FROM THE DIRECTOR…

Welcome back! I hope you had a restful Winter Break.

The 2012 Learning and Research Fair is scheduled for Wednesday April 18, 2012 from 10:00 am until 2:00 pm in the Barrington Student Union. The Fair is a great way for faculty, staff and students to share their scholarly and creative accomplishments with colleagues and to discuss possible future collaborations. If you have not signed up to do a presentation at the Fair, make a point to attend the Fair. I think you will be favorably impressed by the scholarly activities on display at the annual Learning and Research Fair.

For the members of our campus community who use human subjects in their research, Dr. Maureen McCarthy, IRB chair, will be holding three workshops in the L-TEC this spring to assist human subjects researchers with understanding the IRB process and how to prepare an IRB Application. All workshops will be held at noon on the date listed:

Smooth Sailing through the IRB—March 23, 2012

If you are not able to attend this workshop and need assistance with an IRB matter, Dr. McCarthy will be happy to assist you.

Finally, on Friday March 23, 2012, as part of the School of Education and Professional Studies seminar series, I will be presenting a noon-time discussion of “Research and Grant Services Available at SUNY Potsdam”. This informal presentation will address the wide-array of services available through the Research and Sponsored Programs Office. If you are interested in a brief overview of these services, please bring your lunch to Satterlee Hall 200 and join us for the presentation.

Hope to see you around campus!

Dr. Nancy Dodge Reyome, Director

Inside this Issue:

| From the Director…………………………………. | 1 |
| From the Provost…………………………………… | 2 |
| Who’s Who in Scholarship……………………… | 4 |
| Announcements…………………………………… | 4 |
| Campus Funding Programs………………………… | 5 |
| External Funding Programs: | 5 |
| Education Funding……………………………… | 5 |
| Research Equipment Funding…………………… | 6 |
| Health Funding…………………………………… | 6 |
| Computer Education & Technology Funding…… | 7 |
| Deadlines………………………………………… | 8 |
| Acronyms………………………………………… | 8 |
| Recent Proposal Submissions…………………… | 9 |
| Recent Award Activity…………………………… | 9 |
| Internal Grant Programs………………………… | 9 |
FROM THE PROVOST

**Conflict of Interest Requirements:**
In accordance with Federal regulations, SUNY Potsdam requires that a researcher disclose any potential conflict of interest due to a significant financial interest in a sponsored activity to the Research and Sponsored Programs Office before a proposal for that activity may be submitted to a sponsoring agency.

A potential conflict of interest exists when the personal or private interests of an individual, their spouse or child might lead an independent observer to reasonably question whether the individual's professional actions or decisions are influenced by considerations of significant personal interest, financial, or otherwise, particularly if those interests or commitments are not disclosed.

In order to provide assurance that any potential conflict is disclosed all investigators must read the Conflict of Interest Policy and then complete and submit the Annual Disclosure of Financial Interests and Obligations Statement on or before October 1, but no later than:

- Submission of an application to an external sponsor, or
- Acceptance of award where there was no prior disclosure submitted for that work

The Policy and forms can be found on The Research and Sponsored Programs web site at: [http://www.potsdam.edu/faculty/research/rsp0/conflict/index.cfm](http://www.potsdam.edu/faculty/research/rsp0/conflict/index.cfm)

**Responsible Conduct of Research Requirements:**
Because of new regulations in federal agencies, all National Science Foundation (NSF) and National Institutes of Health (NIH) proposal submissions must include an institutional assurance that the University has provided training in Responsible Conduct in Research (RCR) to all researchers, including student researchers, who participate in NSF- or NIH-funded research. Effective January 4, 2010, the College required all researchers involved in applications to NSF or NIH to have completed our training program, described below, before proposals may be submitted to those agencies. The NSF and NIH requirement applies to renewal applications, as well as new proposals.

The State University of New York at Potsdam will require that all researchers receiving NSF or NIH funding complete training through the Collaborative Institutional Training Initiative (CITI) online training program to meet the RCR requirements. The CITI online courses are designed for faculty, staff, graduate students, and undergraduate students who have an interest or focus in the research areas targeted by federal support and serve to satisfy federal regulations that require RCR training as a part of grant and contract terms and conditions. The modules contain information about responsible conduct in research, case studies and quizzes related to each of the areas.

