



News for the School of Dental Medicine Research Community October 2012

Distributed via email on October 2, 2012

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

Meet with the VP for Research and Technology Management

Please join us on Tuesday, October 16 at 3pm in Room NOA 31A for a meeting with Dr. Bob Miller, VP for Research and Technology Management, Dr. Sue Rivera, Associate VP for Research, and Dr. Joe Jankowski, Associate VP for Technology Management. The current state and future plans of research at Case will be discussed with ample time for your questions or comments.

Please RSVP to dentres@case.edu. Light refreshments will be served.

Updated NIH Grants Policy Manual Released

The NIH has announced the release of an updated GPS for all awards with a budget period start date on or after October 1, 2012. The update includes recent changes in regulations regarding financial conflict of interest and the reduced salary cap, among others. The new GPS and a link to a summary of the changes can be found at http://grants.nih.gov/grants/policy/nihgps_2012/index.htm.

Limited Submission Opportunities

NSF Major Instrumentation Grant – The Major Research Instrumentation Program (MRI) serves to increase access to shared scientific and engineering instruments for research and research training. Development and acquisition of research instrumentation for shared inter- and/or intra-organizational use are encouraged, as are development efforts that leverage the strengths of private sector partners to build instrument development capacity at academic institutions.

For more details, please visit the NSF site: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5260.

The internal deadline is **October 15, 2012**. From those proposals, the University will select the 3 proposals that will be submitted to the NSF. Full proposals are due to the NSF on January 24, 2013. Details about the internal submission process can be found at <http://ora.ra.cwru.edu/ospa/funding/nsfInstrumentation.cfm>.

NIH Director's Early Independence Award – The NIH Director's Early Independence Awards provide an opportunity for exceptional junior scientists, who have already established a record of innovation and research productivity, to have an accelerated entry into an independent research career. It is also an opportunity for research intensive institutions to invigorate their research departments by recruiting outstanding, early career scientists. Exceptional graduate students or clinicians nearing the completion of their PhD (or equivalent) or for clinicians (MD or equivalent) the end of their medical residency may contact appropriate Institutional scientific leaders to seek an appointment as an independent research scientist.

For more details, please visit the program announcement site: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-12-018.html>.

The internal deadline is **November 26, 2012**. From those applicants, the University will select 2 candidates for full submission to the NIH. Details about the internal submission process can be found at <http://ora.ra.cwru.edu/ospa/funding/NIHearlyindependence.cfm>.

NIH Webinar: Research Performance Progress Report Overview

Are you familiar with the new NIH Research Performance Progress Report (RPPR)? The RPPR is a Federal-wide initiative to standardize reporting by creating a uniform format for all interim reporting of research and research-related activities. As of October 19, all grantee institutions will have access to the new NIH RPPR for most Streamlined Non-competing Award Process (SNAP) and fellowship awards. NIH expects to require the new RPPR format for all grantees with SNAP and fellowship awards in the spring of 2013. See the RPPR website for a list of program codes impacted in October, <http://grants.nih.gov/grants/rppr/index.htm>.

To register for the webinar, please visit <https://www3.gotomeeting.com/register/647997446>. Space is limited to the first 1,000 registrants. The webinar will be posted online after the event.

IRB Seminar: Critical Issues in Confidentiality and Privacy

Join members of the University community for a discussion regarding privacy and confidentiality. This session will help you to gain a clear understanding of the differences between them and how to best address concerns about each. During this session learn from Dr. Sana Loue, JD, PhD, MPH, MSSA, Professor and Director, Center for Minority Public Health, CWRU, the fundamentals about the certificate of confidentiality, when to consider its use, and the basic steps to obtain one for your research. Ample time will be allowed for your questions. Following this, CWRU Research Compliance Officer Kim Volarcik will lead a discussion of case studies and, using our new audience participation technology, attendees will have the opportunity to decide how to handle each situation and contribute to the discussion. Topics of the case studies may include data use agreements, research using data repositories and coding data. Have a specific case study you would like to hear discussed? Email Tracy Wilson-Holden or Deb Marko (tjw18@case.edu, deborah.marko@uhhospitals.org), and we will include it in the discussion!

