

News for the School of Dental Medicine Research Community

March 2013

Distributed via email on March 7, 2013

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Any questions or comments about the information contained in this newsletter can be directed to dentres@case.edu.

Sequestration and Your Federal Research Funding

As we are all very aware of right now, sequestration went into effect on March 1. Under the Budget Control Act of 2011, approximately \$85 billion in cuts will be implemented across Federal agencies for the remainder of the fiscal year. Though the largest funder of the research being done in the SODM, the DHHS, has not issued any specifics as to how the rest of the fiscal year will proceed under sequestration, an NIH policy notice issued on February 21 stated that under sequestration, FY13 funding levels will likely be reduced for continuation awards and fewer competing awards will be made. <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-13-043.html>. We are awaiting guidance from individual institutes to determine the actual impact to our research.

However, one thing that has been heard consistently is that the Office of Management and Budget (OMB) will be looking closely at award-related expenditures at universities. If current awarded funds are not spent in a timely manner, they are at risk of being de-obligated.

Researcher Profiles

We are continuing to update our online researcher profiles. Please take the time to fill in the new form so it can be posted on the website. If you need a copy of the form, please send an email to dentres@case.edu.

Bonus! If you complete the profile and include keywords, we can forward any related funding opportunities directly to you. Help us help you get funded!

Educational Opportunities

CAPS Classes – Check out the latest CAPS classes!

<http://www.case.edu/its/training/capsregistration.html>

Upcoming classes

- Sponsored Projects – Proposal to Award – March 21, 1:00-2:00pm
- Financial Journals (General Ledger) – March 26, 9:30am-11:30pm
- Purchasing from A to Z (classroom) – April 3, 1:00-4:15pm
- Running & Interpreting Financial Reports and Reconciling – April 8, 2:30-4:00pm
- Purchasing from A to Z (online) – Anytime online!

Research Administration Seminar Series

Check out <http://ora.ra.cwru.edu/research/orc/education/onlinecalendar.cfm> to see the latest offerings from CWRU and UH on various research topics. Upcoming sessions include:

- Enhancing Participant Safety through Event Reporting – March 11
- Informed Consent – Writing the Document – March 12
- UH Clinical Research SOP Training – March 14
- Your UH IRB Submission - Get It Done! – March 15
- Research Billing Compliance: How to do it and Why it's important – March 22
- Submitting a Continuing Review Application to the UH IRB – March 28
- UH Clinical Research Policies – April 18

All About Grants Podcasts from the NIH

The Office of Extramural Research (OER) presents conversations with NIH staffers. Designed for investigators, fellows, students, research administrators, and others, the podcasts provide insights on a variety of topics. The podcasts are in mp3 and updated every other week on the NIH OER site:

http://grants.nih.gov/podcasts/All_About_Grants/index.htm

New in January and February

- Understanding the NIH Public Access Policy
- Using MyNCBI to Manage NIH Public Access Policy Compliance
- Using the Public Access Compliance Monitoring Tool

List of Funding Opportunities

The Office of Finance and Operations has created a running list of funding opportunities that may be of interest to the community. This running list will be sent out with this email monthly, with the newest additions highlighted in yellow. It follows this newsletter.

Funding Opportunities of Interest

Listed by application deadline date

Last Sent Out via Email: March 7, 2013

Updates since last email are highlighted in yellow

While every effort is made to ensure the correctness of deadline dates shown.

This announcement represents the continuation of an AHRQ program that provides support to individuals who are conducting research undertaken as part of an accredited academic program to qualify for a research doctorate degree. Applications for dissertation research grants must be responsive to AHRQ's mission, which is to improve the quality, safety, efficiency, and effectiveness of health care for all Americans.

research-tested health behavior change interventions, evidence-based prevention, early detection, diagnostic, treatment and management, and quality of life improvement services, and data monitoring and surveillance reporting tools into public health and clinical practice settings that focus on patient outcomes.