Faculty and staff who receive federal funding to conduct research or to supervise student researchers are responsible for ensuring all work is done in compliance with University, Federal and other applicable policies. The Office of Research and Sponsored Programs has been charged with overseeing compliance with RCR training requirements and will assist researchers in identifying and completing appropriate RCR training, instruction, and guidance. New users of the CITI Program must register to create their own username and password and gain access to the site by selecting "New Users Register Here" and selecting SUNY – College at Potsdam in the "Participating Institutions" drop down box. [http://www.citiprogram.org](http://www.citiprogram.org)
Nine core areas recommended by NSF and NIH are covered by the CITI training modules:

- Acquisition, management, sharing, and ownership of data
- Publication practices and responsible authorship
- Conflict of interest and commitment
- Research misconduct
- Peer review
- Mentor/trainee responsibilities
- Collaborative science
- Human subjects protections
- Animal welfare

Please note that these RCR courses are not substitute training courses for individuals who conduct research utilizing human participants or animals. If you plan to conduct research utilizing human participants or animals you must also complete the required basic training courses in those areas. In addition, all human subjects’ research projects must be reviewed by the Institutional Review Boards (IRB). Information about conducting Human Subject research and training requirements is available on the Research and Sponsored Programs website.

All animal research projects must be reviewed by the Institutional Animal Care and Use Committee (IACUC). Information about the training requirements is available through the Office of Research and Sponsored Programs.

**Discipline Specific Online Courses**

There are five discipline specific online RCR courses available through SUNY Potsdam as outlined below:

**Social and Behavioral Responsible Conduct of Research Course:** This course is for investigators, staff and students with an interest or focus in Social and Behavioral research.

**Physical Science Responsible Conduct of Research Course:** This course is for investigators, staff and students with an interest or focus in Physical Science research.

**Arts/Humanities Responsible Conduct of Research Course:** This course is for investigators, staff and students with an interest or focus in Arts/Humanities research.

**Administrators Responsible Conduct of Research Course:** This course is for Administrators, with a focus in the administration of the Institutional Review Board.

**Animal Researchers Responsible Conduct of Research Course:** This course is for investigators, staff and students with an interest or focus in animal research.

Individuals are required to complete only the most relevant discipline specific course.

The Office of Research and Sponsored Programs (RSPO) will monitor records for completion of the required on-line RCR training components. Failure to comply with these requirements could make both individual researchers and the College ineligible to received funds from either of these funding agencies.

Thank you for your cooperation in assuring that the College meets its compliance obligations with federal agencies.
WHO'S WHO IN SCHOLARSHIP…

Dr. Gordon Plague

Dr. Gordon Plague joined the faculty in the Biology Department at SUNY Potsdam in the Fall of 2011. He has a Ph.D. in Entomology and teaches courses in Microbiology, Evolution and Ecology, and Genetics. As an evolutionary biologist, Dr. Plague’s research interests lie at the interface of ecology, evolution, and molecular genetics. His current research focuses on obligate insect-bacterial symbioses. These bacteria live within specialized insect cells (as such, they are called endosymbionts), and they often synthesize nutrients that are lacking in their host’s diet, thereby allowing the insects to exploit otherwise unsuitable food resources. By opening these essentially closed niches, endosymbionts have played a central role in the evolution and diversification of insects. Conservative estimates suggest that 10% of all insect species harbor obligate nutritional endosymbionts, including insects of economic (e.g., plant sap feeders, stored grain consumers) and health importance (e.g., blood feeders).

These nutritional endosymbioses are usually ancient relationships. For example, the tsetse fly/Wigglesworthia symbiosis is ~80 million years old, and the aphid/Buchnera symbiosis is ≥150 million years old. Although these are mutualistic relationships now (i.e., both partners benefit), most probably began as pathogenic associations, much like the associations we have with our pathogenic bacteria.

Interestingly, when bacteria transition to a pathogenic lifestyle, their genomes often converge on very similar architectures (e.g., they frequently become smaller, more prone to chromosomal rearrangements, and riddled with mobile parasitic genes called transposable elements). Dr. Plague currently has a NIH grant to study the early stages of bacterial-host evolution; in particular, the role that relaxed natural selection in the intracellular environment plays in molding the genomic evolution of bacterial pathogens.

