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From the Desk of the Director

Inside this Issue:

From the Desk of The Director	1-2
Policies & Procedures	3
Funding At-A-Glance	4-5
Funding Opportunities	6-12
Proposal Submitted/Awarded	13
Announcements	14-15
ORSP Contact Information	16

YORK College 

NSF Press Release 12-225

NSF Launches GROW to Accelerate International Research Collaborations

NSF Graduate Research Fellows offered new opportunities to pursue research abroad

December 5, 2012

National Science Foundation Director, Subra Suresh announced Graduate Research Opportunities Worldwide (GROW), a new and coordinated effort that will expand and enhance international collaborative research opportunities for NSF Graduate Research Fellows, with initial agreements with science agencies in eight countries.

"Today's graduate students being trained as scientists and engineers in the U.S. will increasingly collaborate and compete with their peers from around the globe throughout their career," said Suresh. "GROW will prepare NSF Graduate Research Fellows (GRFs) to engage successfully in the global research enterprise by connecting them to leading scientists and research infrastructure around the world."

GROW builds on a program NSF has sponsored for several years with researchers in Norway, Finland, Denmark and Sweden. Under GROW, these opportunities are expanded and enhanced, and a streamlined and well-coordinated process has been developed to connect a much larger cohort of NSF GRFs to a number of strategically selected educational and research institutions around the world.

"This program gives an opportunity to promote international cooperation at a very early stage of a scientific career," said Sofie Björling of the Swedish Embassy's Office of Science and Innovation. "It creates bonds that can last for a long time and can involve many more persons than the GRF alone. This is of great benefit to science as a whole and really fits into the thinking that science is without borders."

The Fellows, selected through the normal process through the NSF GRF Program and invited to participate in GROW, will be hosted by a science agency in a partner country for a period of three to 12 months. While overseas, they receive a living allowance from the host country as they pursue their research in a host institution.

They will also be eligible to receive an international travel allowance from NSF. In addition to the four Nordic countries, GROW plans to include inaugural co-funding partner agencies from Japan, South Korea, Singapore and France. It is anticipated that additional partners from NSF counterpart agencies from other countries will join GROW in the months ahead.

"Having these graduate students step outside their comfort zones personally and professionally will enable intellectual growth and provide a broader perspective on research challenges and opportunities," said Joan Ferrini-Mundy, NSF assistant director for Education and Human Resources.

"GROW supports NSF's broader commitment to address the internationalization of science and engineering and to provide multiple pathways to engagement with top researchers worldwide," noted David Stonner, head of NSF's Office of International Science and Engineering. "GROW joins other recent NSF efforts such as [Science Across Virtual Institutes](#) (SAVI) and [Partnerships for Enhanced Engagement in Research](#) (PEER) in providing mechanisms to foster international partnerships and address global challenges."

GROW was announced as part of a celebration of the 60th anniversary of the Graduate Research Fellowship Program, NSF's flagship program for graduate students in the science and engineering fields within NSF's mission. The program has been in operation almost as long as NSF itself, making an investment in students with demonstrated potential for significant achievements in science and engineering. Some 40 NSF-selected GRFs have won the Nobel Prize.

The program has continued to evolve over six decades, and is now providing opportunities for students to conduct research that is increasingly interdisciplinary. Today's Graduate Research Fellows can also gain experience and mentoring outside the lab--in entrepreneurship, business, industry or government.

More information about GROW is available at http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504876.

More information about NSF international opportunities is available on the Office of International Science and Engineering [website](#).