June 5, 2013 (and subsequent R01 dates through 9/8/2014) – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-11-317.html>

Building a Genetic and Genomic Knowledge Base in Dental, Oral, and Craniofacial Diseases and Disorders – R01

To encourage research into dental, oral, and craniofacial diseases and disorders for which there is evidence for genetic heritability but for which we do not have a strong understanding of the genetics/genomics of the disease or disorder. Applicable areas of investigation include identification of promising areas of the genome, and characterization and elucidation of the function(s) and 0 Te(t)-12(e)4(r)3(i)-2(

questions that are yet to be answered, then an intervention of limited scale would be appropriate. Before the large, rigorous and well-designed studies that are required to address these questions can be implemented, important early-phase research and development must be completed. In order to elucidate the optimal research strategy, a number of steps are necessary, such as characterization of the intervention, determination of suitable outcome measures, and identification of the optimum population and randomization approach. Applicants must provide a clear and compelling rationale for pursuing study and development of the intervention, as well as for other critical aspects of the research design (e.g., dose or schedule, choice of endpoints of interest, etc). Applications that leverage existing research infrastructures, for example through follow-ups or use of relevant existing data sets or ancillary studies to existing large-scale studies, are also encouraged.

June 16, 2013 (and subsequent R03 dates through September 8, 2014) – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PAR-11-315.html>

Systems Science and Health in the Behavioral and Social Sciences – R21

NIDCR supports research that examines community characteristics, the organization of health care systems, and the social contexts that contribute to oral health. Many of the opportunities for improving oral health lie in achieving behavioral, lifestyle and social changes—objectives that are shared with many other scientific areas. Drawing from the expertise of diverse fields within the social and behavioral sciences presents an important opportunity to develop models and approaches that will produce meaningful improvements in oral health. This approach dovetails with the view of oral health as an essential component of general health as cited in the 2000 Surgeon General's report on oral health in America (

Biomarkers of Infection-Associated Cancers

R21 Funding Mechanism: Funding for research that proposes to identify biomarkers for cancers where the etiology of the disease is attributed to infectious agents.

June 16, 2013 (and subsequent R21 dates through May 8, 2014) – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-11-149.html>

Nanoscience and Nanotechnology in Biology and Medicine

R21 Funding Mechanism: The NIDCR is interested in research projects that focus on nanoscience and nanotechnology approached such as, but not limited to:

- Understand, control, and manipulate cellular process of orofacial structures (e.g. tooth, salivary glands, bone, muscles);
- Develop new materials with novel properties for the repair of tooth decay and periodontal disease;
- Develop new technologies for the study and the prevention of oral biofilm formation.

June 16, 2013 (and subsequent R21 dates through May 8, 2014) – Sponsor: NIH

R03 Announcement: <http://grants.nih.gov/grants/guide/pa-files/PA-11-181.html>

R21 Announcement: <http://grants.nih.gov/grants/guide/pa-files/PA-11-182.html>

Research on Ethical Issues in Biomedical, Social, and Behavioral Research

Designed to analyze and address ethical challenges and issues related to the conduct and output of research within the NIH mission. The results of should enhance the ethical conduct and social value of research, optimize the protection of human research participants, ensure research burdens and benefits are equitably distributed across populations, and contribute to policy development regarding the implementation and oversight of new research discoveries and methods. FOA lists specific interests of each participating institute

October 12, 2013 – Sponsor: NIH-NIDCR

<http://grants.nih.gov/grants/guide/pa-files/PAR-11-289.html>

NIDCR Institutional Career Development Award for Enhancing Research Capacity in Temporomandibular Joint Disorders and Orofacial Pain (K12)

<http://www.aapd.org/foundation/default.asp>

HSHC Continues Grant Initiative offers three programs:

- Investing in Access to Care: <http://www.aapd.org/foundation/accesstocare.asp>
- Investing in Research: <http://www.aapd.org/foundation/research.asp>
- Investing in the Future Fellowship: <http://www.aapd.org/foundation/thefuture.asp>

August 18, 2011 – Sponsor: American Association of Endodontists

http://www.aae.org/foundation/grants_awards/fdnresearchgrant/

Supports research and the genesis of new knowledge in endodontics. To make the best use of funds, the AAE has identified research priorities that can be found on their website. Proposals with budgets over \$25,000 must directly address a priority.

