



News for the School of Dental Medicine Research Community

August 2013

Distributed via email on August 5, 2013

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

Comment on the NIDCR Strategic Plan

The NIH's National Institute of Dental and Craniofacial Research (NIDCR) is working on a strategic plan to guide research efforts over the next six years (2014-2019). The strategic planning process provides a unique opportunity to gather input from individuals and organizations with a stake in the research and its outcome – including researchers, clinicians, patients, educators, scientific and professional societies, health voluntary organizations, industry groups, and others. The NIDCR invites you to give your candid opinions, ideas, and suggestions about future directions for the Institute.

To do so, please take a look at the seven questions on the comment form at the link below and provide input on any or all of them. You may identify yourself and your institution and relationship to NIDCR so they can better understand your perspective; however, anonymous input is also welcome.

Please send your comments by September 6, 2013.

<http://www.nidcr.nih.gov/NewsAndFeatures/Announcements/GiveUsYourIdeasforNIDCRsNextStrategicPlan>

New! Research Bootcamp for New Faculty (and seasoned faculty as well!)

OSPA has announced a “New to CWRU” Research Bootcamp program to be offered for faculty. Despite the title, all faculty are welcome, no matter how long they have been at Case. Personalized invitations will be sent to new faculty and a general announcement regarding registration will be sent out by OSPA as the dates approach. So in the meantime, please note the times below for the upcoming sessions. As more information becomes available, it will be included in the newsletter.

Upcoming scheduled dates:

Thursday, September 26, 2013, 11:30am-1:00pm, KSL LL06 (lunch provided)

Tuesday, October 15, 2013, 12:00-1:30pm, KSL LL06 (lunch provided).

Required Training for Use of Controlled Substances in Animal Research

Protocols

The Animal Resource Center is initiating a new mandatory training program for investigative groups that use controlled substances as part of their animal research protocols. Principal Investigators and personnel in laboratories responsible for managing controlled substances are required to attend one of these sessions. Information about this training will also be presented to the administrative forum to let administrators who order controlled substance know how the process works. This effort is to bring everyone up to date on the program for managing controlled substances and measures that are being implemented going forward.

Please attend one of the following sessions (no registration is required):

Tuesday, August 6, SOM Room E301, 2:00pm

Tuesday, August 13, SOM Room E301, 2:00pm

Tuesday, August 27, Wolstein Research Building Auditorium, Room 1413, 2:00pm

Any specific questions can be directed to OSPA at 368-4510.

Did You Know? The Scientific Instrument Repair Center Wants to Help You!

With the tightening of grant funds, many labs are looking for a better way to make their expensive equipment last longer. If you've tried to schedule a service call recently, you know that it can cost as much as \$600 just to get an outside service to come and look at your equipment. But there is a better way – Case's own Scientific Instrument Repair Center.

The SIRC offers mechanical and electronic diagnosis and repair of general and specialized laboratory equipment, equipment design and modification, fabrications, retro-fitting, reconditioning and rebuilding of older equipment – at prices that are likely much lower that would be charged by an external vendor.

For any equipment repairs, check out the Scientific Repair Center. More information and an online request form can be found at <http://casemed.case.edu/sirc/>.

NIH Releases New PHS 398 Application Forms and Instructions

Last month, the NIH issued notice NOT-OD-13-091 that announced the availability of new application instructions and forms for paper and electronic applications that are required for due dates on or after September 25, 2013.

The new forms are labeled "Forms-C". All PAs and RFAs have been updated to include the new forms to be used when applicable. Please see the notice for more information regarding the changes to the forms and applications at <http://grants.nih.gov/grants/guide/notice-files/not-od-13-091.html>.

Internal Funding Opportunity:

- STERIS Corp.
 - The Division of Infectious Diseases & HIV Medicine at Case Western Reserve University and University Hospitals Case Medical Center, with funds from STERIS Corporation, will provide seed money to faculty to foster research in emerging and healthcare-associated infections. Investigators in the basic science and clinical departments in the School of Medicine and Hospital System as well as in other departments throughout the University are eligible. Grants, not to exceed \$37,500 direct costs each, will be awarded to investigators who intend to gather preliminary data to be used in seeking future independently funded awards. Basic science applications are encouraged but should have a clear translational component related to the themes of this request for application.

For more information and a Word document containing the RFA, please visit the department's website at <http://case.edu/med/id/>.

- **CTSC Pilot for Child Health**
 - The Clinical and Translational Science Collaborative at Case Western Reserve University seeks applications for pilot research funding from faculty at Case Western Reserve University, Cleveland Clinic, Metro Health Medical Center, University Hospitals Case Medical Center, and the Louis Stokes Veterans' Administration Medical Center. The CTSC intends to award 3 one-year awards for up to \$30,000 each in direct costs. Indirect costs will not be allowed.

For the full announcement, please visit

<http://casemed.case.edu/ctsc/funding/rfa/Child%20Health%20Themed%20Pilot%20RFA%20Final.pdf>.

English 186: Writing Workshop for Researchers

The English Department at CWRU is offering a two-credit workshop this fall that is geared toward research scientists to help improve oral communication and writing skills. The class is primarily intended for non-native speakers, but native speakers who want to improve their academic and professional English skills are welcome too.

Students meet together in a weekly seminar to improve oral communication and to address common English writing and grammar concerns. In addition, students meet individually with the instructor weekly for practice and instruction in academic/professional genres of writing.

The English department's website can provide more information about the course (there is a link to the Fall 2013 course descriptions) - <http://www.case.edu/artsci/engl/index-new.html>.

As a reminder, a tuition waiver may be available for this class for regular staff. Please check with HR if you have any questions about eligibility.

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: Fundamentals – August 14, 11:00 – 12:30pm
 - ABCs of Financials – August 14, 3:00-4:00pm
 - Running and Interpreting Financial Reports and Reconciling – August 22, 1:00-3:30pm
 - 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:

- UH Clinical Research Forum (open to all members of the Case/UH Research Community) – August 21

- Informed Consent Series: Part III – Consent is a Process – August 28

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 for July: NIH's Inclusion Policy: Understanding Race and Ethnicity

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.

Funding Opportunities of Interest

Listed by application deadline

August 5, 2013

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 (4th 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 – 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.

August 12, 2013 (Internal Letter of Intent – LIMITED SUBMISSION) – Sponsor – Burroughs Wellcome Fund

<https://research.case.edu/LimitedSubmissions/BurroughsWelcome2013.cfm>

BWF Investigators in the Pathogenesis of Infectious Disease

- This BWF program provides opportunities for assistant professors to bring multidisciplinary approaches to the study of human infectious diseases. The goal of the program is to provide opportunities for accomplished investigators still early in their careers to study the pathogenesis of infectious disease at its most fundamental level -- the points where human and microbial systems connect. The program supports research that sheds light on the fundamentals that affect the outcomes of this encounter: how colonization, infection, commensalism and other relationships play out at levels ranging from molecular interactions to systemic ones.

