COS at humphreb@upstate.edu

Responsible Conduct of Research Education Program Now Mandatory

Because Upstate Medical University is dedicated to ensuring that all research is performed in a responsible and ethical fashion, Dr. Steve Goodman, VP for Research, has now mandated that investigators, post doctoral fellows and associates, students, and lab technicians take an online research education course--the Responsible Conduct of Research (RCR) Program. This program, offered by the Collaborative Institutional Training Initiative (CITI), is a formal ethics educational program. RCR topic areas include Research Misconduct, Data Management, Conflict of Interest, Collaborative Science, Responsible Authorship, Mentoring, Peer Review, Lab Animals, and Human Subjects. The RCR course is required for all investigators conducting basic science research, whether they are in a basic science or clinical department, and independent of whether they are doing wet or dry lab research. Only researchers who are only involved in clinical trials are excluded.

Principal Investigators or lab directors are responsible for insuring that all individuals working in their lab have completed the RCR program. PIs and their personnel solely conducting clinical trials research are not subject to this requirement. Certification of completion of the RCR course is valid for three years and re-certification is required for everyone who remains active in research at Upstate.

You can access the CITI registration page from the Research Administration web site:

<http://www.upstate.edu/researchadmin> (go to the RCR article under Upstate Research News). Or access CITI directly at <https://www.citiprogram.org/>. Once on the site, either log in with an existing login or register as a new user first, then find your way to RCR. You can take the entire course at one time, or complete individual modules at your own pace.

Beginning September 1, 2010, successful completion of the RCR course will be a prerequisite for grant submission or renewal by all Upstate personnel who are involved in the grant as Key Personnel or are being supported by the budget, or work in the PI's lab.

Enhanced Community of Science Products Available to Upstate Researchers

At the start of this year, Upstate was able to enhance its Community of Science (COS) subscription thanks to the efforts of the Research Foundation to negotiate a SUNY rate and subsidize the increased costs to our campus. In addition to the searchable Funding Opportunities database, Upstate researchers and administrative staff are now able to create COS Workbenches from which to create profiles based upon research key words, conduct and save funding searches, and receive weekly email updates based upon these keyword-driven searches.

Since that time, Upstate has been participating with other SUNY campuses both large and small, in an RF-sponsored consortium to select a vendor to assist campuses increase the volume of sponsored research by providing PIs with timely, targeted funding opportunity information and identifying research collaborators, especially SUNY collaborators, by sharing their scholarly expertise and creating a SUNY expertise database.

After looking at three possible vendors to meet this goal, the group opted to continue to contract with COS, but to negotiate for enhanced services. Their Scholar Universe database (<http://www.scholaruniverse.com/>) will be updated for all participating SUNY campuses. In the case of Upstate, we will likely delete all of our current entries and use faculty profiles to repopulate Upstate researcher profiles in the Scholar Universe database. Therefore, the Research Admin office will be working with researchers, administrators, and the EdComm office to make sure that website research profiles include all up-to-date scholarly information, such as extramural funding, publications, presentations, honors and awards, and more. COS will also work with us to allow SUNY-only searches as well as searches of the entire Scholar Universe database.

Community of Science has also committed to providing training for researchers and admin staff so that we can take full advantage of their products. Our central location and excellent infrastructure makes us an ideal site for training later this year.

Stay tuned...enhanced COS products, and the enhanced capacity to use them are on the way.

