



## News for the School of Dental Medicine Research Community January/February 2014

*Distributed via email on January 24, 2014*

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*Any questions or comments about the information contained in this newsletter can be directed to [dentres@case.edu](mailto:dentres@case.edu).*

### **Research @ CWRU Investigator Bootcamp**

This 90-minute orientation is designed to help new faculty navigate the university's research grant and regulatory compliance processes and policies. Research Administration staff members will share the university's internal procedures and attendees will receive a binder of helpful information to take away from the presentation. There will be plenty of time for questions.

The next bootcamp will be Tuesday, February 11 at the Kelvin Smith Library LL06 from 12 – 1:30 pm. Registration is required, as refreshments will be provided.

Register online at: <https://research.case.edu/Education/Onlinecalendar.cfm>.

### **ShowCASE 2014 Call for Presentations**

On Friday, April 18, 2014 at the Veale Convocation Center, we invite you to participate with other CWRU faculty, staff and students, as well as researchers from CWRU-affiliated institutions, by presenting your research at Research ShowCASE 2014. The event will provide an opportunity for you to display your research in a conventional scientific poster, an interactive display booth, an oral presentation or through other creative means.

In order to display your work at Research ShowCASE, you will need to submit an online abstract describing your research. If you are a student, your faculty advisor will need to approve your submission.

For more information about the event and details on submitting your abstract, go to:  
<https://research.case.edu/showcase/index.cfm>.

The deadline for submitting an abstract is **Monday, February 3, 2014**.

## **NIDCR Council Meeting and Strategic Plan**

The NIDCR has recently sent out two invitations to the research community to allow those interested to learn about the NIDCR's plan for the future.

- National Advisory Dental & Craniofacial Research Council Meeting, January 28, 2014
  - The 205<sup>th</sup> session of the National Advisory Dental and Craniofacial Research Council (NADCRC) will be held Tuesday, January 28, 2014 on the NIH main campus. The morning session will begin at 8:30 AM and will be made available as a webcast at: <http://videocast.nih.gov/>. A tentative agenda is included at the end of this newsletter.
- NIDCR 2014-2019 Strategic Plan – Feedback Requested
  - The NIH National Institute of Dental and Craniofacial Research (NIDCR) has completed drafting its 2014-2019 Strategic Plan. Before finalizing the plan, the NIDCR is requesting the input of the research community. The draft can be found on the NIDCR News site at <http://www.nidcr.nih.gov/NewsAndFeatures/Announcements/StrategicPlanComments>.

Any feedback should be sent to [NIDCRStrategicPlanCo@nidcr.nih.gov](mailto:NIDCRStrategicPlanCo@nidcr.nih.gov) no later than Friday, January 31, 2014.

## **OMB Uniform Guidance for Federal Awards**

On December 26, 2013, the Office of Management and Budget ("OMB") published its final guidance in the Federal Register entitled "Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards" ("Final Guidance"), to be located at Title 2 of the Code of Federal Regulations ("C.F.R."). This Final Guidance supersedes and combines the requirements of eight existing OMB Circulars, including the A-21, A-110, and A-133 which apply to federal award management here on campus. The intent is to streamline the federal grant-making and monitoring process, to ease administrative burden for grant applicants and recipients, and to reduce the risk of waste, fraud and abuse.

The new guidance will take effect one year after its publication, or December 26, 2014. More information and the full text of the guidance can be found on the Federal Register website at <https://www.federalregister.gov/articles/2013/12/26/2013-30465/uniform-administrative-requirements-cost-principles-and-audit-requirements-for-federal-awards>.

In addition, the Council on Financial Assistance Reform (COFAR) will host a webinar that covers the administrative changes on January 27, 2014. More information can be found at <https://cfo.gov/COFAR/>.

## **Team Science Workshop**

On Monday, February 17, the CTSC will host the Team Science Workshop. This will be a forum to enhance our understanding of Team Science and how it can advance research efforts through collaboration. Team Science collaborations can join together individuals from the same department, other institutions, community organizations, and/or other organizations that typically do not interact with one another.

The National Institutes of Health has been explicit in its support of Scientists working in teams to solve complex problems, so please come and learn more about this new direction of research.