August 15, 2013 – Sponsor - NIH

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

Functional Characterization of Oral Cancer Initiating Cells

- The primary objective of this FOA is to elucidate the cellular origins, molecular properties and functional roles of oral Cancer-Initiating Cells (CICs) and their microenvironment. The long-term objective is to use this knowledge to facilitate the development of new targeted and effective therapies for Oral Squamous Cell Carcinomas (OSCCs). The major intent is to move the field beyond phenotypic characterization of oral CICs and their niches and to support studies that provide actionable quantitative molecular data to target CICs effectively for the treatment of OSCC.

August 22, 2013 – Department of Infectious Disease/STERIS Corp.

<http://case.edu/med/id/> (Word document of RFA found on department's site)

STERIS Grant

- The Division of Infectious Diseases & HIV Medicine at Case Western Reserve University and University Hospitals Case Medical Center, with funds from STERIS Corporation, will provide seed money to faculty to foster research in emerging and healthcare-associated infections. Investigators in the basic science and clinical departments in the School of Medicine and Hospital System as well as in other departments throughout the University are eligible. Grants, not to exceed \$37,500 direct costs each, will be awarded to investigators who intend to gather preliminary data to be used in seeking future independently funded awards. Basic science applications are encouraged but should have a clear translational component related to the themes of this request for application. Up to four grants annually will be awarded. At least one of these awards will be targeted directly to STERIS' interests.

September 7, 2013 (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.

September 18, 2013 – Sponsor: NIH

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-14-003.html>

Innovative Approaches and Technologies for Examining the Uncultivable Bacteria of the Oral Microbiota

- Looking for proposals that increase understanding of the role that uncultivable bacterial species play in the microbial ecology of the human oral microbiota during states of health and disease.

October 1, 2013 – Sponsor: CWRU CTSC

<http://casemed.case.edu/ctsc/funding/rfa/Child%20Health%20Themed%20Pilot%20RFA%20Final.pdf>

CTSC Themed Pilot for Child Health

- The Clinical and Translational Science Collaborative at Case Western Reserve University seeks applications for pilot research funding from faculty at Case Western Reserve University, Cleveland Clinic, Metro Health Medical Center, University Hospitals Case Medical Center, and the Louis Stokes Veterans' Administration Medical Center. We intend to award 3 one-year awards for up to \$30,000 each in direct costs. Indirect costs will not be allowed.
- The primary goal of the Child Health Themed Pilot Award is to support and encourage collaborative research in clinical and translational medicine focused on child health that will lead to both external funding opportunities and new discoveries that will promote and advance child health

October 5, 2013 (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/PAR-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.

October 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) 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.

October 5, 2013 (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

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

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

October 5, 2013 (and subsequent R01 dates through 1/8/2014) – Sponsor: NIH

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

October 5, 2013 (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.

October 5, 2013 (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.

October 5, 2013 (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.

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 16, 2013 (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.

October 16, 2013 (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.

October 16, 2013 (and subsequent R34 due dates through September 8, 2014) – 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, 2013 (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.

October 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 (<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, 2013 (and subsequent R21 due dates through January 8, 2014) – 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, 2013 (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.

October 16, 2013 (and subsequent R21 dates through January 8, 2014) – 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, 2013 (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.

October 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.

October 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

November 13, 2013 – Sponsor: NIH

<http://grants.nih.gov/grants/guide/rfa-files/RFA-TW-13-002.html>

Research on the Role of Epigenetics in Social, Behavioral, Environmental and Biological Relationships, throughout the Life-Span and across Generations (R21)

- The purpose of this FOA is to support development of basic research to elucidate the role of social (including cultural and socio-economic context) and behavioral, influences on the epigenome, and vice versa, and their relationship to external and internal, environmental and biological, factors throughout the life-span and across generations.

January 15, 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

January 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.

December 9, 2013 – Sponsor – IADR/Colgate Palmolive

http://www.iadr.com/i4a/pages/index.cfm?pageid=3905#Udrial_D_Gh

IADR Colgate Community-Based Research Award for Caries Prevention

- The 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. Depending on the proposals and peer-review, either a single award of \$75,000 or multiple smaller awards not exceeding a total of \$75,000 will be offered.

February 20, 2014 – Sponsor: NIH/NLM

<http://grants.nih.gov/grants/guide/pa-files/PAR-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 20, 2014 (and annually thereafter through 2015)– Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PAR-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, 2011 – Sponsor: American Dental Association

<http://www.ada.org/applyforassistance.aspx>

Give Kids A Smile Continuity of Care Grant

- Grant funding to expand Give Kids Smile Day initiatives to provide restorative dental care to high-risk children who did not complete all restorative care during the Give Kids A Smile Day event. Program offers four grants of up to \$13,500 exclusively for Continuity of Care. Continuity of Care under this program is defined as establishing a liaison/case management system to ensure underserved children cared for during applicants' GKAS event subsequently receive pro bono restorative care and/or to assist families to become enrolled into systems of care and connected with a dental home.
- No information for 2012.

May 25, 2011 – Sponsor: HRSA

<https://grants.hrsa.gov/webExternal/FundingOppDetails.asp?FundingCycleId=E094A5D3-EF6A-4E0E-8D1D-4E6D4C79F99A&ViewMode=EU&GoBack=&PrintMode=&OnlineAvailabilityFlag=&pageNumber=&version=&NC=&Popup=>

Health Careers Opportunity Program

- The purpose of the Health Careers Opportunity Program (HCOP) is to assist individuals from disadvantaged (economically and educationally) backgrounds throughout the educational pipeline to undertake education to enter and graduate from a health or allied health professions program. Applicants are required to propose activities for each of the following eight program purposes: 1) Recruitment, 2) Facilitating Entry, 3) Counseling, Mentoring and Other Services, 4) Preliminary Education and Health Research Training, 5) Financial Aid Information Dissemination, 6) Primary Care Exposure Activities, 7) Development of a More Competitive Applicant Pool, and 8) Stipends.

May 27, 2011 – Sponsor: STERIS Corporation through CWRU

- Funds from STERIS Corporation will provide seed money to faculty to foster research in emerging and healthcare-associated infections. Grants, not to exceed \$37,500 direct costs each, will be awarded to investigators who intend to gather preliminary data to be used in seeking future independently funded awards. Basic science applications are encouraged but should have a clear translational component related to the themes of this request for application. Up to four grants annually will be awarded. At least one of these awards will be targeted directly to STERIS' interests. For more information please contact Martha Salata at mks18@case.edu.

June 1, 2011 (Pre-Proposal Due) – Sponsor: Damon Runyon Cancer Research Foundation

http://www.damonrunyon.org/for_scientists/more/innovation_award_overview

Damon Runyon-Rachleff Innovation Award

- Designed to provide support for the next generation of exceptionally creative thinkers with “high risk/high reward” ideas that have the potential to significantly impact our understanding of and/or approaches to the prevention, diagnosis or treatment of cancer. The Innovation award is specifically designed to provide funding for extraordinary early career researchers who have an innovative new idea but lack sufficient preliminary data to obtain traditional funding. It is not designed to fund incremental advances. The research supported by the award must be novel, exceptionally creative and, if successful, have the strong potential for high impact in the cancer field.

