Announcements

UFCD Office of Research Grants Core
The UFCD Office of Research recently formed a post-award/accounting grants core. The core provides principle investigators (PI) and department staff with assistance in the areas of finance and compliance. Services include: monthly reconciliation of grant accounts, regular meetings with PIs and staff, salary analysis, payroll distributions, audits and account close outs. Ms. Ronda Breton, Senior Grants Specialist leads the core and is assisted by Ms. Amanda O’Hara, grant specialist.

Research and AxiUm
Did you know that the dental clinic management system, AxiUm can be used for specific research studies? Research projects established in AxiUm give a research team the ability to collect data involving participants and treatments. In addition, AxiUm can generate reports reflecting the compiled data in a variety of formats. Faculty interested in establishing a research project in AxiUm should contact the IT helpdesk. UFCD IT staff will also conduct one on one or team training. Please note, IRB approval is required for all human subject studies.

New NIH/Federal Salary Cap: Notice
Number: NOT-OD-14-043
NIH announced that effective January 12, 2014 the federal salary cap limitation was raised from $179,700 to $181,500. The salary cap limitation does not change the committed effort for key personnel. However, the salary charged to federal awards may be increased to match the allowable cap.

Training Updates
The Division of Sponsored Programs issued notification of training requirements for principle investigators, department chairs, deans, directors, and grant management staff. The University will withhold sponsored funding if the training requirement is not met. Effective March 3rd, 2014 the following training is mandatory and available through MyUFL:

<table>
<thead>
<tr>
<th>Principle investigators</th>
<th>• RSH 220 Effort Fundamentals</th>
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<td>• RSH 260 Cost Principles</td>
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<thead>
<tr>
<th>Grant management staff</th>
<th>• RSH 220 Effort Fundamentals</th>
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<tr>
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<td>• RSH 230 Effort Management for Sponsored Programs</td>
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<td>• RSH 260 Cost Principles</td>
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</tbody>
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| Department chairs, deans, | • RSH 220 Effort Fundamentals |

Enhancements to myinvestiGator
Phase two of myinvestiGator went “live” on Monday, January 27. All phase one features and functionality remain intact. Enhancements include:
• New, more responsive interface
• Expanded search functionality
• Enhanced payroll and job information to better see who is getting paid on your grants
• Effort commitment data for increased compliance and monitoring

Another new feature is the Graphical Analysis, which displays burn rates and expense trending so faculty can more easily track grant spending.
in human primary gingival epithelial cells. I have had the honor to both prepare first author manuscripts and present my studies in various meetings, from 2013 IADR/AADR/CDAR Conference to Hinman Student Research Symposium and now, I look forward to competing in the AADR Johnson & Johnson Hatton Awards as one of the semi-finalists. Receiving “the call” on December 3rd 2013 was a dream come true-when I was notified of my acceptance to University of Florida College of Dentistry. Through my research experience, I felt more strongly that research is the true backbone of dentistry and other clinical sciences, which led me into the decision to apply to our integrated DMD/PhD program and pursue a career in the academia. I am truly excited to see where my road will lead me to and look forward to both my continuing clinical and research trainings!

DMD Student Receives Fulbright Award:

Danny Kalash

Danny Kalash, a senior DMD student, has been selected for a 2014-2015 Fulbright U.S. Student Award to Jordan. The Fulbright Program is the flagship international educational exchange program of the United States. The Fulbright Program provides participants-chosen for their academic merit and leadership potential - with the opportunity to study, teach and conduct research, exchange ideas and contribute to finding solutions to shared international concerns.
Danny's project, "Establishing an Oral Health Education and Dental Home Program" will take place over 10-12 months in Amman and Irbid, Jordan. There, he will survey the oral health knowledge, behavior, and attitudes, as well as dental home status of children and parents of 5 rural and 5 urban elementary schools. With that information, Danny will work with the Jordan University of Science and Technology Department of Pediatric Dentistry to create and implement a school-based oral health education program and dental home registry. Pending outcomes, the results of the study and program will be presented to the Jordanian Ministry of Health and Education in order to be formally implemented across the country. He will also be representing the country as a cultural ambassador while overseas, helping to enhance mutual understanding between Americans and the people of Jordan. He will join over 100,000 Fulbright U.S. Student Program alumni who have undertaken grants since the program began in 1948.

Danny has also matched into a Pediatric Residency Program at the University of California Los Angeles (UCLA). There he will continue with an MPH and independently pursue additional training in Non-Profit Management. Danny plans to defer his Fulbright year to post residency and will leave for Jordan following graduation where he'll begin his project through the summer.

Dr. Özlem Yilmaz presents this brief introduction to her laboratory’s recently published paper: Danger Signal Adenosine via Adenosine 2a receptor stimulates growth of Porphyromonas gingivalis in primary gingival epithelial cells.

“Danger signal adenosine via adenosine 2a receptor stimulates growth of Porphyromonas gingivalis in primary gingival epithelial cells”

Microbiology, 2014. This study largely is achieved by a team of current DMD students (Ralee Spooner and KyuLim Lee, a junior and a freshman respectively).