The session will be held on November 2, 2012 at 2:00pm in Wolstein 1413. CREC credits are available. Register at <http://ora.ra.cwru.edu/research/orc/education/onlinecalendar.cfm>.

Tip of the Month: Major Purchases on Federal Grants

Recently, federal auditors were on campus and looked at cases in which equipment costing more than \$25,000 purchasing using federal dollars to ensure the proper procedures were followed. To help protect yourself from a negative audit, it is important to remember the following when purchasing major equipment:

- Equipment costing more than \$25,000 must be approved by the sponsor. If the equipment is not specifically detailed in the original budget justification, then written prior approval must be obtained from the sponsor.
- There should be no deviation from the specifics of the equipment (type of equipment, purpose, etc.) once approval is obtained. Major changes need to be pre-approved.
- Internal procurement procedures must be followed, including required bids and quotes from vendors. Full details can be found here <http://www.case.edu/bizpolicies/procure/procurement033010.pdf>.

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
 - All Things Travel – October 18, 1:30-4:00pm
 - Running and Interpreting Financial Reports and Reconciling – October 22, 2:30-4:00pm
 - Effective Interpersonal Communication – October 30, 1:30-4:00pm
 - 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:

- The Informed Consent Process: Workshop – October 3, December 20
- Update on Revised Individual and Institutional COIs – October 4
- Critical Issues in Confidentiality and Privacy – November 2
- Research Regulatory Documents and Other Essential Documents – November 16
- UH Clinical Research Policies – December 5
- UH Clinical Research Training – SOPs – December 6
- Clinical Research Forum – December 19

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

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: October 2, 2012

Updates since last email are highlighted in yellow

*While every effort is made to ensure the correctness of deadline dates shown,
please consult the program website to confirm application due dates.*

October 7, 2012 – Sponsor: NIH

<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-12-015.html>

2013 NIH Director's Pioneer Award Program

- The NIH Director's Pioneer Award program complements NIH's traditional, investigator-initiated grant programs by supporting individual scientists of exceptional creativity who propose pioneering and possibly transforming approaches to addressing major biomedical or behavioral challenges that have the potential to produce an unusually high impact on a broad area of biomedical or behavioral research. To be considered pioneering, the proposed research must reflect substantially different scientific directions from those already being pursued in the investigator's laboratory or elsewhere.

October 12, 2012 (also October 12, 2013) – Sponsor: NIH-NIDCR

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

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

- The purpose of this FOA is to expand and strengthen the community of investigators engaged in research on temporomandibular joint disorders (TMJDs) and orofacial pain. The objectives of this FOA are to:
 - increase the number of basic and clinical investigators who are trained in the sciences relevant to TMJD or orofacial pain research;
 - facilitate and improve the mentoring of this new group of scientists;
 - bring new scientific expertise to TMJD and orofacial pain research.

The expected outcomes of this Initiative will be:

- an increase in the number of TMJD/orofacial pain research leaders who will apply for and obtain independent funding support and
- an increased number of multidisciplinary research teams led by junior investigators or, investigators new to the TMJD and orofacial pain fields.

October 12, 2012 (and subsequent standard K-award due dates) – Sponsor – NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-11-197.html>

NIH Pathway to Independence Award (K99/R00)

- The purpose of the program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators. It is designed to facilitate a timely transition from a mentored postdoctoral research position to a stable independent research position with independent NIH or other independent support at an earlier stage than is currently the norm.

October 16, 2012 (and subsequent R03 due dates) – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-12-120.html>

NIDCR Small Research Grants for Oral Health Data Analysis and Statistical Methodology Development (R03)

- The goal of this funding opportunity announcement is to support meritorious research projects that involve secondary data analyses of existing oral or craniofacial database resources, or to develop needed statistical methodology for analyzing oral and craniofacial data using existing oral or craniofacial databases.