June 30, 2011 – Sponsor: HRSA

<https://grants.hrsa.gov/webExternal/FundingOppDetails.asp?FundingCycleId=729BD384-C7B8-427B-8C4F-2532C30F97FA&ViewMode=EU&GoBack=&PrintMode=&OnlineAvailabilityFlag=&pageNumber=&version=&NC=&Popup=>

Oral Health Training and Technical Assistance National Cooperative Agreement

- Available funds are targeted for the purpose of providing specialized training and technical assistance to potential and current HRSA awardees including HRSA-supported service delivery and workforce programs, Primary Care Associations (PCAs), State Offices of Rural Health (SORHs), and Primary Care Offices (PCOs), around increasing access to primary oral health care services for underserved and vulnerable populations.

July 1, 2011 – Sponsor: American Association of Periodontology

<http://www.perio.org/foundation/teaching-fellowship.htm>

AAP Teaching Fellowship

- AAP Teaching Fellowships are intended to support the young periodontal educator's commitment to a career in academia by providing debt relief to qualified applicants. The \$50,000 Fellowships are given to qualified faculty members within their first three years of teaching at a U.S. periodontal training institution. Funding for AAP Teaching Fellows is provided at the end of each year of full-time teaching. Applicants may apply for the AAP Fellowships for up to three years, as long as they maintain eligibility.

****UPDATED: July 15, 2011 – Letter of Intent (August 15, 2011 – Internal Proposal, November 1, 2011 – External)** – Sponsor: Hartwell Fndn

<http://ora.ra.cwru.edu/ospa/funding/hartwell.cfm>

****This entry has been updated to include the due date for the letter of intent****

Individual Biomedical Research Awards

- Case Western Reserve University has earned an at-large bid in The Hartwell Foundation's **Individual Biomedical Research Awards** program. As a result, CWRU is eligible to nominate two faculty members for proposal submission this year. The foundation funds 10 Hartwell Investigators annually for their innovative, early-stage, cutting-edge biomedical research that has the potential to benefit children. These awards provide funding to individual researchers in the U.S. for three years, at \$100,000 direct cost per year. **This will be first year of participation for CWRU.** This is a limited competition and CWRU can nominate two (2) faculty members to submit proposals. Therefore, there will be an internal proposal process to select the two nominees. For more information on the program please see <http://ora.ra.cwru.edu/ospa/funding/hartwell.cfm>. Please bookmark this page as more information regarding the internal proposal process will surely be posted.

July 15, 2011 – Sponsor: The American Society of Maxillofacial Surgeons

<http://maxface.org/awards/research-grant.cgi>

- Research Grant funding open to members of the society, as well as resident and research fellows who provide a letter of sponsorship from a member.

July 25, 2011 – Internal Proposal (September 30, 2011 – External proposal) – Sponsor: Kinship Foundation, Searle Scholars Program

<http://ora.ra.cwru.edu/ospa/funding/SearleScholars.cfm>

- Limited submission competition to support the research of young faculty. Candidates should have begun their first appointment as an independent investigator or assistant professor on or after July 1, 2010. Awards up to \$300,000 over a three year period.

August 1, 2011 – Sponsor: CWRU Clinical and Translational Science Collaborative

http://casemed.case.edu/ctsc/funding/Core_Utilization_Pilot_RFA.pdf

- Funds are available from the CWRU CTSC for the use of Core Services to obtain pilot data.

August 1, 2011 – Sponsor: U.S. Fulbright Scholar Program

<http://catalog.cies.org/viewAward.aspx?n=2248>

- Opportunity in Hungary for all levels of faculty. Stipend depends on level of appointment. Applicant must be a US Citizen to be eligible.

August 1, 2011 (Letter of Intent due) - Sponsor: American Association of Endodontists

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

- Opportunity grants are open to applicants whose requests fall outside the guidelines of the Foundation's current grant-making programs. Invited full proposals are due October 1, 2011.

August 15, 2011 – Letter of Intent – Sponsor: Healthy Smiles, Healthy Children Foundation, American Association of Pediatric Dentistry

<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=n91DT2rDBpXdkKvNYcndsQNCW7nm7vjw8gdC92Yghv4CGLsypxxw!-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:
 - Force Health Protection;
 - Enroute Care;
 - Operational Medicine;
 - Expeditionary Medicine/In Garrison;
 - Human Performance.
- See the full announcement for more detailed descriptions of each category.

August 31, 2011 – Sponsor: International Team for Implantology Foundation

<http://www.iti.org/?a=1&t=0&y=3001&r=0&n=109&i=&c=25&v=page&o=&s=>

- The ITI Foundation for the Promotion of Implantology supports clinical and laboratory research in implant dentistry and related fields twice a year (deadlines February 27 and August 31). Two grant types are available:
 - **Small Grant:** Primarily intended for research proposals submitted by young clinicians who have been working within established groups and wish to expand their scope and level of responsibility. It is also intended for newer investigators who want to establish a track record in implant dentistry. This may be by pursuing their own research interests or by building up their own research group. **The grant application should not exceed CHF 50,000 (CHF = Swiss Francs).**
 - **Clinical or Laboratory Research Grant (CLRG):** Awarded only to researchers or research groups who have established a reputation for credibility and thoroughness in the field as demonstrated by a continuous publication record in peer-reviewed journals. **The grant amount may exceed CHF 100,000, but should not be higher than CHF 200,000.**

September 1, 2011 – Sponsor: American Academy of Pediatric Dentistry

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

Three research grants (appear to be annual):

- Access to Care: Matching/Challenge grants of up to \$20,000/year supporting local initiatives that provide dental care to underserved/limited access children.
- Oral Research Health Grant: Multi-year award (\$100K for 3 years) that can be applied to research initiatives consistent with AAPD research agenda.
- Future Dental Researcher Fellowship: Support the career of 3rd year investigators focusing their research on the study of dental care programs targeting underserved/limited access children.

September 1, 2011 – Sponsor: PhRMA Foundation

http://www.phrmfoundation.org/index.php?option=com_award&task=sdetail&id=17

Research Starter Grant – Pharmacology and Drug Toxicology

- Offers financial support to individuals beginning their independent research careers at the faculty level. The areas of interest within this program are research efforts in the fields of pharmacology and drug toxicology. The program provides a research grant of \$60,000 for one year. Schools of medicine (human or veterinary), pharmacy and dentistry are eligible for this award.

September 2, 2011 (Call for Nominations) – Sponsor: IADR

<http://www.iadr.com/i4a/pages/index.cfm?pageid=3424>

IADR Distinguished Scientist Awards

- A number of different awards exist. Please see the link for more details.

September 7, 2011 (previously listed incorrectly with the standard R21 date) – Sponsor: NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-10-291.html>

Research on Malignancies in the Context of HIV/AIDS (R21)

- Part 2 Section 1 of the Announcement addresses areas that the NIDCR wants to encourage.