August 25, 2011 – Letter of Intent (application due September 25, 2011) – Sponsor: NIH-NIDCR

**Program also available with same due dates in 2012

<http://grants.nih.gov/grants/guide/pa-files/par-10-170.html>

Institutional Training for a Dental and Craniofacial Research Workforce (T90/R90)

The goal of this training initiative is to encourage innovative and novel approaches to providing research training opportunities for individuals interested in pursuing independent research careers in dental, oral, and craniofacial research. The awards are to support predoctoral and postdoctoral trainees, and to provide them with a robust curriculum of study and research experiences that will facilitate development toward independent research careers.

Requires a combination training program in two components:

- T90 – an institutional NRSA predoctoral and/or postdoctoral training program;
- R90 – a non-NRSA institutional postdoctoral research program for non-citizen dentists.

August 25, 2011 – Letter of Intent (application due September 25, 2011) – Sponsor: NIH-NIDCR

**Program also available with same due dates in 2012

<http://grants.nih.gov/grants/guide/pa-files/par-10-171.html>

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Training for a Dental and Craniofacial Research Workforce (T32)

The goal of this training initiative is to encourage innovative and novel approaches to providing research training opportunities for individuals interested in pursuing independent research careers in dental, oral, and craniofacial research. The awards issued under this program are to support predoctoral and postdoctoral trainees, and to provide them with a robust curriculum of study and research experiences that will facilitate development toward independent research careers.

Should be used if no postdoctoral training to dentists who do not meet NRSA eligibility requirements is being proposed.

August 31, 2011 (white paper deadline) – Sponsor: Department of Defense – Air Force

<http://www07.grants.gov/search/announce.do;jsessionid=n91DT2rDBpXdkKvNYcndsQNCW7nm7vfw8gdC92Yghv4CGLsypxxw!-1346687983>

**If this link does not work, search www.grants.gov for funding opportunity number BAA-11-03-HPW

This Broad Agency Announcement requests white papers for the following five areas identified by the agency:

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AHRQ encourages grant applications that propose research that focuses on minority women in health services research designed to:

- Improve clinical practice;
- Improve the health care system's ability to provide access to and deliver high quality, high-value health care;
- Provide policymakers with the ability to assess the impact of system changes on outcomes, quality, access to, cost, and use of health care services

September 30, 2011 (continuous submission, close date is 9/30/11) – Sponsor: DOD-USAMRMC

http://www.usamraa.army.mil/pages/baa_forms/index.cfm

Broad Agency Announcement W81XWH-BAA-11-1

Combat Casualty Care Research Program

- Section II.A.2.(4): The CCCRP supports additional aspects of casualty care. These include drugs, devices, or novel surgical techniques to decontaminate, debride, protect, and stabilize hard and soft tissue wounds to mitigate secondary tissue damage; medical techniques and materiel to replace or regenerate lost tissues; and the prevention and treatment of dental injury or disease in austere environments.

Clinical and Rehabilitative Medicine Research Program

- **Regenerative Medicine and Composite Tissue Engineering**

Section II.A.4.e: Regenerative medicine involves the use of innovative technologies such as scaffolds and tissue engineering, growth factors, and stem cell treatments to treat Warfighters who have suffered blast injuries, burns, lost limbs, or other tissue injuries.

October 1, 2011 –

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ROI funding mechanism, the overall goal is to stimulate preclinical and clinical research that will accelerate understanding of biological and behavioral determinants driving the transition from acute pain to chronic pain disorders. Understanding the mechanisms and risk factors that determine who will transition to a chronic pain state is necessary in order to intervene and design new, effective treatments to resolve acute pain before it becomes chronic. The objectives are to:

- *assemble teams with expertise in basic and clinical pain research and related expertise outside the pain field that will provide novel, collaborative, multidisciplinary approaches to answer crucial questions about the transition from acute to chronic pain;*(hr)hu(or)8(e)3naCcs 08403

<http://www.iadr.com/i4a/pages/index.cfm?pageid=3422>

IADR/Colgate Research in Prevention Travel Award

Program is for young investigators who have submitted an abstract which has a preventive component for a travel award to supp