Infected, dying, or stressed cells release “danger signals (DSs)” that are normally found in the cytosol and nucleus of healthy cells, including adenosine-triphosphate (ATP) and adenosine. Extracellular ATP is a key DS molecule and a nucleoside molecule involved in cellular energetics, shown to play a pivotal role as a regulator of inflammation and infection. A less appreciated component of the innate immune armamentarium is the DS adenosine, a metabolite of ATP that is generated via a series of enzymatic reactions in stressed and infected tissues. The pro-inflammatory features of ATP, especially for controlling of intracellular infections, have been widely studied, while the anti-inflammatory nature of adenosine during infection remains largely unexplored.

Adenosine pathways are emerging as therapeutic targets for the treatment of variety of diseases and very recent literature supports the significance of adenosine signaling in the oral cavity, particularly for periodontal disease. This includes adenosine-dependent reduction in periodontal inflammation in rat models and detection of elevated A2a receptor mRNA expression in gingival tissues of patients diagnosed with chronic periodontal disease. Our study demonstrated for the first time that gingival epithelial cells (GECs) express the full complement of adenosine receptors, including the functional A2a receptor. Moreover, stimulation of P. gingivalis-infected primary GECs with an A2a receptor-specific agonist strongly induced
proliferation of intracellular P. gingivalis, while treatment with broad-spectrum adenosine receptor agonist had much lesser effect on the amount of infection. Antibiotic protection assay of P. gingivalis-infected GECs treated with A2a receptor-specific agonist also revealed significantly higher amounts of recoverable P. gingivalis. Treatment of the infected GECs with A2a receptor-specific antagonist and RNA depletion of A2a receptor resulted in substantially reduced levels of metabolically active intracellular P. gingivalis. Furthermore, stimulation of GECs with the A2a receptor-specific agonist resulted in elevated cAMP, indicating activation of anti-inflammatory A2a receptor signaling. This study shows a novel anti-inflammatory immune response utilized by P. gingivalis to further promote successful life in the oral mucosa. The adenosine receptors could represent a potential target for therapeutic intervention in chronic periodontitis.

2014 Spring Synergy
Celebration of Science

This year’s Spring Synergy Celebration of Science occurred on April 4th at the Emerson Alumni Hall and the event was a huge success! Students and Faculty alike presented their ongoing research and many prizes were awarded at the close of the event.

The winners for the poster presentations are as follows:

PhD/Post-Doc/Graduate Category
1st Place- Sara Palmer
2nd Place- (TIE): Kyle Heim & Zach Moye

MS/Resident Category
1st Place- Carl Jones
2nd Place- Marc Rasmussen

DMD Category
1st Place- (TIE): Paula Cohen & Ann Decker
2nd Place- Nina Guba

The winners for the oral presentations are as follows:

PhD/Post-Doc/Graduate Category
1st Place- Irina Velsko
2nd Place- (TIE): Matthew William & Adrienne Gauna

MS/Resident
1st Place- Lindsay Montague
2nd Place- Thomas Currie

DMD Category
1st Place- KyuLim Lee
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<th>Activity Codes</th>
<th>Program Description</th>
<th>Application Form</th>
<th>Cycle II Due Date</th>
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| P Series      | **Program Project Grants and Center Grants**  
All - new, renewal, resubmission, revision  
NOTE: Applicants should check with the relevant Institute or Center (IC), since some do not accept P series applications for all three receipt/review/award cycles. 
Transition to SF424 (R&R): [On Hold](#) | PHS 398 | May 25 |
| R18/U18 R25   | **Research Demonstration Education Projects**  
All - new, renewal, resubmission, revision | SF424 (R&R) | May 25 |
| T Series      | **Institutional National Research Service Awards**  
**Other Training Grants**  
All - new, renewal, resubmission, revision  
NOTE: Applicants should check with the relevant Institute or Center (IC), since some do not accept T series applications for all three receipt/review/award cycles. Applicants should refer to the IC Table of Contacts for information for each IC’s scientific/research contact for the NRSA T32 program. | SF424 (R&R) | May 25 |
| D Series      | **Construction Grants**  
All - new, renewal, resubmission, revision | SF424 (R&R) | May 25 |
| C06/UC6       | **Other Activity Codes**  
All - new, renewal, resubmission, revision | SF424 (R&R) | May 25 |
| G07, G08, G11, G13, G20, S11, S21, S22, SC1, SC2, SC3  
All - new, renewal, resubmission, revision | SF424 (R&R) | May 25 |
| D71/U2R, G12, M01, R10/U10, R24, R24/U24, S06, U19, U45, U54, U56  
All - new, renewal, resubmission, revision | SF424 (R&R) | May 25 |
| R01           | **Research Grants**  
new | SF424 (R&R) | June 5 |
| U01           | **Research Grants - Cooperative Agreements**  
new | SF424 (R&R) | June 5 |
| UM1           | **Research Grants - Multi-Component Cooperative Agreements**  
new | PHS 398 | June 5 |
| K series      | **Research Career Development**  
new | SF424 (R&R) | June 12 |
| R03, R21, R33, R21/R33, R34, R36  
Other Research Grants | SF424 (R&R) | June 16 |
### New R15