-NSF-



Policies and Procedures of the Office of Research and Sponsored Programs for Submitting Applications and Proposals

The Office of Research and Sponsored Programs (ORSP) is the only office designated to submit grant proposals to funding agencies on behalf of York College of the City University of New York. As such, the goal of the office is to ensure all research and sponsored programs proposals are prepared and monitored in accordance with all applicable Federal and State regulations; OMB Circular A21, and College and University policies and procedures. In order to do this effectively and efficiently we ask all who are applying for grants to adhere to the following procedures:

- **Every** proposal must be accompanied with agency guidelines, if applicable
- **Every** proposal whether it requires a signature or not **must** be reviewed and approved by ORSP before submittal
- Proposals **must** be submitted to ORSP **ten business days** prior to the deadline of the funding agency for **review, approval and submission**
- Proposals **must** be complete with budget and budget justification in order to allow sufficient time for adequate review and submission
- Proposals being submitted electronically must be received with all information uploaded as electronic files for review which will then be submitted by this office via electronic portal. **If required, files must be converted to PDF.**
- Proposal Certification and Conflict of Interest forms **must** accompany proposals at time of submission to the ORSP (forms are located in the ORSP office)

Remember the Office of Research and Sponsored Programs is here to assist you, both in preparing and submitting proposals. Making sure a sound proposal is submitted takes time and teamwork on the part of the Principal Investigator and the office of ORSP.

FUNDING AT- A- GLANCE

Areas of Research	Funding Agency	Program Title	Deadlines	Amount	Page
Accounting & Business	Equipment Leasing and Finance Foundation	Research Grant Program	Open	\$25,000	6
Biology	National Science Foundation	International Collaborations in Organismal Biology between US and Israeli Investigators (ICOB)	01/11/2013	TBD	6,7
Collaborative Research	National Science Foundation	Transforming Undergraduate Education in Science, Technology, Engineering and Mathematics	01/14/2013	TBD	7
	National Science Foundation	Law and Social Sciences	01/15/2013		8
	National Science Foundation	Interdisciplinary Behavioral and Social Science Research (IBSS)	01/23/2013	See post	8
	National Science Foundation	Building Community and Capacity for Data-Intensive Research in the Social, Behavioral, and Economic Sciences and in Education and Human Resources (BCC-SBE/EHR)	02/27/2013	\$100,000 to \$500,000	9
Economics	National Science Foundation	Economics	01/18/2013	TBD	9
English	Lannan Foundation	Literary Arts	Open	TBD	10

FUNDING AT- A- GLANCE

Areas of Research	Funding Agency	Program Title	Deadlines	Amount	Page
Fellowships	National Endowment for the Arts	Literature Fellowships	02/28/2013	\$25,000	10
	American Psychological Association	APA Congressional Fellowship Program	01/11/2013	\$75,000 to \$90,000	10
	National Science Foundation	Mathematical Sciences Postdoctoral Research Fellowship (MSPRF)	10/16/2013	\$150,000	11
Foreign Language	U.S. Department of Education	Undergraduate International Studies and Foreign Language Program	Late Spring (tentative)	TBD	11
History & Philosophy	New York State Archives	Larry J. Hackman Research Residency Program	01/15/2013	\$100 to \$4,500	12
Performing & Fine Arts	MacDowell Colony	Residencies for Writers, Composers, and Artists	01/15/2013	TBD	12



FUNDING OPPORTUNITIES

Accounting & Business

Equipment Leasing and Finance Foundation
<http://www.leasefoundation.org/Grants/About.htm>

Deadline: Open

Research Grant Program

For more than 20 years, the Equipment Leasing and Finance Foundation have supported ongoing research within the equipment lease financing industry. The Foundation works directly with industry consultants and professor to conduct research. Annually, the Foundation provides research grants for approved studies. Research grants are available to encourage industry consultants and academic in all fields of scholarships to study topics of interest to the equipment finance industry.

General topics of research interest are:

- Funding;
- Economics;
- Industry compensation models;
- Portfolio management;
- Strategic management/planning;
- Contracts/documentation;
- Accounting/financial reporting; and finance;
- Technology benchmarking;
- Tax and legislative/regulatory;
- Strategic importance of captives;
- Credit/collections;
- Operations; and best practices

The Equipment Leasing and Finance Foundation is a non-profit organization affiliated with the Equipment Leasing and Finance Association, whose objectives are to increase the body of knowledge in the equipment lease and financing field.