More information and registration instructions at <http://casemed.case.edu/ctsc/teamscience/>.

## **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](mailto: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
  - Financial Journals – January 30, 9:00-11:00am
  - ABCs of Financials at Case – February 6, 11:00-12:00pm
  - Running and Interpreting Financial Reports and Reconciliation – February 10, 2:30-4:00pm
  - All Things Travel – February 27, 9:30-12:00pm
  - Purchasing from A to Z – Anytime online!
  - Financial Journals – Anytime online!
  - Financial Cashiering – Anytime online!

## **Research Administration Seminar Series**

Check out <https://research.case.edu/Education/Onlinecalendar.cfm> to see the latest offerings from CWRU and UH on various research topics. Upcoming sessions include:

- Sparta Training – Multiple sessions
- iRIS Training: Submitting Continuing Reviews – January 30
- Informed Consent Series Part 6 (Rescheduled): Involving Children in Research – February 7
- Research@CWRU Investigator Bootcamp – February 11
- How Do You Know When an IDE is Required? Application Submission Steps – February 11
- WEBINAR: Best Practices for Assessing Risk in Social and Behavioral Research – February 12
- Clinical Research Forum – February 19
- UH Clinical Research Orientation – February 21
- Maintaining your Investigational Device Exemption (IDE) with the FDA: Keys for Success – February 25
- Regulatory Binder Essential Documents – February 27

## **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](http://grants.nih.gov/podcasts/All_About_Grants/index.htm).

Also, subscribe to the new YouTube Channel for exciting videos about the NIH and grants -

<http://www.youtube.com/user/NIHgrants/>

## **List of Funding Opportunities**

For your convenience, a running list of funding opportunities that may be of interest to the community is provided. This list will be sent out with this email monthly, with the newest additions highlighted in yellow. It follows this newsletter.

National Institutes of Health

National Institute of Dental and Craniofacial Research

Bethesda, Maryland  
205<sup>th</sup> Meeting of the

National Advisory Dental and Craniofacial Research Council

Building 31C, 6<sup>th</sup> Floor, Conference Room 10

Tuesday, January 28, 2014, 8:30 AM

**AGENDA - OPEN TO THE PUBLIC**

8:30 AM	<b>WELCOME AND INTRODUCTIONS</b>	<i>Dr. Martha Somerman</i>
8:40 AM	<b>APPROVAL OF MINUTES FROM PREVIOUS MEETING</b>	<i>Dr. Alicia Dombroski</i>
8:45 AM	<b>REVIEW OF COUNCIL OPERATING PROCEDURES</b>	<i>Dr. Alicia Dombroski</i>
8:50 AM	<b>REPORT OF THE DIRECTOR, NIDCR</b> <ul style="list-style-type: none"><li>• FY2013 Budget Report</li><li>• Strategic Plan</li></ul>	<i>Dr. Martha Somerman</i>
9:45 AM	<b>BREAK</b>	
10:00 AM	<b>DIVERSITY IN SCIENCE AND NIH ACTIVITIES</b>	<i>Dr. Michelle Bennett</i>
10:30 AM	<b>NIDCR COMMITTEE ON DIVERSITY REPORT</b>	<i>Dr. Kathryn Carbone</i> <i>Dr. Lynn King</i>
11:15 AM	<b>CONCEPT CLEARANCE</b>  Mentored Research Scientist Development Award (K01)	<i>Dr. Lynn King</i>
11:30 AM	<b>DISCUSSION</b>	
12:00 PM	<b>ADJOURNMENT OF OPEN SESSION AND LUNCH</b>	

Sign Language Interpreters will be provided. Individuals with disabilities who need reasonable accommodation to participate in this event should contact Ms. Delores Robinson, 301-594-4890 (or use the Federal Relay, 1-800-877-8339 to contact us)

**01/06/14**

## **Funding Opportunities of Interest**

*Listed by application deadline*

*January 24, 2014*

*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.*

**Rolling Deadline (4<sup>th</sup> Thursday of Each Month)** – Sponsor: DentaQuest Foundation

<http://www.dentaquestfoundation.org/sites/default/files/uploads/Innovation%20Fund%20for%20Oral%20Health%20RFP-2013.pdf>