**Academic Research Enhancement Award (AREA)**

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<th>Application Form</th>
<th>Cycle I Due Date</th>
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<tr>
<td>All - new, renewal, resubmission</td>
<td><strong>AIDS and AIDS-Related Applications</strong></td>
<td>Based on Activity Code</td>
<td>May 7</td>
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### NIH July through August Deadlines

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<tr>
<th>Activity Codes</th>
<th>Program Description</th>
<th>Application Form</th>
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<tr>
<td>R01 renewal, resubmission, revision</td>
<td><strong>Research Grants</strong></td>
<td><strong>SF424 (R&amp;R)</strong></td>
<td>July 5</td>
</tr>
<tr>
<td>U01 renewal, resubmission, revision</td>
<td><strong>Research Grants - Cooperative Agreements</strong></td>
<td><strong>SF424 (R&amp;R)</strong></td>
<td>July 5</td>
</tr>
<tr>
<td>UM1 renewal, resubmission, revision</td>
<td><strong>Research Grants - Multi-Component Cooperative Agreements</strong></td>
<td><strong>PHS 398</strong></td>
<td>July 5</td>
</tr>
<tr>
<td>K series renewal, resubmission, revision</td>
<td><strong>Research Career Development</strong></td>
<td><strong>SF424 (R&amp;R)</strong></td>
<td>July 12</td>
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<tr>
<td>R03, R21, R33, R21/R33, R34, R36 renewal, resubmission, revision</td>
<td><strong>Other Research Grants</strong></td>
<td><strong>SF424 (R&amp;R)</strong></td>
<td>July 16</td>
</tr>
<tr>
<td>R41, R42, R43, R44, U43, U44 All - new, renewal, resubmission, revision</td>
<td><strong>Small Business Technology Transfer (STTR)</strong> Small Business Innovation Research (SBIR)</td>
<td><strong>SF424 (R&amp;R)</strong></td>
<td>August 5</td>
</tr>
<tr>
<td>F Series Fellowships new, renewal, resubmission</td>
<td><strong>Individual National Research Service Awards (Standard)</strong> (see <a href="#">NRSA Training Page</a>)</td>
<td><strong>SF424 (R&amp;R)</strong></td>
<td>August 8</td>
</tr>
<tr>
<td>R13, U13 All - new, renewal, resubmission, revision</td>
<td><strong>Conference Grants and Conference Cooperative Agreements</strong></td>
<td><strong>SF424 (R&amp;R)</strong></td>
<td>August 12</td>
</tr>
<tr>
<td>F31 Diversity Fellowships new, renewal, resubmission</td>
<td><strong>Individual Predoctoral Fellowships (F31) to Promote Diversity in Health-Related Research</strong> (see <a href="#">NRSA Training Page</a>)</td>
<td><strong>SF424 (R&amp;R)</strong></td>
<td>August 13</td>
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NIH Public Access Policy Compliance

This is to inform you that starting April 2013, NIH will DELAY processing non-competing continuation grant awards if publications arising from that award are not in compliance with the Public Access Policy (see http://grants.nih.gov/grants/guide/notice-files/not-od-12-160.html). The NIH Public Access Policy (http://publicaccess.nih.gov/) requires publications resulting from NIH funding be submitted to PubMed Central. Please note that publishing in an open access journal does not fully meet the requirements of the NIH Public Access Policy.

If you need assistance understanding the requirements or with the submission process, an online guide is available at http://guides.uflib.ufl.edu/nih. For personalized assistance, please contact your liaison librarian:

- for the Health Sciences Center Library, see: http://library.health.ufl.edu/services/liaisons.html
- for the Jacksonville Borland Library see: http://www.library.health.ufl.edu/borland/YourPersonalLibrarian.html
- for the Marston Science Library see: http://www.uflib.ufl.edu/msl/about/faculty.html

Funding Opportunity:

The Helen Hay Whitney Foundation supports early postdoctoral research training in all basic biomedical sciences.

To attain its ultimate goal of increasing the number of imaginative, well-trained and dedicated medical scientists, the Foundation grants financial support of sufficient duration to help further the careers of young men and women engaged in biological or medical research. The Foundation accepts applications from candidates who have no more than one year of postdoctoral research experience at the time of the deadline for submitting the application (July 16, 2014), and who have received a PhD (or D.Phil. or equivalent) degree no more than two years before the deadline, or an M.D. degree no more than three years before the deadline.

The Whitney Fellowship is for a period of three years, with an award each year ranging from $50,500 - $52,500. Twenty-one awards are made every year.

Applications are due July 16, 5 PM EST.

For more information visit: http://www.hhwf.org/HTMLSrc/ResearchFellowships.html