Amount of Award: \$ 25,000

Biology

National Science Foundation
<http://www.nsf.gov/pubs/2012/nsf12577/nsf12577.pdf>

Deadline: January 11, 2013

International Collaborations in Organismal Biology between US and Israeli Investigators (ICOB)

The National Science Foundation (NSF) is partnering with the United States-Israel Binational Science Foundation (BSF) to support collaborative research between US and Israeli investigators in areas of biology supported by the NSF Division of Integrative Organismal Systems. The Division of Integrative Organismal Systems (IOS) supports research aimed at an integrative understanding of organisms. The goal is to predict why organisms are structured the way they are, and function as they do. Projects that innovatively apply systems biology approaches, i.e. approaches that combine experimentation, computation, and modeling, and which lead to new conceptual and theoretical insights and predictions about integrated organismal properties that may be experimentally verified, are particularly encouraged.

In the context of greater accessibility to ever-expanding and increasingly detailed biological information, the overriding objective of IOS is to support research to understand the fundamental nature of life by understanding the emergent properties of organisms. Some of these properties include but are not restricted to: complexity (how interwoven organismal components or processes produce more than a sum of their parts), robustness (the degree to which an organism resists perturbation or stressful influences); communication (the processes that enable individual components in a system to instruct one another or alter one another's behavior); resilience (the ability to recover from perturbation or stress), adaptability (the capacity of organisms to change in response to perturbations in ways that maintain overall

FUNDING OPPORTUNITIES

Biology (Con't)

organismal integrity), and cooperation (behaviors of cells or organisms that benefit more than the individual). These emergent properties can be understood through studies of the evolution, development, behavior, regulatory processes and structural properties of all organisms. Therefore comparative studies and the use of a wide variety of organisms as models are encouraged.

Understanding these emergent, systems properties of organisms requires integrative, interdisciplinary approaches. The Division encourages proposals that include analyses across multiple levels of biological organization, from molecular through ecological, theoretical as well as advanced computational techniques, and interdisciplinary collaborations involving scientists from all areas of biology, behavioral science, physical science, mathematics, engineering, and computer science

Amount of Award: To Be Determined



Collaborative Research

National Science Foundation

<http://www.nsf.gov/pubs/2010/nsf10544/nsf10544.pdf>

Deadline: January 14, 2013

Transforming Undergraduate Education in Science, Technology, Engineering and Mathematics

The Transforming Undergraduate Education in Science, Technology, Engineering, and Mathematics (TUES) program seeks to improve the quality of science, technology, engineering, and mathematics (STEM) education for all undergraduate students. This solicitation especially encourages projects that have the potential to transform undergraduate STEM education, for example, by bringing about widespread adoption of classroom practices that embody understanding of how students learn most effectively. Thus transferability and dissemination are critical aspects for projects developing instructional materials and methods and should be considered throughout the project's lifetime. More advanced projects should involve efforts to facilitate adaptation at other sites.

The program supports efforts to create, adapt, and disseminate new learning materials and teaching strategies to reflect advances both in STEM disciplines and in what is known about teaching and learning. It funds projects that develop faculty expertise, implement educational innovations, assess learning and evaluate innovations, prepare K-12 teachers, or conduct research on STEM teaching and learning. It also supports projects that further the work of the program itself, for example, synthesis and dissemination of findings across the program. The program supports projects representing different stages of development, ranging from small, exploratory investigations to large, comprehensive projects.

Amount of Award: To Be Determined

FUNDING OPPORTUNITIES

Collaborative Research

National Science Foundation

<http://www.nsf.gov/pubs/2012/nsf12507/nsf12507.pdf>

Deadline: January 15, 2013

Law & Social Sciences (LSS)

The Law & Social Sciences Program considers proposals that address social scientific studies of law and law-like systems of rules. The program is inherently interdisciplinary and multi-methodological. Successful proposals describe research that advances scientific theory and understanding of the connections between law or legal processes and human behavior. Social scientific studies of law often approach law as dynamic, made in multiple arenas, with the participation of multiple actors. Fields of study include many disciplines, and often address problems including though not limited to:

- Crime, Violence and Punishment
- Economic Issues
- Governance
- Legal Decisionmaking
- Legal Mobilization and Conceptions of Justice
- Litigation and the Legal Profession

LSS provides the following modes of support:

- Standard Research Grants and Grants for Collaborative Research
- Doctoral Dissertation Research Improvement Grants
- Interdisciplinary Postdoctoral Fellowships
- Workshop and Conference Proposals

Amount of Award: To Be Determined

National Science Foundation

<http://www.nsf.gov/pubs/2012/nsf12614/nsf12614.pdf>

Deadline: January 23, 2013

Interdisciplinary Behavioral and Social Science Research (IBSS)

The Interdisciplinary Behavioral and Social Science Research (IBSS) competition promotes the conduct of interdisciplinary research by teams of investigators in the social and behavioral sciences. Emphasis is placed on support for research that involves researchers from multiple disciplinary fields, that integrates scientific theoretical approaches and methodologies from multiple disciplinary fields, and that is likely to yield generalizable insights and information that will advance basic knowledge and capabilities across multiple disciplinary fields.

Amount of Award:

The IBSS competition invites proposals for two different kinds of projects:

1. IBSS Large Interdisciplinary Research Projects.

Large interdisciplinary research projects may be supported by awards as large as \$1,000,000.

2. IBSS Interdisciplinary Team Exploratory Projects.

Exploratory research by emerging multidisciplinary teams may be supported by awards as large as \$250,000.



FUNDING OPPORTUNITIES

Collaborative Research

National Science Foundation

<http://www.nsf.gov/pubs/2013/nsf13519/nsf13519.pdf>

Deadline: February 27, 2013

Building Community and Capacity for Data-Intensive Research in the Social, Behavioral, and Economic Sciences and in Education and Human Resources (BCC-SBE/EHR)

As part of NSF's Cyberinfrastructure Framework for 21st Century Science and Engineering ([CIF21](#)) activity, the Directorate for Social, Behavioral, and Economic Sciences (SBE), the Directorate for Education and Human Resources (EHR), and the Office of Cyberinfrastructure seek to enable research communities to develop visions, teams, and capabilities dedicated to creating new, large-scale, next-generation data resources and relevant analytic techniques to advance fundamental research for the SBE and EHR areas of research. Successful proposals will outline activities that will have significant impacts across multiple fields by enabling new types of data-intensive research. Investigators should think broadly and create a vision that extends intellectually across multiple disciplines and that includes--but is not limited to--the SBE or EHR areas of research.

Amount of Award: \$100,000 to \$500,000



Economics

National Science Foundation

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5437

Deadline: January 18, 2013

Economics

The Economics program supports research designed to improve the understanding of the processes and institutions of the U.S. economy and of the world system of which it is a part. This program also strengthens both empirical and theoretical economic analysis as well as the methods for rigorous research on economic behavior. It supports research in almost every area of economics, including econometrics, economic history, environmental economics, finance, industrial organization, international economics, labor economics, macroeconomics, mathematical economics, and public finance.

The Economics program welcomes proposals for individual or multi-investigator research projects, doctoral dissertation improvement awards, conferences, workshops, symposia, experimental research, data collection and dissemination, computer equipment and other instrumentation, and research experience for undergraduates. The program places a high priority on interdisciplinary research. Investigators are encouraged to submit proposals of joint interest to the Economics Program and other NSF programs and NSF initiative areas. The program places a high priority on broadening participation and encourages proposals from junior faculty, women, other underrepresented minorities, Research Undergraduate Institutions, and EPSCoR states.

The program also funds conferences and interdisciplinary research that strengthens links among economics and the other social and behavioral sciences as well as mathematics and statistics.

Amount of Award: To Be Determined

FUNDING OPPORTUNITIES

English

Lannan Foundation

<http://www.lannan.org/lf/programs/lit/>

Deadline: Open

Literary Arts Grants

Literary Arts supports the creation of exceptional English-language literature and seeks to develop a wider audience for contemporary poetry, fiction, and nonfiction. Areas of interest include funding organizations that support diverse writers through publication, presentation, and distribution.