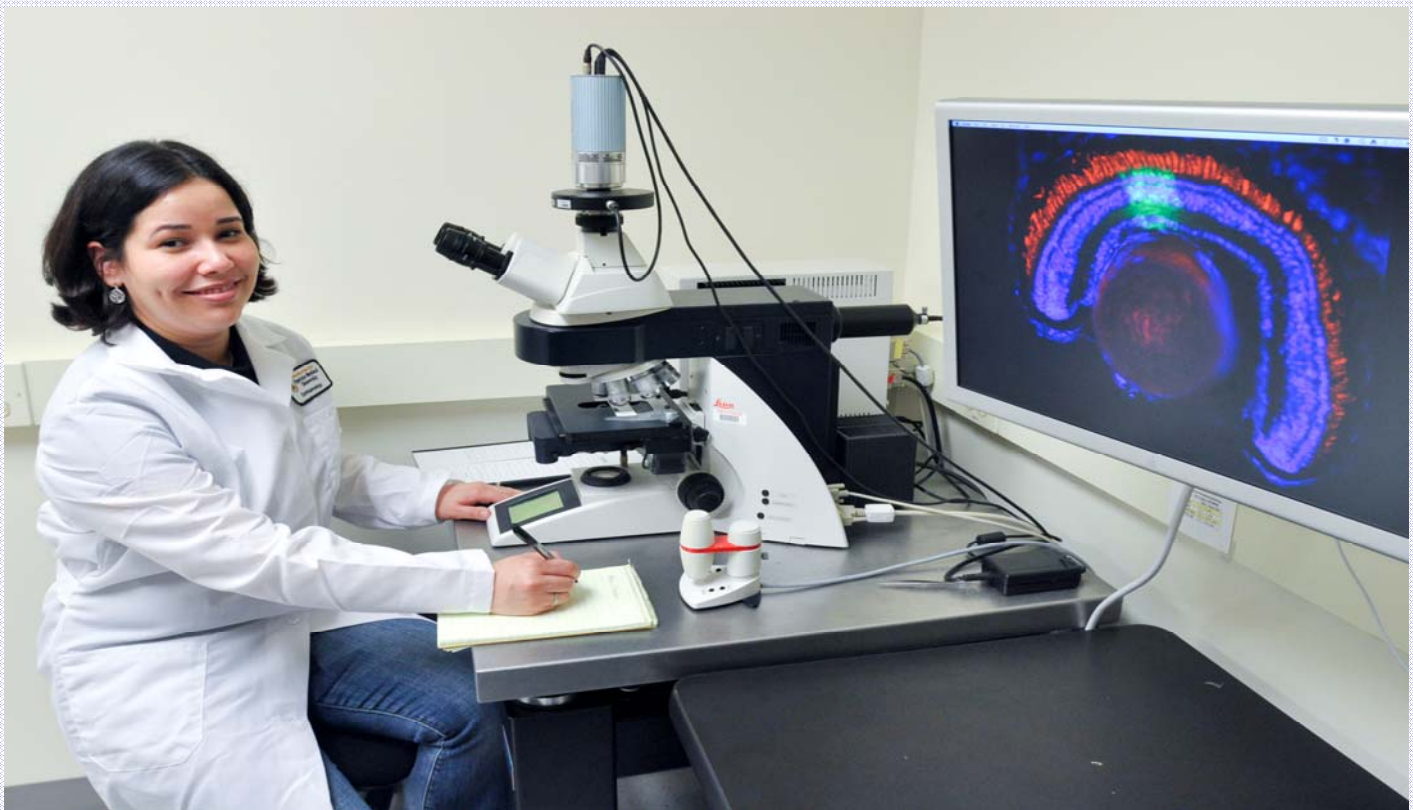
Upstate Establishes the Office of Postdoctoral Affairs

Postdoctoral fellows are one of the most productive, if not the most productive, components of a research lab. Therefore, the recruitment and retention of qualified postdocs are the keys to the growth of Upstate's research enterprise. The Office of Postdoctoral Affairs was established to aid in recruitment and retention by enhancing recruitment efforts, offering postdoctoral candidates a seamless and smooth appointment process, and assisting fellowship appointees with advocacy in terms of salary and benefits, grievances, and career development. This new office, located in 3122 Weiskotten Hall, will serve as the primary resource for our postdoctoral community at Upstate.

In announcing the new office on July 1, Steve Goodman, Ph.D., Vice President for Research and Dean of the College of Graduate Studies, explained that the establishment of this new office and its mission address a recommendation in the Strategic Plan for Strengthening Research to improve the training environment for postdoctoral appointees. "A strong postdoctoral trainee community is a superb indicator of a vibrant research program, which is critical for attracting new faculty," stated Dr. Goodman at the July open house.

Coordinator Terri Brown, and Postdoctoral Affairs Office Administrator, Bill Shepard, will establish a web site, develop materials and coordinate advertisement efforts to improve the recruitment process, and facilitate the appointment process for those who are accepted. The Office of Postdoctoral Affairs will enhance the fellows' new employee orientation by providing resources for grant writing and grantsmanship; identification of funding opportunities; ethics; career counseling; and tax information. A database will be created to facilitate tracking postdocs' accomplishments and scholarly achievements, as well as their career paths and employment. A Postdoctoral Association will be created to promote camaraderie within the postdoctoral community as well. A Postdoctoral Advisory Committee established by Dr. Goodman and chaired by Steven Youngentob, Ph.D., assisted with the development of this new Office of Postdoctoral Affairs.