Innovation Fund for Oral Health

- The DentaQuest Foundation envisions specific, longer-term changes, within the systems that we work to impact. Through the Innovation Fund for Oral Health, the Foundation seeks to identify and support programs that create movement toward the optimal oral health systems descriptors listed in the bullets below.
  - Policy
  - Financing
  - Care
  - Community

**Due Date Determined by Institute (through September 30, 2015)** – Sponsor – NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-12-149.html>

Research Supplements to Promote Diversity in Health-Related Research

- The National Institutes of Health (NIH) and the Centers for Disease Control and Prevention (CDC) hereby notify Program Director(s)/Principal Investigator(s) (PD(s)/PI(s)) holding specific types of NIH research grants, listed in the full Funding Opportunity Announcement (FOA) that funds are available for administrative supplements to improve the diversity of the research workforce by supporting and recruiting students, postdoctorates, and eligible investigators from groups that have been shown to be underrepresented in health-related research. All applicants are strongly encouraged to discuss potential funding requests with their Program Officer at the NIH.

**January 30, 2014 (and May 30, 2014)** – 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, 2014** – Sponsor: PhRMA Foundation

[http://www.phrmafoundation.org/index.php?option=com\\_award&task=sdetail&id=16](http://www.phrmafoundation.org/index.php?option=com_award&task=sdetail&id=16)

Research Starter Grant – Health Outcomes

- The purpose of the PhRMA Foundation Research Starter Grants is to offer financial support to individuals beginning their independent research careers at the faculty level. The program provides a research grant of \$100,000 for one year. This program supports individuals beginning independent research careers in academia who do not have other substantial sources of research funding.

**February 5, 2014 (and future R01 dates through September 8, 2015)** – Sponsor: NIH

(R21 companion announcement linked below)

<http://grants.nih.gov/grants/guide/pa-files/PA-13-379.html>

Establishing Outcome Measures for Clinical Studies of Oral and Craniofacial Diseases and Conditions (R01)

- Study outcomes or endpoints used in a clinical trial or study must provide reliable and valid signals for the efficacy of the intervention being tested or to reliably document disease prevalence and/or progression. The lack of defined, valid outcome measures has limited clinical studies of some oral and craniofacial diseases and conditions. This funding opportunity announcement (FOA) aims to address this problem by supporting research that will establish well-founded clinical outcome measures to be used in oral and craniofacial research. The developed outcome assessment(s) may be used to characterize a disease, its progression or its severity, or it may serve as a clinical endpoint to measure treatment efficacy in future studies. This FOA also encourages development of clinician-reported, patient-reported or observer-reported (i.e., parent- or caregiver-reported) outcome measures to capture clinical differences that are meaningful to individuals affected by a disease or condition.

**February 5, 2014 (and future R01 dates through September 8, 2016)** – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-13-292.html>

Behavioral and Social Science Research on Understanding and Reducing Health Disparities

- Given the extensive scientific literature documenting health inequities, this announcement calls for research to address and to improve understanding of the causes of health disparities. In so doing, the announcement stresses the explicit employment of concepts and models from the behavioral and social sciences to guide applications in basic social and behavioral, and applied social and behavioral research by focusing on three action areas: public policy, health care, and disease/disability prevention. It emphasizes (1) basic social and behavioral research — acting with or through biological — pathways that give rise to disparities in health and (2) applied or translational research on the development, testing, adaptation, and delivery of interventions to reduce disparities. It encourages a multi-level analytic framework (i.e., ranging from individuals to societies) in investigating public health issues and their interactions (e.g., multiple morbidities rather than single illnesses) as well as attention to risk factors or causal processes common to various health conditions (e.g., smoking, diet, exercise, environmental risk, and access to health care.)

**February 5, 2014 (and future R01 due dates through January 8, 2016)** – Sponsor: NIH

Dissemination and Implementation Research in Health

<http://grants.nih.gov/grants/guide/PA-files/PA-13-055.html>

- This Funding Opportunity Announcement (FOA) encourages investigators to submit research grant applications that will identify, develop, evaluate and refine effective and efficient methods, systems, infrastructures, and strategies to disseminate and implement 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.

