The new year 2009 brings some changes to the newsletter design format. I hope that what you see are layers and interconnections, teaching and learning, a campus community and a larger community, science, engineering and humanities research, public service and endless possibilities. The intent of the newsletter remains the same and that is to inform and celebrate the faculty and staff accomplishments in sponsored research activities on the Newark campus. In this issue the Executive Vice Chancellor for Administration explains the vital role in research that he along with Dean Philip Yeagle have undertaken at the request of the Chancellor.

One new feature is a regular column for post-award information. Award compliance continues to be a hot button issue and we will bring such issues to your attention.

Welcome to this edition of Research News for Rutgers-Newark. Let me first extend to all members of the research community my very best wishes for a happy and healthy New Year!

Calendar year 2009 will present many new opportunities for research funding. We want to encourage all those with research interests to stay current with research announcements, especially from those Federal funding agencies that are relevant to your research area of interest. Under the new Administration, expectations are very high that funding levels will be increased in many areas of the National Institutes of Health and the National Science Foundation. If you are not familiar with the process to seek out these announcements, the Research Office staff will assist in directing you to the appropriate web sites.

This Newsletter also includes the first commentary from the Newark Grants Office, led by Guy Narine. The Newark Grants Office is responsible for providing post-award grant and contract accounting and financial compliance support to the University Research Community in an efficient, accurate and timely manner. Specifically, these responsibilities can be divided into four major sections: Grant and Contract Accounting, Effort Reporting, Cost Accounting, and Communication and Training. I encourage all faculty and staff involved in grants management at the departmental level to develop a regular dialogue with the staff of the Newark Grants Office.

In addition, over the past year the Research Office and the Newark Grant Office have been re-organized and now report to the Executive Vice Chancellor for Administration. I welcome your comments and input. On behalf of the staff in these departments, I want to extend our best efforts to support you in developing and carrying out your research efforts.

Finally, over the past year, Chancellor Diner has also expanded Dean Philip Yeagle’s responsibilities in the area of Research. As Chief Academic Science Officer for Rutgers-Newark, Dean Yeagle now has added responsibilities in supervising the Animal Care Program, and has been appointed as a representative to the University Research Advisory Board. In this latter role, Dean Yeagle provides much needed input into the development of Research Policy at Rutgers University. Lastly, Dean Yeagle is also responsible for assisting in the development of large, interdisciplinary “cluster” grants. If your research potentially involves interdisciplinary work, I encourage you to be in touch with Dean Yeagle.

Again, may I extend my best wishes to you for a successful 2009!

With best regards.

Gene A. Vincenti
As 2009 dawns, the research enterprise of Rutgers University Newark faces both great opportunities and serious challenges. Great opportunities arise from our talented, more senior faculty and from our exciting new faculty members who have recently joined us. Serious challenges are presented to us by the restriction in external funding facing researchers across the entire nation.

Rutgers University Newark is a national research university. We have world-renowned scholars who build that national research reputation. For example, most recently we have seen a National Book Award winner in History, a national honoree for a book on white collar crime in the School of Law, a major national television program on the scholarly work of a geologist, a chemist who won the Meggers Award for most outstanding paper, the 2008 Governor’s Nursing Merit Award for excellence in a nurse researcher, an IBM Exploratory Stream Analytics Innovation Award in the Business School, and a Fulbright Scholar in the School of Criminal Justice for studies in transnational crime, to list just a few.

It is a goal of this University to gain even greater distinction in research. Excellent new faculty members are joining us, new cluster concepts to build scholarly community are increasing the strength of our research enterprise, and the University is developing new mechanisms to support these research efforts.

Many of the research efforts of our faculty require external funding to be viable. Nationally we are seeing a disturbingly steady decrease in funding for virtually all forms of research. This leads to an increase in the competition for the diminishing funds. Consequently, conducting "business as usual" in research will necessarily result in serious declines in external funding in the near future for our campus. [“Business as usual” means simply following models for research funding of a decade ago.] Therefore it is necessary for this campus, to remain competitive as a major research university, to: 1) improve the quality of grant applications; 2) facilitate submission of grants allowing faculty to concentrate more on the quality of the application; 3) diversify the sources of external support; and 4) increase the number of submitted applications.
HAPPY NEW YEAR EVERYONE!