A web site is in development, and those wishing to can contact Terri or Bill at postdoc@upstate.edu.



Reyna Martinez-DeLuna, PhD., an Upstate Medical University Postdoctoral Fellow in Ophthalmology.



Beginning July 23, 2010, all eRA Commons registered researchers will no longer be able to put publications directly into their profiles.

College Face Sheet Update

One of the ways we are now Tracking applications and grant awards is according to research pillar. To facilitate that tracking, the College Face Sheet (CFS) has been updated and requires you to indicate which research pillar (or pillars) your application addresses. Thank you in advance for including this information on your college face sheet for your future grant submissions. The updated cfs can be found on our Website,

http://www.upstate.edu/researchadmin/sponsored_programs/forms.php

Researchers: You Need My NCBI and My Bibliography

Why?

Beginning July 23, 2010, all eRA Commons registered researchers will no longer be able to put publications directly into their profiles. Instead, they will need to

- create an NCBI account (My NCBI)
- put their publications into My Bibliography, a feature of their My NCBI account
- link their My NCBI and eRA Commons accounts

What are NCBI, My NCBI and My Bibliography?

NCBI (National Center for Biotechnology Information) is a service of the NLM designed to advance science and health by providing access to biomedical and genomic information (<http://www.ncbi.nlm.nih.gov/>). My NCBI is a feature of NCBI (upper right link from NCBI home page) where researchers can create their own NCBI accounts (My NCBI) for the purposes of conducting and saving lit searches and creating bibliographies, including My Bibliography, a listing of their authored works.

How to Create My NCBI & My Bibliography

To link eRA Commons and My NCBI accounts (or creating a My NCBI account from eRA Commons), just follow these simple steps:

- Log into eRA Commons, and go to the Profile Publications page. One quick way to find eRA Commons is from the Research Admin home page at <http://www.upstate.edu/researchadmin>.
- Go to My NCBI from the fourth bullet on the Publications page.
- Once at My NCBI, either provide name and password to an existing My NCBI account or create a My NCBI account and My NCBI is linked to eRA Commons.
- From you're NCBI page, select "My Saved Data" in the left, Table of Contents column, and create or add to My Bibliography.

What else can My Bibliography can do?

My Bibliography will enable a researcher to manage compliance with the new NIH Public Access policy. The NLM's January/February, 2010 Technical Bulletin No. 372 explains how a researcher can use My Bibliography for this purpose. Once the eRA Commons and My NCBI accounts are linked, from the new Awards View, eRA Commons users are able to see whether their publications are compliant with the Policy, start the manuscript submission process, associate their NIH extramural awards with their publications, and designate delegates to manage their bibliography via My NCBI. This Technical Bulletin is available at the following URL:

http://www.nlm.nih.gov/pubs/techbull/jf10/jf10_myncbi_redesign.html

Find the Right Funding Mechanism to Break into the NIH Funding Streamand Stay There

NIH offers a wide range of funding mechanisms or grant types (also called activity codes), from pre-doctoral fellowships to multi-project center grants, to support research. For individuals seeking their first independent research award, choosing a type can be daunting. Take advice from the National Institute for Allergy and Infectious Diseases (NIAID)—become familiar with the funding types, assess your situation and seek help.

Step 1: Learn the Alphabet Soup of Funding Types

NIH uses an alpha-numeric system to differentiate the wide variety of research-related programs they support. NIH's comprehensive, descriptive list of activity codes (http://grants.nih.gov/grants/funding/ac_search_results.htm) is a perfect starting point. NIH's list of activity codes by main categories of funding—Research Grants (R series), Career Development (K), Research Training/Fellowships (T & F), Program Project/Center Grants (P), and Resource Grants (various series)—offers a description of these categories (http://grants.nih.gov/grants/funding/funding_program.htm.) Because NIH Institutes/Centers use activity codes differently (or not at all), investigators who know which institute is most likely to support their research should also visit those institutes/centers (I/C) (<http://www.nih.gov/icdl/>) and/or check with individual program officers to find out what activity codes are supported and how they are used by the I/C.