Amount of Award: To Be Determined

Fellowships

National Endowment for the Arts

<http://www.nea.gov/grants/apply/Lit/GrantProgDescription.html>

<http://www.nea.gov/grants/apply/Lit/How.html>

Deadline: February 28, 2013

Literature Fellowships

The NEA Literature Fellowships program offers \$25,000 grants in **prose** (fiction and creative nonfiction) and **poetry** to published creative writers that enable recipients to set aside time for writing, research, travel, and general career advancement. Applications are reviewed through an anonymous process in which the only criteria for review are artistic excellence and artistic merit. To review the applications, the NEA assembles a different advisory panel every year, each diverse with regard to geography, race and ethnicity, and artistic points of view.

The NEA Literature Fellowships program operates on a two-year cycle with fellowships in prose and poetry available in alternating years. For FY 2014, which is covered by these guidelines, fellowships in prose (fiction and creative nonfiction) are available. Fellowships in poetry will be offered in FY 2015 and guidelines will be available in the fall of 2013. **You may apply only once each year.**

Amount of Award: \$25,000

American Psychological Association

<http://www.apa.org/about/awards/congress-fellow.aspx>

Deadline: January 11, 2013

APA Congressional Fellowship

The purpose of this fellowship is to provide psychologists with an invaluable public policy learning experience, to contribute to the more effective use of psychological knowledge in government and to broaden awareness about the value of psychology-government interaction among psychologists and within the federal government. Fellows spend one year working on the staff of a member of Congress or congressional committee. Activities may involve drafting legislation, conducting oversight work, assisting with congressional hearings and events, and preparing briefs and speeches. Fellows also attend a two-week orientation program on congressional and executive branch operations, which provides guidance for the congressional placement process, and participate in a yearlong seminar series on science and public policy issues. The American Association for the Advancement of Science (AAAS) administers these professional development activities for the APA fellows and for fellows sponsored by over two dozen other professional societies.

APA will sponsor up to two congressional fellows for a one-year appointment beginning September 1, 2013. Additional fellowships are available for [mid-career/senior clinicians](#) and for [psychologists with expertise in health and behavior issues](#), including HIV/AIDS, and [psychologists with a background in developmental or clinical psychology and experience working directly with children](#). The fellowship stipend ranges from \$75,000 to \$90,000, depending upon years of post-doctoral experience. In addition, APA provides reimbursement for health insurance coverage and a \$3,750 stipend for professional development and relocation expenses during the fellowship year. Final selection of fellows will be made in early spring of 2013.

Amount of Award: \$75,000 to \$90,000

FUNDING OPPORTUNITIES

Fellowship Con't

National Science Foundation

<http://www.nsf.gov/pubs/2012/nsf12496/nsf12496.pdf>

Deadline: October 16, 2013

Mathematical Sciences Postdoctoral Research Fellowships (MSPRF)

The purpose of the Mathematical Sciences Postdoctoral Research Fellowships (MSPRF) is to provide increased flexibility for Fellows in choosing postdoctoral research environments that will have maximal impact on their future scientific development. The Fellows will have two options for receipt of a stipend:

1. **The Research Fellowship option provides full-time support for any eighteen academic-year months in a three-year period, in intervals not shorter than three consecutive months.**
2. **The Research Instructorship option provides a combination of full-time and half-time support over a period of three academic years, usually one academic year full-time and two academic years half time.**

Under both options, the award includes six summer months; however, no more than two summer months of support may be received in any calendar year.

Under both options, the stipend support for 24 months (18 academic-year months plus 6 summer months) will be provided within the 48-month duration of the award.