September 25, 2011 – Sponsor: AHRQ

<http://grants.nih.gov/grants/guide/notice-files/NOT-HS-11-013.html>

Health Issues of Minority Women

Note: While this entry lists the R18 mechanism deadline, this announcement is also available under the R01 (October 5) and R03 (October 16) mechanisms

- *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 – Sponsor: American Philosophical Society

<http://amphilsoc.org/grants/franklin>

Franklin Research Grants

- *Funding up to \$6,000 for use in calendar year 2012. The Franklin program is particularly designed to help meet the costs of travel to libraries and archives for research purposes; the purchase of microfilm, photocopies, or equivalent research materials; the costs associated with fieldwork; or laboratory research expenses.*

October 3, 2011 (Letter of Intent) – Sponsor: Beckman Foundation

http://www.beckman-foundation.com/BYIguides_new.html

Beckman Young Investigators Program

- *Intended to provide research support to young faculty members in the early stages of academic careers in the chemical and life sciences. Funding for up to \$750,000 over four years.*

October 3, 2011 – Sponsor: Joint Commission on National Dental Examinations

<http://www.ada.org/4168.aspx>

**This entry has been updated to reflect the correct application deadline.

IDEA Grant Program

- *The overall goal is to enhance the evaluation of those preparing to practice dentistry or dental hygiene. Expected outcomes include advances in theory, knowledge, or practice of assessment at any point along the continuum of dental education. Up to \$60,000 per year up to 3 years.*

October 3, 2011 – Sponsor: AADR

<http://www.aadronline.org/i4a/pages/index.cfm?pageid=3572>

AADR/Johnson & Johnson Healthcare Products Hatton Awards Competition

- *The AADR is entitled to send qualified individuals to compete in the 2012 IADR/Unilever Hatton Competition and Awards. These individuals will be selected on the basis of an **oral presentation competition** to be held at the 41st Annual Meeting of the AADR in Tampa, Florida on March 20, 2012. The competition is designed for junior investigators (junior, senior and post-doctoral) who exhibit potential for a productive career in dental research. Mentors are strongly urged to support and select a project for the competition that is original, well-planned, and carefully executed.*

October 7, 2011 – Sponsor: NIH

<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-11-004.html>

2012 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 14, 2011 – Sponsor: NIH

<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-11-005.html>

2012 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 14, 2011 – Sponsor: AADR

<http://www.aadronline.org/i4a/pages/index.cfm?pageid=3568>

Neal W. Chilton Fellowship in Clinical Research

- *To enable dental clinical faculty to obtain experience in clinical research. Award up to \$6,500.*

October 14, 2011 (call for nominations) – Sponsor: IADR/The Borrow Foundation

<http://www.iadr.com/i4a/pages/index.cfm?pageid=3425>

E.W. Borrow Memorial Award

- *Established to recognize and stimulate research in oral health promotion for children, with a priority for caries prevention where fluoride in different formats is utilized.*

October 14, 2011 (call for nominations) – Sponsor: IADR

<http://www.iadr.com/i4a/pages/index.cfm?pageid=3429>

IADR/AAADR William J. Gies Award

- *Given for the best paper published in the Journal of Dental Research during the preceding year. Nominations are made by individuals, by the Gies Award Committee, and by the Editor of the JDR. Most IADR/AAADR awards are restricted to certain disciplines of research, but the JDR Gies Award is one of the few open to anyone who publishes in the Journal of Dental Research.*
- *The award consists of a \$1000 cash prize and a plaque which will be presented during either the Opening Ceremonies of the 41st Annual Meeting of the AADR in Tampa, Florida, March 20, 2012 or Opening Ceremonies of the 90th General Session & Exhibition of the IADR in Rio de Janeiro, Brazil, on June 20, 2012*

October 27, 2011 – Sponsor: NIH-NIDCR

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-12-003.html>

Collaborative Research on the Transition From Acute to Chronic Pain: New Models and Measures in Clinical and Preclinical Pain Research

- *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;
 - discover biological and behavioral mechanisms that drive the transition from an acute pain state to a chronic dysfunctional pain condition;
 - develop new clinical and preclinical models and measures of pain that will be essential to identify and characterize these mechanisms.
- Studies that involve considerable risk but with the potential for breakthroughs in the field are strongly encouraged.*

November 1, 2011 (Letter of Intent due, Proposal due December 1, 2011) – Sponsor: PCORI (Patient Centered Outcomes Research Institute)

<http://www.pcori.org/funding-opportunities/pcori-funding-announcement-pilot-projects-grants/>

Pilot Project Grants

- The purpose of the Pilot Projects Grants Program is to inform PCORI's ongoing development and enhancement of national priorities for patient-centered outcomes research, support the collection of preliminary data that can provide a platform for an evolving research agenda, and support the identification of research methodology to advance PCORI.

November 15, 2011 – Sponsor – NIH-NIDCR

<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-11-012.html>

Economic Research on Incentives for Efficient Use of Preventive Services

- Solicits economic research on the role of incentive arrangements in promoting efficient use of preventive services and interventions, specifically considering both costs and health outcomes. The objective of the research program is to advance general knowledge about how incentives can be structured to improve both health and cost outcomes through more efficient use of preventive services; it is not primarily to advance specific knowledge about any particular preventive intervention or prevention of any particular health condition

November 18, 2011 (Letter of Intent due) – Sponsor: NSF

<http://ora.ra.cwru.edu/ospa/funding/nsfinstrumentation.cfm>

NSF Major Instrumentation Grant

- **This is a limited submission. Please see the website above for more details about application.**
- The Major Research Instrumentation Program (MRI) serves to increase access to shared scientific and engineering instruments for research and research training in our Nation's institutions of higher education, museums, science centers, and not-for-profit organizations. This program especially seeks to improve the quality and expand the scope of research and research training in science and engineering, by providing shared instrumentation that fosters the integration of research and education in research-intensive learning environments.

November 17, 2011 – Sponsor: Bill and Melinda Gates Foundation

<http://www.grandchallenges.org/Explorations/Pages/ApplicationInstructions.aspx>

Grand Challenges Exploration – Round 8

- Grand Challenges Explorations is an extension of the Grand Challenges in Global Health initiative. Both initiatives focus on encouraging innovation in global health research, although the Explorations grants targets smaller projects that are at an earlier stage of discovery. Topics for Round 8 include:
 - Protect Crop Plants from Biotic Stresses From Field to Market
 - Design New Approaches to Optimize Immunization Systems
 - Explore New Solutions in Global Health Priority Areas
 - Explore Nutrition for Healthy Growth of Infants and Children
 - Apply Synthetic Biology to Global Health Challenges

November 29, 2012 – Sponsor: NIH-NIDCR

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-12-004.html>

Functional Restoration of Salivary Glands

- The goal of this initiative is to stimulate multidisciplinary research in the development of models and tools for repairing and restoring damaged salivary gland function. This FOA seeks a variety of approaches for restoration of salivary gland function, including repair and regeneration of the host salivary gland, and replacement of a diseased or damaged gland with a bioengineered gland.

December 5, 2011 – Sponsor: IADR/Academy of Osseointegration

<http://www.iadr.com/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 5, 2011 – Sponsor: IADR/GlaxoSmithKline

<http://www.iadr.com/i4a/pages/index.cfm?pageid=3426>

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 5, 2011 – Sponsor: IADR/Colgate Palmolive Company

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

Community-Based Research Award

- 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.