Step 2: Assessing Your Situation

After viewing these resources and becoming familiar with the various funding types offered by NIH, investigators next need to assess their specific situation in terms of research expertise, presence/absence of preliminary data and publications, years from terminal degree, protected time for research, and their short and long term research goals. For example, the R01 provides significant, multi-year, renewable funding for independent research projects, but requires extensive preliminary data in the application. In contrast, the R03 (Small Research Grant) and R21 (Exploratory/Developmental Research Grant) require minimal to no preliminary data. This initial assessment could lead a new investigator to assume that the R03 or R21 would be the best route to launching an independent research career.

However, R01 applications from Early Stage Investigators (ESI) are given special consideration during peer review at the time of funding, while R03 and R21 applications are not. In addition, R01 applications from ESIs not funded at time of first application may qualify for R56 Bridge awards, giving ESIs time to gather preliminary data and improve their R01s for the next submission. ESIs also run the risk of losing their early stage status if they spend too many years pursuing other funding types to get to the R01.

The NIAID has calculated that 90% of R56 Bridge awards convert to an R01, while that percentage drops to 16-18% for those attempting to convert R03 research to an R01 and approximately 34% for NIAID R21 applicants converting to an R01. Therefore, the initial assessment that a new investigator uses, the R03 or R21 to get to the R01 may not be the best route after all.

Step 3: Seek Help....It's a Click or a Call Away

NIH and its I/Cs, such as NIAID, offer additional online resources to assist investigators determine which funding type is best for them. NIAID's "New Investigator Guide to NIH Funding," online at <http://funding.niaid.nih.gov/ncn/grants/new/default.htm>, is a valuable tool for investigators to not only learn about NIH, but also to assess the most appropriate funding type for them and why new investigators should consider an R01.

NIH Program Officers are also a valuable resource for investigators assessing the most appropriate funding type to meet their needs. Parent Announcements for funding types, such as R01, R03 and R21, list the I/Cs that accept the specific funding types and the Program Officers who can be contacted via email and phone they are available to explain how their I/C uses each funding type and how the differences between types can affect your ability to successfully break into the NIH funding stream and retain NIH funding over time. These Parent Announcements are on the NIH website at http://grants.nih.gov/grants/guide/parent_announcements.htm.

The June 23, 2010 issue of *NIAID Funding News* (<http://funding.niaid.nih.gov/ncn/newsletters/2010/0623.htm>) was used to compile the information in this article.

NIH Funding Success: RFA, PAR, PAS, or PA; Investigator Initiated; or Hybrid? Which Approach is Best?

There are two official ways to approach an NIH application: 1) is a response to a specific initiative (RFA, PA, PAR, and PAS) or 2) an investigator initiated approach. Both offer advantages and disadvantages to the investigator. A third may also be considered – the hybrid.

Investigator Initiated Approach

The investigator-initiated approach draws on researchers' strengths—researchers determine which institute(s) would support their research and use the parent R01, R03 or R21 to put forward a research project that falls within their area of expertise. The challenge for the researcher using this approach is to convince peer reviewers and the NIH that their project is a high priority and is worthy of an NIH investment of funds.

Response to an NIH Initiative

Every week, NIH issues Requests for Applications (RFA), Program Announcements (PA) or specific PAs—Program Announcements with set-aside funds (PAS) or Program Announcements with special review criteria (PAR). These initiatives communicate NIH's priorities to the research community. All RFAs have set-aside funds, but they are the most difficult to respond to—they generally only offer one deadline, and their aims are very specific, leaving researchers with little flexibility to fit their projects into the goals of the RFA and minimal time to complete their application. However, if researchers find an RFA to match their research aims and can meet the stated deadline with a competitive application, their chances of funding success are high. PAs state an NIH priority, but are more general in nature, giving researchers more latitude to fit their research aims to those of the PA. PAs generally offer multiple deadlines or request applications at the standard R01, R03, and R21 (or other award mechanism) deadlines for multi-year periods, giving researchers more time to prepare a competitive application. However, most PAs do not come with set-aside funds. Therefore, the only advantage of a response to an NIH-issued PA (other than a PAS) over an investigator-initiated approach is that researchers are responding to an NIH stated priority.