Dr. Plague and his students primarily perform long-term evolution experiments with *E. coli*, trying to replicate the key ecological conditions of endosymbiosis in the laboratory. They recently completed a 4000-generation experiment, which ran continuously for over 2 years, and they will begin another long-term experiment this summer. Needless to say, these experiments require a lot of hands-on work, and as such are ideally suited for undergraduate involvement.
ANNOUNCEMENTS…

Mileage Reimbursement Rate: The current reimbursement rate for personal auto use in connection with project activities is .555 cents per mile.

Fringe Benefit Rates: The following fringe benefit rates are in effect for the time period July 1, 2011-June 30, 2012:

- Regular Employees: 41.5%
- Summer Only Employees: 17%
- Undergraduate Students: 5%
- Graduate Students: 13%

Research and Sponsored Programs Home Page: (or access it through the SUNY Potsdam home page under information for Faculty and Staff)

http://www.potsdam.edu/RSPO

IRB Chair: Dr. Maureen McCarthy is the current IRB Chair. She can be reached at x2919 or mccartma@potsdam.edu.

IACUC Chair: Dr. Jan Trybula is the current IACUC Chair. He can be reached at x2258 or trybulj@potsdam.edu.

Learning and Research Fair 2012: Wednesday, April 18, 2012

Grant Development Program 2011-2012
This program will provide awards of up to $1,500 to full-time faculty or professional staff to pursue the development of new proposals for submission to external funding agencies. All successful applicants will be required to submit a full proposal (with a budget of at least $50,000/yr.) to an external sponsor within one year from the time of award. It is expected that those interested will have identified a potential sponsor and contacted that sponsor to discuss funding possibilities. The application form requires a description of the proposed project and a project time line that incorporates the applicant’s plans for meeting the grant submission deadline. Allowable budget items include travel, supplies, books, duplicating, phone, etc.

DEADLINE: OPEN

Grant Writing Initiative (GWI)
The Research and Sponsored Programs Office will make up to 6 awards of $250 each to faculty and professional staff who develop and submit viable proposals to external funding agencies during 2011-2012. All grant proposals submitted through the Research and Sponsored Programs Office (excluding continuation and fellowship applications) will automatically be eligible.

Awards will be made based on the following considerations:

- Quality of proposal
- Match between proposal and sponsor (likelihood of success)
- Institutional support of proposal

Up to 6 awards will be made in May 2012 for proposals submitted up to April 30, 2012.

CAMPUS
SUPPORT PROGRAMS

Research and Creative Endeavors Program for 2011-2012
The Research and Creative Endeavors Program is designed to provide faculty with seed money to pursue a research or scholarly project and eventually seek and attract external funding for their work. As in the past, in making awards, the Committee will especially emphasize projects that have the potential to encourage new faculty, women and minorities; to support research and creative endeavors across the disciplines; and to attract external resources. The maximum award per project is $1,000. Generally, this program does not provide funding for conference travel, computer equipment and general office expenses.

DEADLINE: April 4, 2012
**EDUCATION FUNDING**

(1) **National Science Foundation / The Robert Noyce Teacher Scholarship Program**

The Robert Noyce Teacher Scholarship Program seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 mathematics and science teachers. The Noyce Scholarship Track provides funds to institutions of higher education to support scholarships, stipends, and academic programs for undergraduate STEM majors and post-baccalaureate students holding STEM degrees who earn a teaching credential and commit to teaching in high-need K-12 school districts. The NSF Teaching Fellowship/Master Teaching Fellowship Track supports STEM professionals who enroll as NSF Teaching Fellows in master's degree programs leading to teacher certification by providing academic courses, professional development, and salary supplements while they are fulfilling a four-year teaching commitment in a high need school district. This track also supports the development of NSF Master Teaching Fellows by providing professional development and salary supplements for exemplary mathematics and science teachers to become Master Teachers in high need school districts. Each track supports Capacity Building Projects to develop the capacity for institutions to provide innovative teacher preparation programs to enable increasing numbers of STEM majors and STEM professionals to become effective K-12 mathematics and science teachers and to develop the capacity to prepare master science and mathematics teachers.