October 16, 2012 (and subsequent R34 due dates) – Sponsor – NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-11-338.html>

NIDCR Clinical Trial or Biomarker Clinical Evaluation Study Planning Grant

- The NIDCR will support clinical trial or biomarker clinical evaluation study planning grants (R34) for comprehensive planning, design and documentation of investigator-initiated Phase I, II, III, or IV

interventional clinical trials, or biomarker clinical evaluation studies that involve prospective collection of specimens and clinical outcomes. Interventional behavioral studies, sometimes referred to as Stage I, II, III or IV studies, are included. The goal of the R34 grant program is to give investigators the time and funds necessary to complete detailed clinical trial or study planning and written supporting documentation prior to U01 funding and full implementation of a clinical trial or study. The R34 grant will provide up to one year of support. R34 awardees who complete their planning activities and have compelling justification to proceed to a clinical trial or biomarker clinical evaluation study can submit a cooperative agreement application (U01) for clinical trial implementation or biomarker clinical evaluation study (details are presented in [PAR-11-339](#)). If the investigators conclude that a clinical trial or biomarker clinical evaluation study is not warranted, the reasons for not proceeding with the U01 implementation application must be documented in the final progress report to the NIDCR that summarizes the R34 award activity.

October 16, 2012 (and subsequent R03 and R21 dates) – Sponsor – NIH

R03 - <http://grants.nih.gov/grants/guide/pa-files/PA-11-328.html>

R21 - <http://grants.nih.gov/grants/guide/pa-files/PA-11-329.html>

Healthy Habits: Timing for Developing Sustainable Healthy Behaviors in Children and Adolescents

- Encourages applications targeting basic or applied research, depending on the state of the science. Where there is evidence of the value of an approach to developing healthy sustainable behavior, but there are key 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.

October 16, 2012 (and subsequent R03 dates) – 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 (<http://www.surgeongeneral.gov/library/oralhealth/>). The NIDCR supports systems science projects that explain the determinants of and/or methodologies to improve oral, dental and craniofacial health. Please note the NIDCR will not accept any clinical intervention studies submitted through this FOA.

October 16, 2012 (and subsequent R03 dates) – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PAR-10-275.html>

NIDCR Small Grant Program for New Investigators (R03)

- Grant Program for New Investigators supports basic and clinical research of scientists who are in the early stages of establishing an independent research career in oral, dental, and craniofacial research. This R03 grant mechanism supports pilot or feasibility studies and developmental research projects with the intention of obtaining sufficient preliminary data for a subsequent Investigator-initiated Research Project Grant (R01) application.

October 16, 2012 (and subsequent R21 due dates) – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PAR-11-083.html>

Pathophysiology and Clinical Studies of Osteonecrosis of the Jaw

- R21 Funding Mechanism. See Part 2 Section 1. Scope for examples of research fitting this topic of inquiry

October 16, 2012 (and subsequent R21 dates) – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-11-217.html>

Mechanistic Studies of HIV-exposed Seronegative Individuals (HESN)

- R21 funding mechanism. The purpose of this initiative is to support mechanistic studies of individuals who are repeatedly exposed to HIV but remain seronegative (HESN), or demonstrate resistance to infection. The emphasis will be on demonstrating causality, and not simply association.

October 16, 2012 (and subsequent R21 dates) – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-11-105.html>

Reducing Health Disparities Among Minority and Underserved Children

- R21 funding mechanism. Designed to stimulate research that targets the reduction of health disparities among children. "Health disparities" applies to children who have limited access to resources and privileges that impact their health. Focuses on ethnic and racial minority children and populations of underserved children.

October 16, 2012 (and subsequent R21 dates) – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-11-159.html>

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.

October 16, 2012 (and subsequent R21 dates) – 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.

October 16, 2012 (and subsequent R21 dates) – 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 14, 2012 – Sponsor: NIH

<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-12-016.html>

2013 NIH Director's New Innovator Award Program

- The NIH Director's New Innovator (DP2) Award program was created in 2007 to support a small number of early stage investigators of exceptional creativity who propose bold and highly innovative new research approaches that have the potential to produce a major impact on broad, important problems in biomedical and behavioral research. The New Innovator Awards complement ongoing efforts by NIH and its Institutes and Centers to fund early stage investigators through R01 grants, which continue to be the major sources of NIH support for early stage investigators.