The Hybrid Approach

A third approach, or hybrid, put forth in the July 21, 2010 issue of NIAID Funding News, might be a better path to NIH funding success. The hybrid approach blends the two official approaches by using a high-priority topic as the basis for an investigator initiated application. To utilize this approach, researchers should familiarize themselves with NIH-issued RFAs and PAs, as well as NIH-issued Notices that state an intent to issue a funding announcement. This information can be found in the NIH Guide to Grants and Contracts at <http://grants.nih.gov/grants/guide/index.html>. This list of RFAs, PAs, and Notices are keyword searchable. The background sections of RFAs and PAs often explain why this funding announcement is a priority to NIH, as well as state the priority topic areas. Funding Update, a weekly email alert published by Upstate's Research Administration Office, provides a list of all RFAs, PAs and Notices issued by NIH for that week. It is sent out in both MS Word and PDF formats. The PDF is keyword searchable. If you are not subscribed to Funding Update, contact Barbara Humphrey at humphreb@upstate.edu.

Researchers considering the hybrid approach should also become familiar with the priorities of each of NIH's institutes that offer extramural support (<http://www.nih.gov/icd/index.html>), as well as The Common Fund (formerly Roadmap) at <http://nihroadmap.nih.gov/>.

Many NIH institutes issue electronic newsletters. The information for this article came from the July 21 issue of NIAID Funding News, which is available at the National Institute of Allergy and Infectious Diseases site at <http://funding.niaid.nih.gov/ncn/newsletters/2010/0721.htm>. Even if your research is not in an area supported by NIAID, this bi-weekly newsletter often contains valuable information that is not specific to any discipline or topic area and accepts subscriptions at http://funding.niaid.nih.gov/ncn/newsletters/default_subscribe.htm.

The Research Development Office welcomes feedback from Upstate researchers who have used the hybrid approach to achieve NIH funding success. Please let us know by sending an email to humphreb@upstate.edu.

Compliance Office

IRB Meeting Dates and Deadlines can be found on our website at:

[IRB MEETING DATES AND DEADLINES](#)

IBC Meeting Dates and Deadlines can be found on our website at:

[IBC MEETING DATES AND DEADLINES](#)

IRB PROCESS CHANGE:

You may have noticed a purple note attached to your study packet when it was returned to you by the IRB with the primary scientific and administrative reviews.

Effective January 15th, 2010 the IRB received approval to modify the current primary reviewer system to require only one primary scientific review for peer reviewed NIH sponsored and pharma sponsored studies. PI initiated studies, which have not undergone formal peer review through a grant review process, like the NIH, will continue to require two primary scientific reviews. Please note however that additional reviews can be requested by the IRB Chairman and/or IRB.

In addition, effective April 15th, 2010, the IRB received approval to modify the current primary reviewer system to require only one primary scientific review for all five year renewals.

PLEASE NOTE THAT DUE TO CHANGES
IN IRB PROCEDURES, THIS STUDY
ONLY REQUIRED ONE PRIMARY
SCIENTIFIC REVIEW.

Committee for the Humane Use of Animals (CHUA)

Committee Chair: Dr. Michael Lyon , CHUA Coordinator: Ms. Karen Miller, Website: www.upstate.edu/dlar/chua

Upcoming Meetings*	Protocol Submission Deadlines (by 4:00pm)
August 9, 2010	July 15, 2010
September 13, 2010	August 16, 2010**
October 18, 2010	September 15, 2010
November 8, 2010	October 15, 2010
December 13, 2010	November 15, 2010

*Meetings scheduled during holiday weeks may be changed at the discretion of the Committee.

**15th of this month falls on weekend.

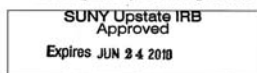


Does Your Consent Document Have This

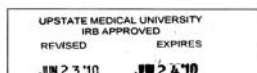
IRB "Seal of Approval"?

Consent documents must be reviewed and approved by the IRB. This is signified by the presence of the IRB approval stamp and expiration date at the bottom of each page.

A new IRB-stamped consent document is sent to investigators when first approved or when required by continuing review:



OR by an amendment that requires changes to the consent document:



Remember:

Always use the most current IRB-stamped consent document when enrolling study subjects.

***The QAIP Study Initiation Visit:
Preventive Care for Your Study Site***

The Quality Assessment & Improvement Program (QAIP) offers Study Initiation Visits and ongoing assistance/education to investigators and study teams. **This free service is highly recommended to avoid compliance errors.**

QAIP Study Initiation Visits are available for new studies that have received IRB approval, but have not yet begun enrollment. This program can include:

- assistance with set-up/organization of study records and required documents
- education about the informed consent process and documentation of consent
- instruction concerning IRB reporting requirements

Study Initiation Visits are especially appropriate for:

- new investigators or study coordinators
- investigators with no study coordinator
- studies that are not assisted/monitored by other entities (e.g. a sponsor)
- residents or fellows coordinating research projects

Study Initiation Visits can be tailored to the study team's timeframe and educational needs, and can be done in as little as 30 minutes.