January 12, 2012 (Letter of Intent (not required, but encouraged) due December 12, 2012) – Sponsor – NIH

<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-11-006.html>

NIH Director's Transformative Research Award

- The NIH Director's Transformative Research Awards fund big, bold, paradigm-shifting science. Investigators from any discipline that supports the NIH mission can apply. Total annual costs can be as high as \$25 million. Intended to fund projects that tend to be inherently risky that typically don't fare as well in traditional NIH review. If you apply, you will be asked to focus your research strategy on the significance and innovation of the idea, and there is no expectation for providing preliminary data.

January 13, 2012 – Sponsor: IADR/Colgate Palmolive Company

<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 support their attendance at the IADR General Session. The objective of this award program is to encourage young investigators to undertake research in the prevention of oral diseases and to facilitate their presentation of this work to the international dental and oral health research community.
- To apply you must select the IADR/Colgate Research in Prevention Travel Awards and fill out the eligibility requirements when submitting your abstract for the 90th General Session & Exhibition in Rio de Janeiro, Brazil, June 20-23, 2012, by the **January 13, 2012** abstract deadline. **Applicants MUST be members of the IADR (including student members) at the time of abstract deadline**

January 13, 2012 – Sponsor: IADR/Heraeus
<http://www.iadr.com/i4a/pages/index.cfm?pageid=3845>
Heraeus Travel Award

- The IADR is inviting applications from young investigators who have submitted an abstract which has a dental materials component for a travel award to support their attendance at the IADR General Session in 2012. The objective of this award program is to encourage young investigators to undertake research in new/innovative testing methods of dental materials, and new ideas and approaches to improve and develop dental materials.

January 13, 2012 – Sponsor: IADR/Lion Corporation
<http://www.iadr.com/i4a/pages/index.cfm?pageid=3427>
Lion Dental Research Award

- Intended to support improvements in oral health sciences through the stimulation of junior researchers by:
 - recognition of outstanding and innovative research in basic dental science for the improvement of public dental health
 - recognition of applied research achievements for improvement and development of oral care products for the prevention or oral diseased

January 15, 2012 – Sponsor: CWRU CTSC
http://casemed.case.edu/ctsc/researchers/funding_info.cfm?funding_id=8
CTSC Annual Pilot Funds Competition

- The Clinical and Translational Science Collaborative (CTSC) of Case Western Reserve University and the Case Coulter Translational Research Partnership (CCTRP) is accepting letters of intent for 2012 CTSC Annual Pilot Grant Funding. The grant will fund up to \$50,000 to support innovative translational research projects focused upon the invention, preclinical development and/or first in man studies of novel therapeutic agents, biomedical devices and diagnostics designed to address unmet clinical needs.

January 18, 2012 – Sponsor: - NIH
<http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-12-130.html>
Basic Research on Decision Making: Cognitive, Affective, and Developmental Perspectives (R01)

- Encourages research grant applications that propose to increase understanding of the basic cognitive, affective, motivational, and social processes that underlie decision making across the lifespan. This includes an appreciation of the interactions among the psychological, neurobiological, and behavioral processes in decision making. It also includes consideration of the mediating and/or moderating influences of genetics, physiology, the social environment, and culture.

January 24, 2012 – Sponsor – NIH
<http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-12-001.html>
Lasker Clinical Research Scholars

- Solicits applications for the Lasker Clinical Research Scholars Program, for the purpose of supporting the research activities during the early stage careers of independent clinical researchers. The program offers the opportunity for a unique bridge between the NIH intramural and extramural research communities, and contains two phases. In the first phase, Lasker scholars will receive appointments for up to 5-7 years as tenure-track investigators within the NIH Intramural Research Program with independent research budgets. In the second phase, successful scholars will be eligible to apply for up to 5 years of NIH support for their research at an extramural research facility; or, the scholar can be considered to remain as an investigator within the intramural program.

February 1, 2012 – Sponsor: PhRMA Foundation
**This entry has been updated to reflect correct application deadline
http://www.phrmafoundation.org/index.php?option=com_award&task=sdetail&id=16
Research Starter Grant – Health Outcomes

- Offers financial support to individuals beginning their independent research careers at the faculty level. The program provides a research grant of \$60,000 for one year. 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. See site for more details.

February 1, 2012 – Sponsor: PhRMA Foundation
http://www.phrmafoundation.org/index.php?option=com_award&task=sdetail&id=16
**This entry has been updated to reflect the correct application deadline.
Research Starter Grant – Health Outcomes

- Offers financial support to individuals beginning their independent research careers at the faculty level. The program provides a research grant of \$60,000 for one year. 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. See site for more details.

March 19, 2012 – Sponsor: NIH
R01 Announcement: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-12-011.html>
R21 Announcement: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-12-012.html>
Molecular Characterization of Salivary Gland Tumors

- Solicits applications to enhance basic and translational research on salivary gland tumors by supporting studies in a) the application of systematic, comprehensive, and data-rich “omics” approaches to define the molecular signatures of salivary gland tumors; and b) the development of relevant mouse models to study the onset and progression of tumor pathogenesis and preclinical testing of potential therapeutics.

March 21, 2012 – Sponsor: NIH
<http://grants.nih.gov/grants/guide/pa-files/PA-12-017.html>
Shared Instrumentation Grant 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.

April 15, 2012 – Sponsor: Delta Dental Foundation
<http://www.deltadentalmi.com/About/Giving-Back/Delta-Dental-Foundation/Delta-Dental-Foundation-Grants/Research-Grant.aspx>

- Research Grant: Fosters research related to oral health, especially research which could have direct clinical application with significant potential for reducing treatment costs along with improving oral health. Funding up to \$30,000.

June 4, 2012 – Sponsor – NIH

<http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-12-003.html>

NIMHD Social, Behavioral, Health Services, and Policy Research on Minority Health and Health Disparities (R01)

- The purpose of this Funding Opportunity Announcement (FOA) is to solicit innovative social, behavioral, health services, and policy research that can directly and demonstrably contribute to the elimination of health disparities. Projects may involve primary data collection or secondary analysis of existing datasets. Projects that examine understudied health conditions; examine the effectiveness of interventions, services, or policies for multiple health disparity populations; and/or directly measure the impact of project activities on levels of health disparities are particularly encouraged.

June 5, 2012 – Sponsor – NIH

<http://grants.nih.gov/grants/guide/pa-files/PA-12-158.html>

NLM Administrative Supplements for Informationist Services in NIH-funded Research Projects

- The National Library of Medicine, in conjunction with NIH Institutes and Centers (ICs) named above, announces an Administrative Supplement opportunity available to eligible NIH awardees with active R01 grants and, in some cases, with active P01, P30, P50 and U01 grants (see details below)
- These administrative supplements provide funds to supported research and center grants in order to enhance the storage, organization, management and use of electronic research data through the involvement of informationists, also known as in-context information specialists.
- The purposes of this administrative supplement program are (1) to enhance collaborative, multi-disciplinary basic and clinical research by integrating an information specialist into the research team in order to improve the capture, storage, organization, management, integration, presentation and dissemination of biomedical research data and (2) to assess and document the value and impact of the informationist's participation.