**February 5, 2014 (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, 2014 (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, 2014 (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, 2014 (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, 2014 (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, 2014 (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.

**February 7, 2014** – Sponsor: AHRQ

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-14-005.html>

Patient Safety Learning Laboratories: Innovative Design and Development to Improve Healthcare Delivery Systems

- In recognizing both the successes and limitations of patient safety efforts thus far, there remains a need to create opportunities for new ways of thinking and learning, and for fresh approaches that can be tested, revised and further developed when considered promising. As conceived in this FOA, learning laboratories are places and professional networks that allow multidisciplinary teams to identify interrelated threats to patient safety, stretch professional boundaries, envision bold design innovations, and take advantage of brainstorming and rapid prototyping techniques that other leading-edge sectors of the economy employ. Further, opportunities are needed to refine promising design interventions by engaging in multiple develop-test-revise iterations as occur in system engineering projects. The ultimate goal of the Learning Laboratories is to test the

integrated system in simulated clinical settings or in the context of actual clinical settings. Applicants that focus upon significant interrelated patient safety issues while simultaneously addressing frequent and high-cost care that occurs in under-resourced communities are also welcomed.

**February 7, 2014** – Sponsor: MIH

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-14-007.html>

Deliberative Approaches: Patient and Consumer Input for Implementing Evidence-Based Health Care (R21)

- The purpose of this FOA is to develop and demonstrate the use of deliberative methods in convening patients or the public to address complex issues related to the implementation of health care policies, programs, or other decisions that are designed to improve research or care (and, ultimately, health outcomes) in a specific setting. The projects will be funded through the Patient Centered Outcomes Research (PCOR) Trust Fund, consistent with the statutory requirement in The Affordable Care Act (P.L. 111-148) that AHRQ broadly disseminate research relevant to comparative clinical effectiveness research. Projects funded under this FOA will promote the active contribution of patients and the public to assuring that comparative effectiveness research is disseminated and implemented to best effect in improving care.

**February 16, 2014 (and future R21 dates through September 8, 2015)** – Sponsor: NIH

(R01 companion announcement linked in list above)

<http://grants.nih.gov/grants/guide/pa-files/PA-13-380.html>

Establishing Outcome Measures for Clinical Studies of Oral and Craniofacial Diseases and Conditions

- Study outcomes or endpoints used in a clinical trial or study must provide reliable and valid signals for the efficacy of the intervention being tested or to reliably document disease prevalence and/or progression. The lack of defined, valid outcome measures has limited clinical studies of some oral and craniofacial diseases and conditions. This funding opportunity announcement (FOA) aims to address this problem by supporting research that will establish well-founded clinical outcome measures to be used in oral and craniofacial research. The R21 activity code is intended to encourage new exploratory and developmental research projects. For example, projects could assess the feasibility of using a new experimental outcome measure that has the potential to enhance health-related research. Another example could include the unique and innovative use of an existing method of assessing one disease to explore the method's ability to measure another. An R21 grant application need not have extensive background material or preliminary information.

**February 16, 2014 (and future R21 dates through September 8, 2016)** – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-13-288.html>

Behavioral and Social Science Research on Understanding and Reducing Health Disparities

- Given the extensive scientific literature documenting health inequities, this announcement calls for research to address and to improve understanding of the causes of health disparities. In so doing, the announcement stresses the explicit employment of concepts and models from the behavioral and social sciences to guide applications in basic social and behavioral, and applied social and behavioral research by focusing on three action areas: public policy, health care, and disease/disability prevention. It emphasizes (1) basic social and behavioral research — acting with or through biological — pathways that give rise to disparities in health and (2) applied or translational research on the development, testing, adaptation, and delivery of interventions to reduce disparities. It encourages a multi-level analytic framework (i.e., ranging from individuals to societies) in investigating public health issues and their interactions (e.g., multiple morbidities rather than single illnesses) as well as attention to risk factors or causal processes common to various health conditions (e.g., smoking, diet, exercise, environmental risk, and access to health care.)