January 15, 2013 – Sponsor: CWRU CTSC
<http://casemed.case.edu/ctsc/funding/pilot.cfm>
CTSC Annual Pilot Funding

The CTSC Annual Pilot Program is for researchers to conduct innovative translational research projects focused on the invention, preclinical development and/or first in man studies of novel therapeutic agents, biomedical devices, and diagnostics designed to address unmet clinical needs. Funding is intended to facilitate development of enabling technologies; new therapeutic, diagnostic or outcomes assessment approaches and/or device; novel cross-disciplinary collaborative programs; and promote research in the community.

January 15, 2013 – Sponsor: NIH
<http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-14-001.html>
Dynamics of Host-Associated Microbial Communities – R01

This announcement solicits applications that propose genetic, physiological, and ecological studies designed to reveal the basic principles and mechanisms that govern the symbiotic systems dynamics of host-associated microbial communities. It will support research on fundamental principles and mechanisms that govern the symbiotic systems dynamics of host-associated microbial communities (where community is defined as two or more phenotypically distinct populations of microbe). NIGMS recognizes that most of these questions are complex in nature, and applicants are encouraged to utilize interdisciplinary approaches, including bioinformatic/computational/modeling, and/or experimental manipulations to the study of host-associated microbial community ecology. This FOA will not support: a) narrowly focused mechanistic studies; b) descriptive studies that are designed solely to carry out metagenomic sequencing or surveys of microbial diversity; c) studies that have a major focus on a specific disease or host-pathogen dynamics (as opposed to basic principles of the symbiotic systems dynamics of host-microbe community); and d) studies that are likely to yield only incremental information.

January 30, 2013 – Sponsor: NIH
<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-12-018.html>
NIH Director's Early Independence Award

The NIH Director's Early Independence Award Program supports exceptional investigators who wish to pursue independent research directly after completion of their terminal doctoral/research degree or clinical residency, thereby forgoing the traditional post-doctoral training period.

February 1, 2013 – Sponsor: PhRMA Foundation
<http://phrmafoundation.org/download/Health%20Outcomes%202013.pdf>
http://phrmafoundation.org/index.php?option=com_content&view=article&id=93&Itemid=2
2013 Awards in Health Outcomes

Outcomes research spans a broad spectrum of issues from studies evaluating the effectiveness of a particular pharmaceutical intervention to the impact of reimbursement policies on the outcomes of care. It also ranges from the development and use of tools to perform patient-based assessments to analyses of the best way to disseminate the results of outcomes research to providers or consumers to encourage behavior change.

February 4, 2013 – Sponsor: CWRU CTSC
<http://cfar.case.edu/developmentalservices.htm>
CFAR Developmental Core Award

The CFAR **Developmental Core Award** opportunity is available once a year to help provide funding for the developmental projects that foster further development of AIDS research at Case Western Reserve University/University Hospitals and enhance interactions between basic and clinical scientists, in addition to providing support for innovative technological developments as they relate to programs of AIDS research. Applicants should be full-time faculty of CWRU or affiliated Universities and hospitals such as University Hospitals, Cleveland Clinic, Veterans Administration and MetroHealth Medical Center and have an M.D., Ph.D., or equivalent degree. Applicants should hold a full membership with CFAR. There are no citizenship requirements, and applications from minorities are encouraged. All Full members of CFAR are eligible to apply. Applicants who are not members of the CFAR must submit a [CFAR membership application](#).

February 21, 2013 – Sponsor: NIH
<http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-13-002.html> (R01 announcement)
<http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-13-003.html> (R21 announcement)
Epigenomics of Virus-Associated Oral Disease

The purpose of this FOA is to invite grant applications that seek to determine the epigenetic mechanisms of virus-associated oral diseases in order to guide the discovery and application of novel epigenomic-based clinical interventions. Specifically, studies supported through this FOA are expected to demonstrate how epigenomic modifications in the host and in oral viruses cause pathophysiological changes in oral cells and tissues that result in oral diseases and that may include systemic disease manifestations.