June 5, 2012 (and subsequent R01 dates) – Sponsor: AHRQ

<http://grants.nih.gov/grants/guide/notice-files/NOT-HS-11-014.html>

Priority Populations Research

*****NOTE: This AHRQ announcement is not limited to the R01 mechanism.**

All open AHRQ FOA mechanisms are available for this announcement***

- R01 Funding Mechanism: AHRQ encourages grant applications that propose research that focuses on the health care for AHRQ priority populations with specific emphasis in the following areas:
 - Explaining disparities in health care and clinical practice;
 - Implementation of research and interventions that aim to reduce disparities in priority populations and settings;
 - Addressing known gaps in research dealing with priority populations;
 - Development of methods to address the heterogeneity of priority populations, small sample sizes and to improve outcomes for priority populations in AHRQ sponsored research;
 - Research on cross cutting issues involving multiple priority population groups and settings (for example, disabled children, minority women, rural maternal and child health, etc);
 - Development of innovative service delivery models for settings in which priority populations receive care.

June 11, 2012 - Sponsor - DHHS

<https://www.grantsolutions.gov/gs/preaward/previewPublicAnnouncement.do?id=14348>

Disease Prevention and Health Promotion Scholarship Program

- This project seeks to provide disease prevention and health promotion educational and training opportunities for the interdisciplinary field of public health.

June 11, 2012 – Sponsor – NIH

<http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-12-004.html>

NIMHD Basic and Applied Biomedical Research on Minority Health and Health Disparities (R01)

- This funding opportunity announcement (FOA) is issued by the National Institute on Minority Health and Health Disparities (NIMHD) to solicit innovative grant applications on:
 - Biological and genetic research to explore disease mechanisms or pathways that influence health outcomes in minority and health disparity populations
 - Clinical and translational research linking basic science discovery with effective treatment or clinical practice
- The overall goal of this initiative is to enhance understanding of fundamental biological mechanisms involved in disease conditions and develop therapies or interventions that can directly or demonstrably contribute to the elimination of health disparities. Biological, genetic, clinical and translational research projects investigating the etiology, physiology, genetic risk factors, molecular pathways, gene-environmental interactions, pharmacogenomic and personalized medicine in health disparity populations are particularly encouraged.

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

<http://grants.nih.gov/grants/guide/pa-files/PA-09-256.html>

NIDCR Dentist Scientist Pathway to Independence Award (K99/R00)

- NIDCR is introducing a modified program, specifically for recent DDS/PhD graduates. The purpose is to ensure that dual degree dentist scientists receive sufficient mentoring and protected research time necessary to allow them to successfully transition to independent researchers. The mentored K99 phase is required to last for the full two year award duration. In addition, recipients may receive clinical specialty training during the R00 phase, which may be extended for up to five years. Funding cannot be used to for specialty training.

June 15, 2012 – Sponsor – W. M. Keck Foundation

<http://ora.ra.cwru.edu/ospa/funding/Keck.cfm>

- The W.M. Keck Foundation strives to fund endeavors that are distinctive and novel in their approach. It encourages projects that are high-risk with the potential for transformative impact. "High-risk" comprises a number of factors, including questions that push the edge of the field, present unconventional approaches to intractable problems, or challenge the prevailing paradigm. **THIS IS A LIMITED SUBMISSION OPPORTUNITY. PLEASE READ THE INSTRUCTIONS DETAILED AT THE FOLLOWING LINK - <http://ora.ra.cwru.edu/ospa/funding/limited2.cfm>.**

July 9, 2012 - Sponsor: STERIS Corporation through CWRU Division of Infectious Diseases

<http://www.case.edu/med/id/index.html>

- Funds from STERIS Corporation will provide seed money to faculty to foster research in emerging and healthcare-associated infections. Grants, not to exceed \$37,500 direct costs each, will be awarded to investigators who intend to gather preliminary data to be used in seeking future independently funded awards. Basic science applications are encouraged but should have a clear translational component related to the themes of this request for application. Up to four grants annually will be awarded. At least one of these awards will be targeted directly to STERIS' interests. For more information please contact Martha Salata at mks18@case.edu.

July 15, 2012 – Sponsor: Oral and Maxillofacial Surgery Foundation

<http://www.omsfoundation.org/page.aspx?pid=349>

Offers four grants (appear to be annual):

- Research Support Grant: One year award of up to \$75,000 to further the development of experienced investigators committed to problems related to OMS.
- Student Research Training Award: Supports a project of up to \$2500. Requires support from the applicant's institution.
- Zimmer Award: Offers \$55,000 to an experienced investigator whose research is focused on implantology.

- Practitioner Innovation Award: \$5,000 to encourage those in private practice to develop a technique or therapy applicable to clinical practice. One year award.

July 23, 2012 (CWRU Internal Deadline) – Sponsor: Searle Scholars Program
<http://ora.ra.cwr.edu/ospa/funding/searlescholars.cfm>

- Case Western Reserve University is invited to submit applications for the 2013 Searle Scholar Program competition. The Searle Scholars Program makes grants to selected universities and research centers to support the independent research of exceptional young faculty in the biomedical sciences and chemistry. This limited funding opportunity is for assistant professors in a tenure-track appointment pursuing independent research careers in biochemistry, cell biology, genetics, immunology, neuroscience, pharmacology, and relevant areas in chemistry, medicine, and the biological sciences. Amount of Funding: \$100,000 per year for 3 years (\$300,000 total). **THIS IS A LIMITED SUBMISSION – ONLY TWO(2) PROPOSALS ARE ALLOWED FROM CWRU.**

August 1, 2011 – Sponsor: American Academy of Implant Dentistry Research Foundation
http://www.aaid.com/research_foundation/Grants_and_Activities.html

Research Grant

- Intended to provide limited support for meritorious dental implant research projects which include, but are not limited to, the following purposes:
 - To conduct research which determines the feasibility of a larger research project. This may be described as the conduct of pilot studies of venture research.
 - To develop and test new techniques and procedures.
 - To carry out a small clinical or animal research project.
 - To analyze existing data.
- Up to \$25,000 over 2 years

Due Date Determined by Institute – 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.**

Due Date Determined By Institute – Sponsor – NIH
<http://grants.nih.gov/grants/guide/pa-files/PA-12-100.html>

Administrative Supplements to Existing NIH Grants and Cooperative Agreements

- Funds may be available for administrative supplements to meet increased costs that are within the scope of the approved award, but that were unforeseen when the new or renewal application or grant progress report for non-competing continuation support was submitted. Applications for administrative supplements are considered prior approval requests (as described in Section 8.1.2.11 of the NIH Grants Policy Statement) and will be routed directly to the Grants Management Officer of the parent award. **All applicants are strongly encouraged to discuss potential funding requests with their Program Officer at the NIH.**

August 14, 2012: Sponsor: Vilcek Foundation
<http://www.vilcek.org/prizes/creative-promise/biomedical-science.html>

The Vilcek Prize for Creative Promise in Biomedical Science

- The Vilcek Foundation will award three prizes of \$35,000 each to young foreign-born biomedical scientists who demonstrate outstanding early achievement. Eligible work may be in basic, applied, and/or translational biomedical science. See site for eligibility requirements.