**February 16, 2014 (and future R03/R21 due dates through January 8, 2016)** – Sponsor: NIH

R21: <http://grants.nih.gov/grants/guide/pa-files/PA-13-054.html>

R03: <http://grants.nih.gov/grants/guide/pa-files/PA-13-056.html>

Dissemination and Implementation Research in Health

- This Funding Opportunity Announcement (FOA) encourages investigators to submit research grant applications that will identify, develop, evaluate and refine effective and efficient methods, systems, infrastructures, and strategies to disseminate and implement 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.

**February 16, 2014 (and subsequent R03 due dates through September 8, 2015)** – 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.

**February 16, 2014 (and subsequent R34 due dates through September 8, 2014)** – Sponsor – NIH

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

NEW! Clarifying notice: <http://grants.nih.gov/grants/guide/notice-files/NOT-DE-14-001.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.

**February 16, 2014 (and subsequent R03 and R21 dates through September 8, 2014)** – 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.

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

<http://grants.nih.gov/grants/guide/pa-files/PA-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.

**February 16, 2014 (and subsequent R21 dates through May 8, 2014)** – 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.

**February 16, 2014 (and subsequent R21 dates through May 8, 2014)** – 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.

**February 16, 2014 (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.

**February 16, 2014 (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

**February 20, 2014** – Sponsor: NIH/NLM

<http://grants.nih.gov/grants/guide/pa-files/PA-13-014.html>

Grants for Scholarly Works in Biomedicine and Health

- The National Library of Medicine (NLM) awards Grants for Scholarly Works in Biomedicine and Health for the preparation of book-length manuscripts and other scholarly works of value to U.S. health professionals, public health officials, biomedical researchers, and historians of the health sciences. Grants are awarded for major critical reviews, state-of-the-art summaries, historical studies, and other useful organizations of knowledge in clinical medicine, public health, biomedical research, and the informatics/information sciences relating to them. The scholarly work may be prepared for publication in print or electronic media, or both.

**March 7, 2014** – Sponsor: NIH

U01 - <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-14-001.html>

U19 - <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-14-002.html>

International Collaborations in Infectious Diseases Research

- The purpose of this Funding Opportunity Announcement (FOA) is to solicit applications from U.S. institutions and collaborating foreign (non-U.S.) institutions to study infectious diseases (excluding HIV/AIDS) of great public health significance in resource-constrained countries. The collaboration must include, at a minimum, one U.S. institution and one eligible foreign institution. Eligible foreign countries are defined as low-income economies, lower-middle-income economies, and upper-middle-income economies, as defined by the World Bank. This work is expected to increase scientific knowledge on public health related issues, enhance relevant research experience for U.S. and foreign investigators, promote the development of research capacity, and encourage future collaborative relationships.

**March 20, 2014 (and annually thereafter through 2015)** – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-13-029.html>

Opportunities for Collaborative Research at the NIH Clinical Center (U01)

- The goal of this funding opportunity announcement (FOA) is to support collaborative translational research projects aligned with NIH efforts to enhance the translation of basic biological discoveries into clinical applications that improve health. This opportunity is specifically to promote partnerships between NIH intramural investigators (e.g., those conducting research within the labs and clinics of the NIH) and extramural investigators (e.g., those conducting research in labs outside the NIH). It will provide support for extramural investigators to take advantage of the unique research opportunities available at the NIH Clinical Center by conducting research projects in collaboration with NIH intramural investigators.

**March 21, 2014** – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-14-073.html>

Shared Instrumentation Program

- Encourages applications from groups of NIH-supported investigators to purchase or upgrade a single item of expensive, specialized, commercially available instrumentation or an integrated system that costs at least \$100,000. The maximum award is \$600,000. Types of instruments supported include confocal and electron microscopes, biomedical imagers, mass spectrometers, DNA sequencers, biosensors, cell-sorters, X-ray diffraction systems, and NMR spectrometers among others.