Please consider taking advantage of this free service.

For more information, or to schedule a Study Initiation Visit contact:
Robin Cerro, NP MSN
Quality Assessment & Improvement Program Coordinator
464-4328 or cerro@upstate.edu.

News from the Research Accounting Office;

Improved Delivery of Monthly Reports

Monthly Award Summary (MAS) and Monthly Project Summary (MPS) reports can be accessed in PIAI using the additional option of MAS or MPS Inquiry in the APT Inquiry function. This new delivery method provides the following benefits:

Allows PIs to view MAS and MPS reports online in either RF Quick View or PIAI
Eliminates the need for separate systems and monthly distribution activities

Data availability with this delivery method includes monthly reports beginning with July 2009 if the award or project was open at that time. The latest reports will be added each month so that there will eventually be a 24-month history of MAS and MPS reports.

Active, At-Risk and On-Hold Awards: Monthly reports will be available for 24 months.
Closed Awards: Monthly reports will be available for two months after the award is closed.

Starting with the August MAS reports the accounting office will no longer be distributing MAS reports and we encourage you to access your reports via this new easy method.

If you have any questions or concerns please don't hesitate to contact Gina McMahon at X 4-4665.

What's New with Core Research Facilities?

Flow Cytometry Core

One of the Flow Cytometry Core machines, the BD LSR II flow cytometer, has moved to room 2283 in Weiskotten Hall Addition. The BD ARIA II cell sorter has not moved and continues to be located in 2278A Weiskotten Hall Addition.

Gamma camera for *In Vivo* Micro Tomography Core Laboratory at Upstate

The *In Vivo* Micro CT Core, located in room 1300 in the IHP, has installed a triple-head gamma camera provided by the Department of Radiology. As seen in Figure 1 below, this scanner can be used for molecular imaging using Single Photon Emission Computer Tomography (SPECT) technology. This scanner can image medium- to large-sized animals, and supports studies such as CNS (brain perfusion imaging, CSF flow scan, brain tumor scan), cardiovascular system (myocardial perfusion imaging, gated blood pool imaging), skeletal system (bone scan, tumor imaging), cancer (neuroendocrine tumor, lymphoma, melanoma, colorectal, prostate, ovarian, thyroid imaging), pulmonary system and thromboembolism (ventilation/perfusion lung scans, venous thrombus scans, radionuclide venography), genitourinary system (renograms, testicular scans, radionuclide cystography), spleen and hepatobiliary system (cholescintigraphy, hemangioma scan, liver/spleen scan), gastrointestinal system (GI bleeding scan, GI motility studies), and infection imaging.

For more information regarding scanning, please contact core director Andrzej Krol, PhD, at 315-464-7054 or by direct email to Dr. Krol at krola@upstate.edu



Fig. 1. Triple-head gamma camera (Triad, Trionix) provided by the Department of Radiology for the *In Vivo* Micro Tomography Core Laboratory at Upstate, room 1300, IHP.