Amount of Award: \$150,000

Foreign Language

U.S. Department of Education

<http://www2.ed.gov/programs/iegpsugisf/applicant.html>

Deadline: Late Spring 2013 (Tentative)

Undergraduate International Studies and Foreign Language Program

This program provides funds to plan, develop, and carry out programs to strengthen and improve undergraduate instruction in international studies and foreign languages

Types of Projects

Each program assisted with federal funds must enhance primarily the international academic program of the institution. Eligible activities may include but are not limited to:

- Development of a global or international studies program that is interdisciplinary in design;
- Development of a program that focuses on issues or topics, such as international business or international health;
- Development of an area studies program and programs in corresponding foreign languages;
- Creation of innovative curricula that combine the teaching of international studies with professional and preprofessional studies, such as engineering;
- Research for and development of specialized teaching materials, including language instruction, i.e., business French;
- Establishment of internship opportunities for faculty and students in domestic and overseas settings; and
- Development of study abroad programs.

Amount of Award: To Be Determined

FUNDING OPPORTUNITIES

History & Philosophy

New York State of Archives

http://www.archives.nysed.gov/apt/grants/hackman_guideline.shtml

Deadline: January 15, 2013

Larry J. Hackman Research Residency Program

The New York State Archives and the Archives Partnership Trust announce the availability of awards for qualified applicants to pursue research using historical records in the New York State Archives. The Larry J. Hackman Research Residency Program is intended to support advanced work in New York State history, government or public policy by covering research expenses. It also encourages public dissemination of research products. The program honors the New York State Archivist who managed the dramatic development of the State Archives between 1981 and 1995.

Amount of Award: \$100 to \$4,500



Performing & Fine Arts

MacDowell Colony

<http://www.macdowellcolony.org/apply-appguidelines.html>

Deadline: January 15, 2013

Residencies for Writers, Composers and Artists

The MacDowell Colony provides time, space, and an inspiring environment to artists of exceptional talent. A MacDowell Fellowship, or residency, consists of exclusive use of a studio, accommodations, and three prepared meals a day for up to eight weeks. There are no residency fees.

MacDowell Fellows are selected by our admissions panels, which are comprised of a revolving group of distinguished professionals in each artistic discipline who serve anonymously for three years.

Eligibility

The Colony accepts applications from artists working in the following disciplines: architecture, film/video arts, interdisciplinary arts, literature, music composition, theatre, and visual arts. The sole criterion for acceptance is artistic excellence, which the Colony defines in a pluralistic and inclusive way. MacDowell encourages applications from artists representing the widest possible range of perspectives and demographics, and welcomes artists engaging in the broadest spectrum of artistic practice and investigating an unlimited array of inquiries and concerns. To that end, emerging as well as established artists are invited to apply. Applicants who are in a degree program as of the date of application are ineligible for a residency and therefore cannot apply.

MacDowell is committed to a policy of nondiscrimination and equal opportunity for all persons regardless of race, sex, color, religion, creed, national origin or ancestry, age, marital status, sexual orientation, gender identity, gender expression, and disability. No one with the AIDS virus, or HIV shall be denied admission as long as he/she is otherwise qualified. The Colony offers barrier-free access in all main buildings and some studios

Award Amount: To Be Determined

Proposals Submitted
October 1, 2012 – November 30, 2012

Name	Project Title	Agency	Amount
<u>CHEMISTRY</u>			
Ruel Desamero Adam Profit	RUI: Aromatic and Steric Contributions to the Formation of Amyloid by Peptides Derived from Human Islet Amyloid Polypeptide	National Science Foundation	\$452,248
<u>EARTH & PHYSICAL SCIENCE</u>			
Kevin Lynch James Popp	Mu2e Muon Stopping Target and Monitor	National Science Foundation	\$555,407

Proposals Awarded
October 1, 2012 – November 30, 2012

Name	Project Title	Agency	Amount
<u>EARTH & PHYSICAL SCIENCES</u>			
Timothy Paglione	Origins of the Gamma-Ray Emission from Infrared-Luminous Galaxies with Fermi	Cornell University	\$15,000



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<http://www.rfcuny.org>
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(718) 262-2060**



HAPPY HOLIDAYS

York College
Faculty and Staff

From:
The Office of Research and
Sponsored Programs



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YORK College

CUNY The City University of New York