Letter of Intent Deadline Date: February 27, 2012

Full Proposal Deadline Date: March 26, 2012

(2) **Hayek Fund for Scholars**

The Hayek Fund for Scholars provides awards of up to $750 to graduate students and untenured faculty members for career-advancing activities. The award is open to graduate students who intend to pursue academic careers and untenured faculty members whose academic work contributes to the understanding of the principles, practices, and institutions necessary to a free society or to the understanding of the classical liberal or libertarian tradition. Eligible career-advancing activities include, but are not limited to: presentations at academic or professional conferences, travel to academic job interviews on a campus or at professional/academic conferences, travel to archives or libraries for research, participation in career-development or enhancing seminars, distribution of a published article to colleagues in your field, and/or submission of unpublished manuscripts to journals or book publishers.

Website: [http://www.theihs.org/hayek-fund-scholars](http://www.theihs.org/hayek-fund-scholars)

Deadline: Applications are accepted on a rolling basis.

---

**RESEARCH EQUIPMENT FUNDING**

(3) **Micromeritics Instrument Grant Program**

This program provides a cost-effective mechanism for groups of non-profit academic and institute supported investigators to obtain commercially-available, technologically sophisticated particle characterization instrumentation. The objective of the Program is to make Micromeritics’ particle characterization instruments available to non-profit universities and institutions for use in the conduct of meritorious research projects. This Program is designed to promote and advance the acquisition and use of expensive particle characterization instrumentation not generally available through other means. Types of instrumentation include particle size analyzers, gas adsorption analyzers, mercury porosimeters, gas pycnometers, and chemisorption instrumentation. Since the nature and scope of the instruments that may be requested will vary, it is anticipated that the value of awards will vary also. Major
recipients of a Program Grant of the Donated Equipment may include individual researchers or a group of researchers within the same department or from several departments at one institution. In addition, the Donated Equipment may be donated for shared use by two or more institutions provided that the grant application demonstrates the feasibility of such shared use. 

**Website:**  [http://www.micromeritics.com/Pressroom/Particle-Characterization-Instruments-Grants.aspx](http://www.micromeritics.com/Pressroom/Particle-Characterization-Instruments-Grants.aspx)

**Deadline:** Applications may be submitted at any time in accordance with the application instructions. Applications are good for a period of one year from the date of submission.

---

**HEALTH FUNDING**

**(4) Rite Aid Foundation**

Funding is limited to programs that focus on health and wellness in the communities in which Rite Aid operates. Grants are awarded for one year at a time, and no organization can receive a grant from the Foundation more than two years in a row. Organizations that receive two consecutive grants must wait 24 months to apply to the Foundation again. The Rite Aid Foundation accepts proposals throughout the year, with committee review as soon as possible after July 1, October 1, January 1 and April 1. Applications are reviewed and applicants to all correctly submitted applications are notified within 60 to 90 days of arrival.

**Website:**  [http://www.riteaid.com/company/community/foundation.jsf](http://www.riteaid.com/company/community/foundation.jsf)

**Deadline:** Before April 1, 2012

---

**COMPUTER EDUCATION AND TECHNOLOGY**

**(5) National Science Foundation/Computing Education for the 21st Century (CE21)**

The Computing Education for the 21st Century (CE21) program aims to build a computationally savvy 21st century workforce that positions the US to demonstrate a leadership role in the global economy. Innovations in computing and more broadly, information technology (IT), drive our economy, underlie many new advances in science and engineering, and contribute to our national security. Projected job growth in IT is very strong. Despite these very positive indicators, student interest in computing has declined dramatically over the last decade. For example, the percentage of college freshmen indicating an intent to major in computing has declined overall by 70% in the last decade; for women, the decline was 80% (HERI, 2000-2009). Recent data show that student interest in computing majors has fallen behind projected job openings by a factor of five and a half (ACT, 2010). The CE21 program seeks to reverse this troubling trend by engaging larger numbers of students, teachers, and educators in computing education and learning at earlier stages in the education pipeline. While interventions in primary education are within scope, the CE21 program focuses special attention on activities targeted at the middle and high school levels (i.e., secondary education) and in early undergraduate education.