August 20, 2012 (Internal Deadline) – Sponsor: Pew Charitable Trust
<http://ora.ra.cwr.edu/ospa/funding/pewscholars.cfm>

Pew Scholars in Biomedical Sciences

- The Pew Scholars Program supports assistant professors of outstanding promise in science relevant to the advancement of human health. The award provides \$240,000 in flexible support - \$60,000 per year for a four-year period. In 2013, the Pew Charitable Trusts will name 22 Pew Scholars.
- This is a limited submission opportunity. Internal deadline is for Case review of all applications to select one application for submission. The successful nominee (notified by September 4) will then have until October 25, 2012 to submit a final application to the sponsor.

September 1, 2012 (Letter of Intent) – Sponsor: British Society of Periodontology annual July 1 deadline
<http://www.bsperio.org.uk/awards.htm#wf>

The Sir Wilfred Fish Research Prize

- Awarded annually by the British Society of Periodontology, with object of encouraging researchers in the early stages of their career. The Prize takes the form of a cash award of £1000 together with a certificate. The Research Prize is open to members and non-members of the Society and to international competition.

September 18, 2012 – Sponsor: NIH-NIDCR

R01 FOA: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-12-006.html>

R21 FOA: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-12-007.html>

- The objective of this FOA is to support effectiveness research to inform prioritization of evidence-based treatment for patients with disorder or disease-related compromised oral health, and suggest appropriate adaptations (in timing, frequency, procedure or material) of recommended preventive and restorative guidelines for these patients. This will not support epidemiological studies of disease prevalence without assessment of treatment outcomes. It also will not support randomized clinical trials.
- The purpose is to stimulate research that addresses gaps in our knowledge of how best to treat the oral diseases of medically compromised patients, to identify risk factors that further compromise treatment outcomes in these selected patient groups, and to generate evidence for treatment guidelines.

September 21, 2012 – Sponsor – NIH
<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-12-017.html>

NIH Director's Transformative Research Awards (R01)

- The NIH Director's Transformative Research Awards complements NIH's traditional, investigator-initiated grant programs by supporting individual scientists or groups of scientists proposing groundbreaking, exceptionally innovative, original and/or unconventional research with the potential to create new scientific paradigms, establish entirely new and improved clinical approaches, or develop transformative technologies. Little or no preliminary data are expected. Projects must clearly demonstrate the potential to produce a major impact in a broad area of biomedical or behavioral research.

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 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.*

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.*

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 3, 2012 – Sponsor: Weatherhead Institute for Family Medicine and Community Health (CWRU)

<http://casemed.case.edu/ctsc/funding/urbanhealth.cfm>

- *CWRU School of Medicine makes funds available for grants available to address urban health issues through University-Community partnerships. Proposals should translate research finding to improve health conditions that exist or are exacerbated through residence in a local distressed area; and/or should improve community health while increasing the preparedness of health professionals to address urban health.*

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 14, 2012 – Sponsor: CWRU ACES+ Program

<http://www.case.edu/admin/aces/opportunity.html>

Advance Opportunity Grants

- *Through the support of President Barbara R. Snyder and Provost Bud Baeslack, ACES+, the continuation of the NSF-ADVANCE Award ACES, is now offering Advance Opportunity Grants. All faculty members are eligible to apply for these grants which provide small amounts of supplemental support of current or proposed projects and activities where funding is difficult to obtain through other sources.*

December 18, 2012 – Sponsor: Robert Wood Johnson Foundation

http://pweb1.rwjf.org/applications/solicited/cfp.jsp?ID=21411&cid=XEM_A6563

Public Health Services and Systems Research

- *The Robert Wood Johnson Foundation (RWJF) seeks to expand the evidence base for effective public health policy and practice through investment in Public Health Services and Systems Research (PHSSR). PHSSR, a multi-disciplinary field of study, provides a framework for examining the organization, financing, delivery and quality of public health services within communities and the impact of those services on the health of the public. This solicitation aims to further advance the field with the ultimate goal of improving the performance and efficiency of public health agencies and their system partners and the health of the people they serve.*

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 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.

March 21, 2013 – Sponsor: NIH
<http://grants.nih.gov/grants/guide/pa-files/PA-13-008.html>
Shared Instrument Grant Program

- *The objective of the program is to make available to institutions expensive research instruments that can only be justified on a shared-use basis and that are needed for NIH-supported projects in basic, translational or clinical areas. The SIG program provides funds to purchase or upgrade a single item of expensive, specialized, commercially available instrumentation or an integrated instrument system. An integrated instrument system is one in which the components, when used in conjunction with one another, perform a function that no single component could provide. The components must be dedicated to the system and not used independently. Increase in productivity or efficiency is not sufficient justification for an integrated system.*

March 27, 2013 – Sponsor: NIH
<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-12-026.html>

Functional Epigenomics: Developing Tools and Technologies for Cell-type, Temporal, or Locus-specific Manipulation of the Epigenome (R01)

- The purpose of this FOA is to stimulate innovative research to develop novel tools and technologies that enable at least one of the following: 1. Tissue or cell-specific manipulation of epigenetic modifications or their effector molecules, 2. Temporal manipulation of the epigenome, 3. Locus-specific manipulation of the epigenome, or 4. Novel approaches that enable any combination of these three things.

April 8, 2013 (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.

April 15, 2013 – Sponsor – Delta Dental
<http://www.deltadentalmi.com/About/Giving-Back/Delta-Dental-Foundation/Delta-Dental-Foundation-Grants/Research-Grant.aspx>
DDF Research Grant

- The grant and its associated guidelines are intended to encourage investigators to develop a long-term view of support for their research, and to encourage use of DDF funding to promote the development of high-quality research in selected areas that can compete successfully for support from other sources.

They are also intended to provide for the funding of high-quality research that may be of more local interest, and therefore may be at a disadvantage in competing for funding at a national level.

May 15, 2013 (LOI) – Sponsor – Center for Decision Research

<http://newpathstopurpose.org/grants/rfp>

New Paths to Purpose

- This RFP aims to support both junior (e.g., pre-doctoral) and senior researchers in revealing hidden (e.g., unrecognized, counterintuitive, or underutilized) connections between behavioral science insights and the human experience of purpose. Specifically, we are looking to support:
 1. Purpose “Nudges” (following Thaler & Sunstein, 2008): Applied research demonstrating how basic behavioral science insights can be used in previously unrecognized or underutilized ways to create tools, interventions, etc. that help people more effectively experience (e.g., sense, adopt, pursue, fulfill) purpose.
 2. Basic research illustrating previously unrecognized or counterintuitive ways in which behavioral science phenomena (e.g., motivation and goal pursuit, attitudes and beliefs, understandings of the self and others, perception and judgment, happiness and well-being) can help to explain the ways in which people experience (e.g., sense, adopt, pursue, fulfill) purpose, or vice versa.

June 1, 2013 – Sponsor: American Association of Periodontology

<http://www.perio.org/foundation/teaching-fellowship.htm>

AAP Teaching Fellowship

- AAP Teaching Fellowships are intended to support the young periodontal educator's commitment to a career in academia by providing debt relief to qualified applicants. The \$50,000 Fellowships are given to qualified faculty members within their first three years of teaching at a U.S. periodontal training institution. Funding for AAP Teaching Fellows is provided at the end of each year of full-time teaching. Applicants may apply for the AAP Fellowships for up to three years, as long as they maintain eligibility.