Many of you already know me. My name is Guy Narine, Manager of the Newark Grants Office (NGO). It is indeed an honor to be able to communicate to you via this medium.

Since this is my first article, I would like to take this opportunity to introduce the Newark Grants Office (NGO) and to give a general overview of its functions and responsibilities. I would also like to utilize this medium to educate and update, as necessary, all involved in the day to day administration and management of Grants and Contracts at the Newark Campus. Subsequently, I will be addressing topics such as the policies and procedures relating to the processing of salary reallocation, cost sharing, summer salary, effort reporting, expenditure guidelines, sub award monitoring; time report forms; tuition remission; etc.

However, in this instance, please permit me to address two very pertinent and pressing issues that need immediate attention. These issues are:

1. Closing out accounts within the ninety-day period allowed for federal grants and contracts (and, if applicable, less than ninety days for non-federal awards) and
2. Reviewing of journal entries by the Newark Grants Office’s accountants before processing through the accounting system.

The primary function of the Newark Grants Office is to manage and oversee all post award accounting and compliance issues. In addition, the Newark Grants Office reviews grant and contract accounts for financial compliance with sponsors and the Institution’s policies, procedures, rules and regulations. Further, setting up new accounts and updating existing accounts to ensure that interim and final financial reports and invoices are accurately prepared and submitted to the sponsors in a timely manner (this is a responsibility of Newark Grants Office, no exception) are all part of our duties. Daily management of the Office, closing out expired accounts, assisting with desk reviews and audits, accounts receivables and following up on cash collections, and resolving overdrafts on accounts are all interwoven responsibilities designated to the Newark Grants Office.

With the implementation of the new RIAS System, access to federal grant and contract accounts are automatically denied ninety days after their end dates. So it is imperative that all adjusting and closing entries relating to expired accounts be processed within the ninety day window period. An exception to the above rule applies to private grants and contracts which must be closed and reported on within less than ninety days. If that is the sponsor’s requirement, then that requirement must be complied with.

Prior to July 1, 2008, all journal entries (J/Es) were reviewed by the Newark Grants Office. With the introduction of the new system, some departments/centers choose not to forward J/Es (or copies) to the Newark Grants Office for review. To ensure that there is financial compliance, all J/Es must be forwarded to NGO for review before processing.
List of Awards for Rutgers Newark (October 2008 — December 2008)

<table>
<thead>
<tr>
<th>NAME</th>
<th>DEPARTMENT</th>
<th>FUNDING AGENCY</th>
<th>PROJECT TITLE</th>
<th>Award Amount</th>
<th>Award Type</th>
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</thead>
<tbody>
<tr>
<td>Abercrombie Elizabeth</td>
<td>CMBN</td>
<td>NIH</td>
<td>Basal Ganglia Functions in Huntington's Disease: Generic Mouse Model</td>
<td>$337,969</td>
<td>New</td>
</tr>
<tr>
<td>Buzsaki Gyorgy</td>
<td>CMBN</td>
<td>PEW Charitable Trust</td>
<td>Hippocampal cell assembly sequences and its relationship with memory</td>
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<td>New</td>
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<tr>
<td>Cantwell John</td>
<td>RBS-MGB</td>
<td>Columbia University</td>
<td>Innovative Firms in Developing Countries</td>
<td>$12,000</td>
<td>New</td>
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<td>Clarke Ronald</td>
<td>Criminal Justice</td>
<td>Maryn Consulting, Inc</td>
<td>National Highway Traffic Safety Administration Vehicle Parts Marking and Anti-Theft Devices Project</td>
<td>$125,125</td>
<td>New</td>
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<td>Farris George</td>
<td>RBS-MGB</td>
<td>IEEE</td>
<td>Technology Management Research Center</td>
<td>$12,037</td>
<td>Continuation</td>
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<td>Friedman Wilma</td>
<td>FASN-Biology</td>
<td>NIH</td>
<td>Neurotrophin Actions in the Injured Brain</td>
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<td>Renewal</td>
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<td>Gluck Mark</td>
<td>CMBN</td>
<td>California Pacific Medical Center Research Institute</td>
<td>MDMA Dependence and Discontinuation Syndrome</td>
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<td></td>
<td>CMBN</td>
<td>The Association for Frontotemporal Dementias</td>
<td>Insensitivity to Negative (Penalizing) Feedback for Inappropriate Behaviors in FTD linked to Orbito-Frontal Dysfunction (OFD)</td>
<td>$60,000</td>
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<tr>
<td>Holzer Marc</td>
<td>SPAA</td>
<td>NJ Local Unit Alignment, Reorganization, and Consolidation Commission (LUARCC)</td>
<td>Local Unit Alignment, Reorganization, and Consolidation Commission (LUARCC)</td>
<td>$67,200</td>
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<td>Hopper Brenda</td>
<td>RBS-SBDC</td>
<td>NJ Environmental Protection Agency</td>
<td>Pollution Prevention Grant Program</td>
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<td>Hopper Brenda</td>
<td>RBS-SBDC</td>
<td>NJ Economic Development Authority</td>
<td>New Jersey Small Business Development Centers</td>
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<td>Hopper Brenda</td>
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<td>PNC Bank</td>
<td>2008 Success Awards Luncheon</td>
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<td>Joel Lucille</td>
<td>Nursing</td>
<td>RWJUH</td>
<td>Affiliation Agreement -- CON &amp; RWJUH</td>
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<td>Supplement</td>
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<td>Jones Rachel</td>
<td>Nursing</td>
<td>NIH</td>
<td>Reducing HIV Risk in Urban Women: Soap Opera Videos on Video-Capable Cell Phones</td>
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<td>Krekelberg Bart</td>
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<td>Albert Einstein College of Medicine(NIH)</td>
<td>Adaptation to Visual Motion</td>
<td>$38,625</td>
<td>New</td>
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</table>
List of Awards for Rutgers Newark (October 2008 — December 2008)