**Deadline:** April 29, 2012
DEADLINES

OPEN

- SUNY Potsdam-Grant Development Program
- Hayek Fund for Scholars
- Micromeritics Instrument Grant Program

FEBRUARY 27, 2012
- Letter of Intent for The Robert Noyce Teacher Scholarship Program

MARCH 26, 2012
- Full proposal deadline for the Robert Noyce Teacher Scholarship Program

APRIL 1, 2012
- Rite Aid Foundation Health and Wellness Funding

APRIL 4, 2012
- SUNY Potsdam-Research and Creative Endeavors Program

APRIL 9, 2012
- National Science Foundation – Computing Education for the 21st Century (CE21)

APRIL 30, 2012
- SUNY Potsdam – Grant Writing Initiative

ACRONYMS:

<table>
<thead>
<tr>
<th>AAUW</th>
<th>American Association of University Women</th>
<th>NIJ</th>
<th>National Institute of Justice</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACE</td>
<td>American Council on Education</td>
<td>NSF</td>
<td>National Science Foundation</td>
</tr>
<tr>
<td>ACLS</td>
<td>American Council of Learned Societies</td>
<td>RC</td>
<td>Research Corporation</td>
</tr>
<tr>
<td>ACS</td>
<td>American Chemical Society</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AAM</td>
<td>American Assoc. of Museums</td>
<td>USDE</td>
<td>U. S. Department of Education</td>
</tr>
<tr>
<td>AI</td>
<td>Arts International</td>
<td>USIA</td>
<td>United States Information Agency</td>
</tr>
<tr>
<td>APAP</td>
<td>Association of Performing Arts Presenters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APS</td>
<td>American Philosophical Society</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAN</td>
<td>Canadian Studies Program</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIES</td>
<td>Council for the International Exchange of Scholars</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DOE</td>
<td>Department of Energy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EPA</td>
<td>Environmental Protection Agency</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FDA</td>
<td>Food and Drug Administration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIPSE</td>
<td>Fund for the Improvement of Postsecondary Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IMS</td>
<td>Institute of Museum Services</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MDC</td>
<td>MacDowell Colony</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NAE</td>
<td>National Academy of Ed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NCEEER</td>
<td>National Council for Eurasian &amp; E. European Research</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEA</td>
<td>National Endowment for the Arts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEH</td>
<td>National Endowment for the Humanities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIH</td>
<td>National Institutes of Health</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
RECENT PROPOSAL SUBMISSIONS

January 6, 2012  
To: National Science Foundation  
From: Sergei Abramovich, Co-PI's: F. Bou-Abdallah, T. Fossum  
Title: Collaborative Research: Early Technology Enhanced Mathematics Experiences With an Engineering/Science Focus  
Amount Requested: $842,344  
Pre-Award Contact: Kathy Chapman

RECENT AWARD ACTIVITY

S. DeJoy was awarded $1,800 from the Foundation for the Advancement of Midwifery for her project titled "Someday for College Women."

Diana Fisher has been awarded $279,330 from the U.S. Department of Education for the "Student Support Services Program" for 2011-2012

Dorothy Mallam has been awarded $18,507 from Genesee Valley Educational Partnership for the "Comenzar Even Start Project" and $724,971 from the NYS Education Department for the "North Country Migrant Education Program" for 2011-2012.

William Morris has been awarded $93,500 from the NYS Office of Child and Family Services for the LDST-02 Local District Training and Support contract for 2012.

Gordon Plague transferred the remainder of his National Institutes of Health grant in the amount of $99,860 from his previous institution for his project titled "Experimental Evolution of Insertion Sequence Expansion in Intracellular Bacteria."

Julie Reagan has been awarded $85,645 from NYS Education Department for the "Teacher/Leader Quality Partnership Program" for 2011-2012

J. Patrick Turbett, Potsdam Institute for Applied Research (PIAR), has been awarded $80,829 from the NYS Education Dept. for the State Performance Plan for Special Education Surveys for 2011/12; $229,623 for the NYS Education Dept. for SPP#14 for 2012; $16,956 from the Vermont Department of Education for 2012; $9,500 from Clarkson University to provide evaluation services for the Clarkson REU grant for 2012.

2011-2012 INTERNAL GRANT PROGRAMS

Research and Creative Endeavors Program 2011-2012  
(Awarded October 2011)

Dr. Sharon DeJoy  
“Women’s Experience of Weight Bias in Maternity Care”  
$372.00