June 16, 2013 (and subsequent R03 dates through September 8, 2013) – 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.

June 15, 2013 (Letter of Intent) – Sponsor: Patient-Centered Outcomes Research Institute

http://www.pcori.org/funding-opportunities/funding-announcements/funding-center/?utm_source=August+2013+Cycle+Release&utm_campaign=August+2013+Cycle+release&utm_medium=email

Assessment of Prevention, Diagnosis, and Treatment Options

- Seeking to fund projects that address critical decisions that face patients, their caregivers, and clinicians every day without adequate information. These decisions must be consequential and be occurring now without key evidence about the comparative effectiveness of two or more options. Patients/caregivers must benefit from new knowledge in ways that are clear and important.

Improving Healthcare Systems

- Inviting applications for comparative effectiveness research (CER) designed to provide information that would inform critical decisions that face healthcare system leaders, policy makers, clinicians, and the patients and caregivers who rely on them

Communication and Dissemination Research

- Seeking to fund projects that address critical knowledge gaps in the communication and dissemination process—both the communication and dissemination of research results to patients, their caregivers, and clinicians, as well as the communication between patients, caregivers, and clinicians in the service of enabling patients and caregivers to make the best possible decisions in choosing among available options for care and treatment.

Addressing Disparities

- Looking for comparative effectiveness studies that evaluate and compare new and alternative interventions with each other or with usual care to reduce or eliminate disparities in health and health care. Studies in the Addressing Disparities program should focus on overcoming barriers that may disproportionately affect the outcomes of specific groups of patients; or identify best practices for sharing results and information about patient-centered research across patient groups.

Improving Methods for Patient-Centered Outcomes Research

- In this Improving Methods for Conducting Patient-Centered Outcomes Research (PCOR) Funding Announcement (PFA), we seek studies to address gaps in methodological research relevant to conducting PCOR. Results of these studies will inform future iterations of the Methodology Committee report and its standards.

June 17, 2013 – Letter of Intent (Limited Submission) – Sponsor: Hartwell Fndn

https://research.case.edu/Funding_Ops/

Individual Biomedical Research Awards

- Case Western Reserve University has earned an at-large bid in The Hartwell Foundation's **Individual Biomedical Research Awards** program. As a result, CWRU is eligible to nominate two faculty members for proposal submission this year. The foundation funds 10 Hartwell Investigators annually for their innovative, early-stage, cutting-edge biomedical research that has the potential to benefit children. These awards provide funding to individual researchers in the U.S. for three years, at \$100,000 direct cost per year.

June 21, 2013 – Letter of Intent (Limited Submission) – Sponsor: Pew Charitable Trust

https://research.case.edu/Funding_Ops/

Pew Scholars in Biomedical Sciences

- The Pew Scholars Program supports assistant professors of outstanding promise in science relevant to the advancement of human health. The award provides \$240,000 in flexible support - \$60,000 per year for a four-year period. In 2013, the Pew Charitable Trusts will name 22 Pew Scholars.

July 9, 2013 – Sponsor – Ohio Dental Association Foundation

<http://www.oda.org/community-involvement/oda-foundation/odaf-grants-and-scholarships> (scroll down to ODAF Grants for link to pdf with application info)

ODAF Grant Program

- The ODA Foundation developed focus areas that will enable it to have an impact on the future of dentistry. Project grants will need to fulfill one of the following focus areas:
 - Facilitate learning opportunities that will impact how dentistry plans for the future
 - Support a strong dental education environment in Ohio

- Expand the pool of qualified dental auxiliaries for dental practices through educational training grants
- Fund public service projects and worthwhile initiatives suggested by ODA members, component dental societies, and ODA Councils and Committees
- Support programs that improve the image and quality of the dental profession

July 15, 2013 – Sponsor: OMFS Foundation

<http://www.omsfoundation.org/document.doc?id=372>

2013 Research Support Grant

- The purpose is to further the development of scientific investigators who are committed to problems related to oral and maxillofacial surgery and to encourage promising lines of research and clinical investigation consistent with the research priorities established by the specialty

July 18, 2013 – Sponsor: American Heart Association

http://my.americanheart.org/professional/Research/FundingOpportunities/ForScientists/National-Innovative-Research-Grant_UCM_321936_Article.jsp

National Innovative Research Grant

- To support highly innovative, high-risk, high-reward research that could ultimately lead to critical discoveries or major advancements that will accelerate the field of cardiovascular and stroke research. Research deemed innovative may introduce a new paradigm, challenge current paradigms, look at existing problems from new perspectives, or exhibit other uniquely creative qualities.

July 18, 2013 – Sponsor - NIH

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-13-019.html>

Drug Target Development and Validation for Antimicrobial-Resistant Pathogens (R21/R33)

- This initiative is designed to capitalize on the numerous potential drug targets identified through basic research on pathogenesis and the immunobiology of infectious diseases. This initiative seeks to stimulate characterization and validation of these potential therapeutic targets for early phase therapeutic discovery and development activities. Of particular interest is the development of innovative and creative assay methods and validation of potential therapeutic targets that have previously been described.

Projects eligible for support include target development for: 1) small molecule inhibitors, 2) therapeutic antibodies and peptides, and 3) adjunctive therapeutics targeting resistance mechanisms that may not perpetuate the spread of resistance.

August 1, 2013 – Sponsor: American Academy of Implant Dentistry Research Foundation

http://www.aaid.com/foundation/Grants_and_Activities.html

Research Grant

- Intended to provide limited support for meritorious dental implant research projects which include, but are not limited to, the following purposes:
 - To conduct research which determines the feasibility of a larger research project. This may be described as the conduct of pilot studies of venture research.
 - To develop and test new techniques and procedures.
 - To carry out a small clinical or animal research project.
 - To analyze existing data.
- Up to \$25,000 over 2 years

August 1, 2013 (and the first of every February, May, August, and September through August 2, 2105) – 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.

August 5, 2013 – Sponsor: NIH

STTR: <http://grants.nih.gov/grants/guide/pa-files/PA-12-193.html>

SBIR: <http://grants.nih.gov/grants/guide/pa-files/PA-12-195.html>

Imaging Diagnostics of Dental Diseases and Conditions (Caries, Periodontal Disease, Cracked Teeth, and Pulp Vitality)

- The intent of this STTR initiative is to accelerate the advanced development and clinical implementation of reliable, reproducible, highly specific and sensitive imaging diagnostic devices for dental caries, periodontal disease, cracked teeth, and pulp vitality. These new devices must demonstrate superior specificity and sensitivity compared with current diagnostic methods, such as the visual/tactile/radiographic examination for detection of caries, while not increasing health risks for patients. Approaches that could be explored include, but are not limited to: optical coherence tomography (OCT) with or without Raman spectroscopy, MRI image analysis, electrical conductivity measurement (ECM), quantitative laser fluorescence (QLF), alternating current impedance spectroscopy, multi-photon imaging, infrared thermography, infrared fluorescence (IR), ultrasound, and terahertz imaging. The development of novel modalities is also encouraged.