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Field</th>
<th>Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td>ogilvie dt</td>
<td>RBS</td>
<td>Tyco International</td>
<td>Scholars Training and Enrichment Program</td>
<td>$50,000</td>
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<td>ogilvie dt</td>
<td>RBS</td>
<td>Diversity Inc. Fdn.</td>
<td>Scholars Training and Enrichment Program</td>
<td>$10,000</td>
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<tr>
<td>Piotrowiak Piotr</td>
<td>FASN-Chemistry</td>
<td>DOE</td>
<td>Kerr- Gated Microscopy with Sub-Picosecond Time Resolution</td>
<td>$170,000</td>
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<tr>
<td>Plinio Alex</td>
<td>RBS</td>
<td>PSE&amp;G</td>
<td>General Support for the Center for Non-Profit and Philanthropic Leadership</td>
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<td>Stadelmann Mary Athletics NCAA</td>
<td>RESP</td>
<td>NCAA</td>
<td>Athletic Marketing and Administration Intern</td>
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<tr>
<td>Walker-McCall Deborah</td>
<td>FASN-AFC</td>
<td>NJIT</td>
<td>NJIT Consortium for Pre-College Education</td>
<td>$130,000</td>
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<td>Walker-McCall Deborah</td>
<td>FASN-AFC</td>
<td>US Dept. of Education Student Support Service Program</td>
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<tr>
<td>Williams Junius FASN-Urban Education The Public Interest Project, Inc.</td>
<td>RESP</td>
<td>The Abbott Leadership Institute</td>
<td>$32,762</td>
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<td>Williams Junius FASN-Urban Education PSE&amp;G</td>
<td>RESP</td>
<td>The Abbott Leadership Institute -- Youth Media Symposium</td>
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<td>Wu Zhen FASN-Physics ONR</td>
<td>RESP</td>
<td>Miniaturization Limits of Atomic Magnetometers</td>
<td>$274,141</td>
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<td>Yeagle Philip FASN-Dean's Office NSF</td>
<td>RESP</td>
<td>Intergovernmental Personnel Act Assignment for Dr. Jane Gilman</td>
<td>$187,481</td>
<td></td>
</tr>
</tbody>
</table>

THE HOPE OF THINGS TO COME

Barack Obama and Joe Biden believe federally funded scientific research should play an important role in advancing science and technology in the classroom and in the lab.
Barackobama.com
Rutgers-Newark - Number of Submitted Proposals by Month, October 2008-December 2008

Rutgers-Newark - Number of Submitted Proposals by Department, October 2008-December 2008