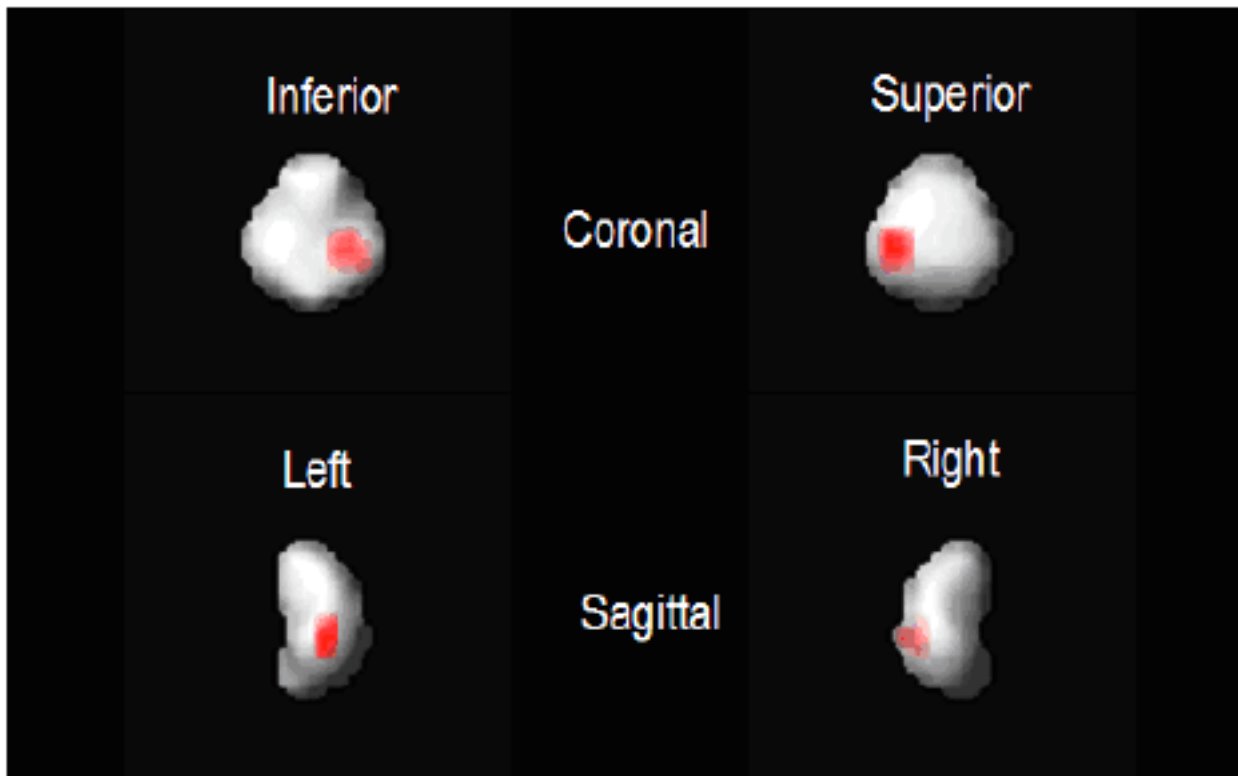


Fig. 2. Example of cerebral blood flow (CBP) imaged by SPECT. Maximum intensity projections of CBP rendered against a solid representation of the piglet brain. The location of the focal hypoperfused brain area visible in SPECT CBP images is consistent with the location of the induced left parietal injury. McGoron et al., *BMC Medical Imaging* (2008), 8:4.