October 22, 2012 – Sponsor: Case CTSC (via NIH)

<http://casemed.case.edu/ctsc/education/kl2/>

Clinical and Translational Science Collaborative KL2 Clinical Research Scholars Program

- The award is intended for individuals at a relatively early stage of training (e.g. just after the PhD degree, during, or immediately following a clinical fellowship, or within the first year or two of an initial faculty appointment). The award is intended to stimulate development of multidisciplinary research, therefore competitive applications must explain how the applicant's research development will benefit from a multidisciplinary approach.
- Applicants must be US citizens, non-citizen nationals, or lawfully admitted for permanent residence; and able to commit 50 - 75% of full-time professional effort to this Career Development Program and its related research activities.
- Successful candidates will receive a Case Western Reserve University appointment, with salary and benefits commensurate with prior experience and qualifications, research stipend, tuition benefits and access to a multidisciplinary pool of highly qualified mentors who will guide their research projects.

November 1, 2012 – Sponsor – AHRQ

<http://grants.nih.gov/grants/guide/pa-files/PA-12-256.html>

AHRQ Grant for Health Services Dissertation Program (R36)

- 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. Agency research addresses issues of organization, delivery, financing, utilization, patient and provider behavior, outcomes, effectiveness and cost. It evaluates both clinical services and the system in which these services are provided. These scientific results improve the evidence base to enable better decisions about health care, including such areas as disease prevention, appropriate use of medical technologies, improving diagnosis and treatment in cost-effective ways, long-term care, and reducing racial and ethnic disparities.
- Additional deadlines are annually February 1, May 1, August 1, and November 1 through August 2, 2015.

December 1, 2012 – Sponsor - Osteology Foundation

<http://www.osteology.org/nc/granting.html>

- Financial support of scientific projects in the field of hard and soft tissue regeneration in oral and maxillofacial surgery. In general, grants will be limited to 50,000 Swiss Francs per year for a maximum of two years.

December 7, 2012 – Sponsor: IADR/Academy of Osseointegration

<http://www.iadr.org/i4a/pages/index.cfm?pageid=3920>

Innovation in Implant Sciences Award

- Academy of Osseointegration recognizes the need for investigators to produce implant research that can be applied in clinical practice and be used to maintain and improve oral health and quality of life. The Award is intended to help investigators pursue innovative and novel research in oral care that involves, but is not limited to, dental implant therapy. Award up to \$75,000.

December 7, 2012 – Sponsor: IADR/Colgate Palmolive Company

<http://www.iadr.org/i4a/pages/index.cfm?pageid=3905>

Community-Based Research for Caries Prevention

- Awards of up to \$75,000 will be provided annually to recipients to advance research in the field of cariology to promote oral health improvement globally, with a focus on community-based research for the prevention and management of caries.

December 7, 2012 – Sponsor: IADR/GlaxoSmithKline

http://www.iadr.com/i4a/pages/index.cfm?pageid=3426#_UGr471IweXU

Innovation in Oral Care Awards

- Awards up to \$75,000 to advance oral care programs directed toward the development of innovative and novel compounds, biomaterials, or devices that can be used at the public health level. Examples of areas of interest could include, but are not limited to:
 - Inhibition or removal of biofilms adhering to natural or artificial surfaces;
 - Modification of those surfaces to inhibit biofilms and other deposits, stains, or odors;
 - Adhesives for removable prosthetic devices;

- Inhibition of tooth surface loss and gingival recession and amelioration of their effects;
- Counteracting the oral effects of dry mouth, systemic illness, hormonal disturbances, or physiological aging.

December 8, 2012 (and future F-series due dates through Dec. 2015) – Sponsor – AHRQ

<http://grants.nih.gov/grants/guide/pa-files/PA-12-261.html>

AHRQ Individual Awards for Postdoctoral Fellows (F32 – NRSA)

- The purpose of this individual postdoctoral research training fellowship is to provide support to promising fellows with the potential to become productive, independent investigators in health services research, with a research interest in areas and priorities relevant to the mission of AHRQ.

December 31, 2012 (anticipated) – Sponsor: Osseointegration Foundation

<http://www.osseo.org/resources/grants.htm>

Two annual awards (one clinical and one basic science) of up to \$25,000 over 12 months for research in the basic, clinical, and behavioral science aspects of dental implants. Applications that address areas of research to enhance the public acceptance of implants are welcome.