**May 7, 2014 (and subsequent HIV/AIDS due dates through 9/8/2016)** – Sponsor: NIH

R01: <http://grants.nih.gov/grants/guide/pa-files/PA-13-377.html>

R21: <http://grants.nih.gov/grants/guide/pa-files/PA-13-378.html>

Research on Malignancies in the Context of HIV/AIDS

- The purpose of this funding opportunity announcement (FOA) is to continue advancing our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying Human Immunodeficiency (HIV) infection or Acquired Immune Deficiency Syndrome (AIDS). The NCI and NIDCR encourage research in areas such as the study of the etiologic factors, cofactors, immunopathogenesis, diagnosis, and consequences of both AIDS-defining and non-AIDS defining malignancies in diverse populations in the context of an underlying HIV infection. This FOA encourages research efforts that will: (i) provide information on the clinical outcomes of such cancers in the HIV-infected population; and (ii) identify specific contributions resulting from HIV infection and its potential interaction with other pathogens for the development and pathogenesis of these cancers. Ultimately, such efforts could inform screening approaches and therapies targeted to the HIV-infected population.

**May 7, 2014 (and subsequent HIV/AIDS R01 due dates through 9/8/2016)** – Sponsor – NIH

R03: <http://grants.nih.gov/grants/guide/pa-files/PA-13-314.html>

R21: <http://grants.nih.gov/grants/guide/pa-files/PA-13-315.html>

Small Grants on Primary Immunodeficiency Diseases

- Primary immunodeficiency diseases result from inherited (i.e., genetic) defects in the immune system. More than 150 primary immunodeficiency diseases and 120 different genes causing these diseases have been identified as noted in the International Union of Immunological Societies Expert Committee for Primary Immunodeficiency (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3342372/>). While individual primary immunodeficiency diseases are rare, as a group they may affect 1-2% of the population. Primary immunodeficiency diseases provide an excellent window into the functioning of the immune system.

**May 7, 2014 (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.

**May 8, 2014 (and May 8, 2014, September 9, 2014, and January 8, 2015)** – Sponsor: NIH

R01: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-14-024.html>

R21: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-14-029.html>

Basic Research in the Pathogenesis of HIV-Related Heart, Lung, and Blood (HLB) Diseases in Adults and Children

- The purpose of this funding opportunity announcement (FOA) is to encourage basic research to investigate the fundamental mechanisms of HIV-related heart, lung, and/or blood (HLB) diseases alone and in the context of antiretroviral therapy (ART). Investigations may be conducted on various primary cell types (e.g., hematopoietic stem cells and the surrounding niche), biospecimens, computational models, and animal models, particularly those used for HIV research. The use of HIV specimens in existing biorepositories and other human samples is highly encouraged, and their analyses should be directed towards basic research questions. The goal is to provide the critical basic science foundation and guide the design of new therapeutic approaches for HIV-related HLB conditions.

**June 14, 2014 (June 14, 2014 and January 16, 2015)** – Sponsor: NIH

R01: <http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-13-011.html>

R03: <http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-13-012.html>

R21: <http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-13-010.html>

Tobacco Control Regulatory Research

- This Funding Opportunity Announcement (FOA) encourages biomedical, behavioral, and social science research that informs the development and evaluation of regulations on tobacco product manufacturing, distribution, and marketing. Research projects must address the research priorities related to the regulatory authority of the Food and Drug Administration (FDA) Center for Tobacco Products (CTP) as mandated by the Family Smoking Prevention and Tobacco Control Act (FSPTCA).

**October 10, 2014 (and October 9, 2015)** – Sponsor: NIH

<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-13-006.html>

NIH Pioneer Award Program

- The NIH Pioneer Award initiative is part of the NIH Common Fund (formerly known as the NIH Roadmap), which supports cross-cutting programs that are expected to have exceptionally high impact. All Common Fund initiatives invite investigators to develop bold, innovative, and often risky approaches to address problems that may seem intractable or to seize new opportunities that offer the potential for rapid progress.

**October 17, 2014 (and October 16, 2015)** – Sponsor: NIH

<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-13-007.html>

NIH Director's New Innovator Award Program

- The NIH Director's New Innovator Award addresses two important goals: stimulating highly innovative research and supporting promising new investigators. New investigators may have exceptionally innovative research ideas, but not the preliminary data required to fare well in the traditional NIH peer review system. As part of NIH's commitment to increasing opportunities for new scientists, it has created the NIH Director's New Innovator Award to support exceptionally creative new investigators who propose highly innovative research projects that have the potential for unusually high impact. This award complements ongoing efforts by NIH and its Institutes and Centers to fund new investigators through R01 grants and other mechanisms.