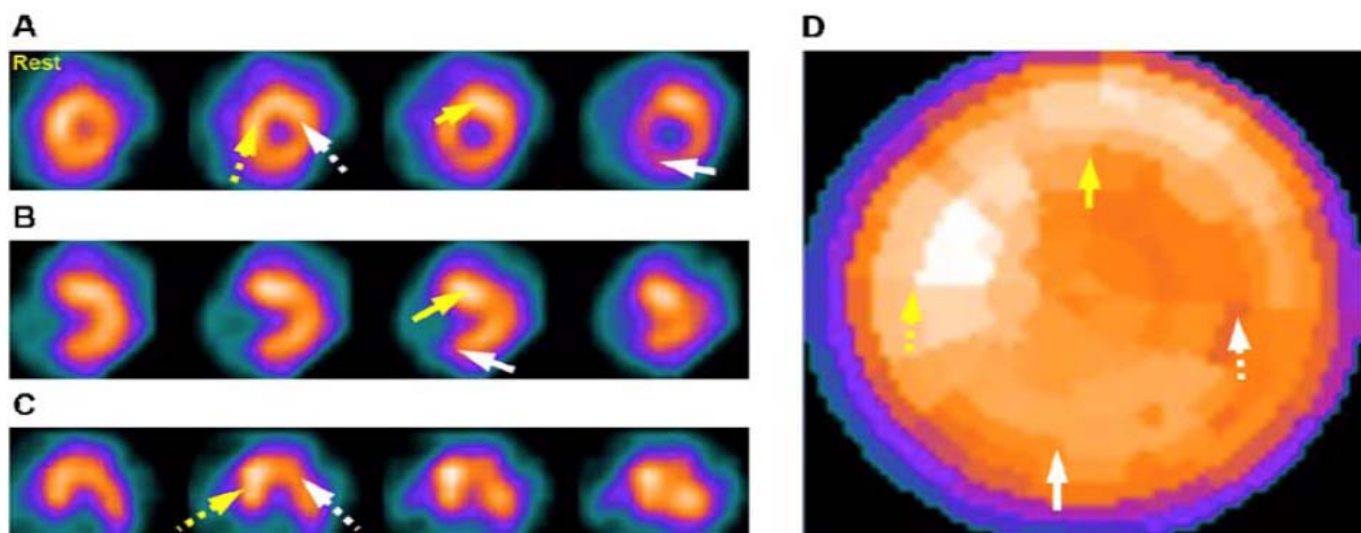


Fig. 3. Example of cardiac perfusion images in micropigs. A-C: Myocardial perfusion (Yellow arrow: anterior wall, Yellow dotted arrow: septal wall, white arrow: inferior wall, white dotted arrow: lateral wall). (A) Cardiac short-axis, (B) vertical long-axis, (C) horizontal long axis. (D) The polar map an image showing quantified values of perfusion of each cardiac region as a map. Lee et al., *J. Vet. Sci.* (2007), 8(3), 223–227.

**Research Administration /
Development Office**

**750 East Adams Street
1111 Weiskotten Hall
Syracuse, NY 13210**

**Research Forum
Editorial Staff**

Thanks to the following Upstate
Medical University staff for their
contributions to this issue of
Research Forum:

[Steven R. Goodman, PhD, VP for
Research](#)

[Marti Benedict, Research
Compliance](#)

[Robin Cerro, OAIP](#)

[Cynthia Dowd Greene
Industry Relations](#)

[Lori Gero, RF Accounting](#)

[Barbara Humphrey, Research
Development](#)

[Patrick McCloskey PhD Intellectual
Property Officer](#)

[Gina McMahon, RF Accounting](#)

[Gerri Paparella, Financial Services
Sponsored Programs](#)

[Kathleen Pazaras, Sponsored
Programs and Clinical Trials](#)

[Jennifer Rudes, Sponsored
Programs and Clinical Trials](#)

[Robert Quinn DVM, DLAR](#)

[Stephen Rusinko, Sponsored
Programs, Post Awards](#)

[Debora Weber, Sponsored
Programs, Post Awards](#)

To be added or deleted from
these mailings please contact:

[Kathy Pazaras](#) or [Barbara
Humphrey.](#)

***Research Administrations Comings and
Goings.....***

As most of you know Dave Temple recently retired after 34 years as Sponsored Programs Director. Friday July 30, 2010 was Dave's last day. Jennifer Rudes has taken over as the new Director for Sponsored Programs and will continue to act as the Clinical Trials Coordinator. To assist Jennifer with grant applications and submissions, we will be welcoming Jason Wagoner on August 23, 2010 as our new Associate Director for Sponsored Programs. Jason comes to us from the University of Oregon where he was a senior grants administrator. Also, the Clinical Trials Office has recruited Karen Bilynsky as a full time Clinical Research Coordinator to assist our clinical departments who participate in clinical trials. Karen is a Registered Nurse and has several years of experience as a Clinical Coordinator. Karen will be available at an hourly per diem rate. Please join us in welcoming both Karen and Jason.

System-to-System:

A New and Better Application Process Coming to Upstate

Later this year, the Sponsored Programs Office will introduce Coeus® to Upstate researchers thanks to leadership from the Research Foundation of SUNY. Coeus®, named after the Greek titan of intelligence, was originally designed and developed by MIT in the early 1990s to manage proposal and award information. Since that time, additional pre- and post-award modules have been added to provide cradle-to-grave award management. Pre-award modules are designed to assist the research community with electronic proposal development, routing to obtain internal approvals, and system-to-system submission to sponsors. Post-award and complementary modules are also available.

On July 1, 2006, the four SUNY university centers (Albany, Buffalo, Binghamton and Stony Brook) entered into a licensing agreement with MIT to initiate the implementation of COEUS®. These campuses were able to draw upon their extensive IT support to create the infrastructure needed for successful Coeus® implementation. Following their successful implementation, the RF provided leadership to create the Coeus® SUNY Consortium. Recently, Upstate, Downstate and ESF joined and have begun the process of planning for the implementation of Coeus®.

Sponsored Programs Office Director, Jennifer Rudes, has been working closely with the RF, Coeus® support staff and Upstate's IMT Department to develop our Coeus® infrastructure, and Jennifer anticipates that Upstate will be ready to use Coeus® for application preparation and submission by early January 2011. In addition to the pre-award module, Upstate is evaluating additional Coeus® modules, such as IACUC and Conflict-of-Interest. Training and more information will be provided as implementation moves forward.