January 7, 2012 (and subsequent HIV/AIDS R01 due dates through 9/8/2014) – Sponsor – NIH

R01 Mechanism: <http://grants.nih.gov/grants/guide/pa-files/PA-11-334.html>

R21 Mechanism: <http://grants.nih.gov/grants/guide/pa-files/PA-11-333.html>

Immunopathogenesis of HIV/AIDS-related Oral Manifestations and Host Immunity

- Funding for research projects that propose research on:
 - i) immunopathogenic events that occur early in HIV infection, oral co-infections and AIDS-related oral opportunistic infections;
 - ii) pathogen (viruses, bacteria, fungi) interactions in the oral cavity that induce lesions and exacerbate disease;
 - iii) oral host immune responses (i.e., oral innate, mucosal and adaptive immunity linked to systemic immunity) to HIV infection, oral co-infections (viruses, bacteria, fungi) and oral opportunistic pathogen (viruses, bacteria, fungi) infections that lessen the pathogenic effects of infection, induce remission of oral lesions and diseases, or that occur in the midst of oral therapies and antiretroviral therapies; and
 - iv) development and efficacy testing of novel treatments against oral pathogens and the induced immune responses generated.
- The goal is to generate knowledge to guide translational research focused on the development of novel, oral mucosal prophylactic HIV vaccines as well as therapeutic approaches against HIV, oral co-infections and oral opportunistic infections.

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.

January 30, 2013 (and May 30, 2013) – Sponsor – NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-12-159.html>

Administrative Supplements for Collaborative Science

- The NIDCR announces the availability of funds for Administrative Supplements to NIDCR-funded research projects. These funds are intended to enhance ongoing research by enabling NIDCR-funded researchers to form new collaborations that were not anticipated at the time of submission, review and funding of the NIDCR parent grant. These collaborative activities must be within the scope of the approved aims of the parent award and are expected to provide novel scientific approaches to the research plan for the NIDCR grantee and collaborators. Collaborations that bring together ideas, theories, methods and approaches from disparate scientific disciplines are particularly encouraged, as are those involving individuals from groups that are currently underrepresented in the biomedical and biobehavioral sciences.

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 5, 2012 (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) of genetic variants that affect disease risk in humans. The ultimate goal of these studies will be to drive development of effective diagnostic, therapeutic, and preventive approaches.

February 5, 2012 (and subsequent R01 through 9/8/2014) – Sponsor – NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-11-327.html>

Healthy Habits: Timing for Developing Sustainable Healthy Behaviors in Children and Adolescents

- Encourages applications targeting basic or applied research, depending on the state of the science. Where there is evidence of the value of an approach to developing healthy sustainable behavior, but there are key 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

February 5, 2012 (and subsequent R01 dates through 9/8/2014) – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-11-314.html>

Systems Science and Health in the Behavioral and Social Sciences – R01

- 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 (<http://www.surgeongeneral.gov/library/oralhealth/>). The NIDCR supports systems science projects that explain the determinants of and/or methodologies to improve oral, dental and craniofacial health. Please note the NIDCR will not accept any clinical intervention studies submitted through this FOA

February 5, 2012 (and subsequent R01 dates through 1/8/2014) – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-11-082.html>

Pathophysiology and Clinical Studies of Osteonecrosis of the Jaw

- R01 funding mechanism. See Part 2 Section 1. Scope for examples of research fitting this topic of inquiry.

February 5, 2012 (and subsequent R01 dates through 1/8/2014) – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-11-104.html>

Reducing Health Disparities Among Minority and Underserved Children

- R01 funding mechanism. Designed to stimulate research that targets the reduction of health disparities among children. "Health disparities" applies to children who have limited access to resources and privileges that impact their health. Focuses on ethnic and racial minority children and populations of underserved children.

February 5, 2012 (and subsequent R01 dates through 5/8/2014) – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-11-158.html>

Biomarkers of Infection-Associated Cancers

- R01 Funding Mechanism: Funding for research that proposes to identify biomarkers for cancers where the etiology of the disease is attributed to infectious agents.

February 5, 2012 (and subsequent R01 dates through 5/8/2014) – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-11-148.html>

Nanoscience and Nanotechnology in Biology and Medicine

- R01 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.