Change for the Better?? - the NIH New Peer Review Process

Where the Dollars are ... Target Your NSF Proposal to the FY2009 Priority Areas
FY 2009 R&D Appropriations in the 2009 CR
Percent Change from FY 2008 (as of SEPT. '08)

Source: AAAS estimates of R&D in the FY 2009 omnibus / continuing resolution.
Only DOD, VA, and DHS have final FY 2009 appropriations. The remaining agencies are funded temporarily through March 6 under the continuing resolution.
DOD "S&T" = DOD R&D in "6.1" through "6.3" categories plus medical research.
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MISCONDUCT IN SCIENCE

The Office of Research Integrity, Department of Health and Human Services defines misconduct in research as follows:
Research misconduct means fabrication, falsification, or plagiarism in proposing, performing, or reviewing research, or in reporting research results.

(a) Fabrication is making up data or results and recording or reporting them.

(b) Falsification is manipulating research materials, equipment, or processes, or changing or omitting data or results such that the research is not accurately represented in the research record.

(c) Plagiarism is the appropriation of another person's ideas, processes, results, or words without giving appropriate credit.

(d) Research misconduct does not include honest error or differences of opinion.

Every institution receiving federal dollars is required to have a policy in place to handle reports and allegations of misconduct in science. The Rutgers University policy is outlined here:
http://orsp.rutgers.edu/policies_misconduct.php

The administrative actions PHS/HHS may take against respondents who have a finding of research misconduct made against them include, but are not limited to:
- debarment from eligibility to receive Federal funds for grants and contracts,
- prohibition from service on PHS advisory committees, peer review committees, or as consultants,
- certification of information sources by respondent that is forwarded by institution,
- certification of data by institution,
- imposition of supervision on the respondent by the institution,
- submission of a correction of a published article by respondent, and
- submission of a retraction of a published article by respondent.

Which administrative actions, the number of administrative actions, and the length of the administrative actions depends on the seriousness of the misconduct, the impact of the misconduct, and whether the misconduct demonstrates a pattern of behavior. Administrative actions are usually imposed for 3 years, but have ranged from 1 year to a lifetime. ORI generally relies on the cooperation of the institution where the respondent is currently employed to assist in implementing administrative actions.
Accomplishments. In FY 2008, the NSF received over 44,400 grant proposals and made 11,162 new awards, mostly to individual investigators or small groups of investigators at nearly 1,900 colleges, universities, and other public and private institutions throughout the United States. Ninety percent of NSF’s funding was allocated through a merit-based review process that is recognized throughout government as the exemplar for effective and efficient use of public funds, with 248,000 proposal reviews conducted. Results reported by NSF-supported investigators can be found at www.nsf.gov/discoveries.

Challenges. NSF is pursuing changes in a number of areas in order to stay focused on the frontiers of science and engineering: (1) Establishing new funding mechanisms and providing additional guidance for the merit review process to enhance its ability to identify and support research that is potentially transformative. (2) Investing in technology to support program oversight and management. For example, the recently launched Research.gov portal provides a menu of grants management services tailored to the needs of the research community. 3) Addressing decreasing funding rates. The competition for NSF funds has always been intense and has grown more so in recent years. To address this challenge, NSF is pursuing a variety of approaches that balance trade-offs between keeping the proposal workload at a productive and manageable level—for both NSF and the applicant community—and encouraging the free flow of ideas to NSF.

The FY 2009 Budget includes over $3.5 billion for nearly 9,800 new grants. In total, the FY 2009 Budget supports more than 38,000 grants. Enactment of the FY 2009 Budget would enable NIH to focus on priority research areas, including: clinical trials involving genomics research in multiple disease areas; translational research in heart disease and stroke; AIDS vaccine research; asthma research; health disparities; hearing loss; mental illness; addiction; kidney disease; advances in imaging; vaccines; and cancer. These critical areas of research, among others, could be immediately funded and expanded for the benefit of the health of the people here and around the world. The development of new infrastructures for emerging technologies involving genomics, proteomics, nanotechnology, and systems biology are required to speed new discoveries leading to the next generation of therapeutics. The investment in new research infrastructures will stimulate the acquisition of reagents and supplies necessary to advance these new fields of biomedical science.


http://researchoffice.newark.rutgers.edu/

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