

Subject: FW: News from NIDCR
Date: Wednesday, June 19, 2013 10:21:19 AM CT
From: Hinojosa, Noemi O
CC: Hinojosa, Noemi O

Message forwarded from Dr. Bjorn Steffensen
Associate Dean for Research
Dental School

Thank you,

Noemi O. Hinojosa, MM, BA

Office of the Dental Dean | Phone (210) 567-3167 | Fax (210) 567-6721

From: Johnson, Susan (NIH/NIDCR) [E] [<mailto:johnsonS@od31.nidr.nih.gov>]
Sent: Wednesday, June 19, 2013 09:58 AM
To: 'nidcr-announce@list.nih.gov' <nidcr-announce@list.nih.gov>; 'dental-deans@list.nih.gov' <dental-deans@list.nih.gov>; NIDCR Associate Deans for Research <nidcr-research-deans@list.nih.gov>; NIDCR NADRC Mail List <NIDR-NADRC@email.nidr.nih.gov>; NIDCR BSC <nidr-bsc@email.nidr.nih.gov>; NIDCR Association Liaisons <nidr-assoc-liason@email.nidr.nih.gov>; 'NIDCR-Consumer-Patient-Advocacy@list.nih.gov' <NIDCR-Consumer-Patient-Advocacy@list.nih.gov>; 'nidcr-newsletter@list.nih.gov' <nidcr-newsletter@list.nih.gov>; 'D-perio@list.nih.gov' <D-perio@list.nih.gov>; NIDCR-ALL <nidr-all@email.nidr.nih.gov>
Subject: News from NIDCR

Dear Colleagues,

As summer approaches, we are adapting to life in the current environment of sequestration. I'm happy to report that we now have a clearer picture of our operating budget, and have posted NIDCR's FY 13 funding plan on our website. As always, funding for new and early stage investigators remains a high priority for us. Additional details about our funding levels are found here:

http://www.nidcr.nih.gov/GrantsAndFunding/NIDCRs_Funding_Plan/FY2013FundingPlan.htm I also call your attention to a fact sheet on the impact of sequestration on the NIH:
<http://www.nih.gov/news/health/jun2013/nih-03.htm>

In other news, NIDCR's strategic planning process is off to a great start. We have paid close attention to the recommendations voiced by you at our listening sessions and hope you will continue to share your opinions with us in the coming months as we hold additional listening sessions and invite your feedback through our web site.

Together, we will continue to make the needed research progress. I wish you all a happy summer.

Sincerely,

Martha J. Somerman, D.D.S., Ph.D.

Director

National Institute of Dental and Craniofacial Research



E-Newsletter: June 19, 2013

In this Issue:

- [NIDCR News](#)
- [NIH News](#)
- [Science Advances](#)
- [Funding Opportunity News](#)

NIDCR News

NIDCR 2014-2019 Strategic Plan Update



Development of the NIDCR 2014-2019 Strategic Plan continues. Two Strategic Plan listening sessions (one general, one training-specific) were held during the March IADR/AADR meeting in Seattle. In addition, NIDCR is hosting two roundtable discussions over the summer as part of the Strategic Planning process. One will focus on health disparities, a critical area because of persistent disparities in the health status of underserved Americans. The other will concentrate on fostering bidirectional collaborations between clinicians and researchers. An online Request for Information also will be posted on the NIDCR website, providing an opportunity for all stakeholders including clinicians, researchers, educators, patients, advocates, and members of the

public—to share their opinions about areas of research emphasis, future research approaches, and needs and opportunities. The initial framework of the Strategic Plan will be completed by fall 2013, and the Plan completed in early 2014.

NIDCR FY 2013 Funding Plan

NIDCR's FY 2013 extramural funding plan is now available at:

<http://go.usa.gov/bRdV>

The Institute plan is consistent with NIH's fiscal policy for grant awards:

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-13-064.html>

Also see NIDCR's FY 2014 Congressional Justification:

<http://go.usa.gov/bRv4>

NIDCR Director's Report to the National Advisory Dental and Craniofacial Research Council Provides NIDCR/NIH Snapshot

To learn about NIDCR programmatic news and activities, the budget, recent science advances, and NIH highlights, read the report the NIDCR Director presented at the May 21, 2013 meeting of the National Advisory Dental and Craniofacial Research Council:

<http://go.usa.gov/bRvP>

Ms. Dede Rutberg to Become New Grants Management Chief

Ms. Dede Rutberg, MBA, will become NIDCR's new Grants Management Officer and Chief, Grants



Management Branch. She replaces Ms. Mary Greenwood, who will retire at the end of July. Ms. Rutberg has served as NIDCR's Lead Grants Management Specialist since 2006. In this role she oversees the business management function for a variety of grant mechanisms (approximately 1,100 research project grants and research trainees) totaling over \$300 million. She has ensured that grant awards are processed accurately and timely and within NIH/DHHS policies and has provided expert advice to grantees and internal NIH staff on grant-related issues. Ms. Rutberg also is responsible for the workload oversight of five other grant specialists. She serves on many trans-NIH committees, including the Central Service Advisory Committee (CSAC), NIH Intern Committees, and several SBIR/STTR workgroups.

NIDCR Mourns Dr. Lynne Angerer



NIDCR is deeply saddened by the loss of Dr. Lynne Angerer, chief of NIDCR's Developmental Mechanisms Section, who died March 30 after a long illness. Dr. Angerer was a world-renowned expert in the field of developmental biology. Using sea urchins, close cousins of vertebrates, she unraveled core regulatory processes that direct the early development of animal embryos. She led her NIDCR team to numerous pioneering discoveries. Among these was the revelation that some neurons are of a gut tissue origin, differentiating de novo from cells in the gut; this finding was a challenge to prevailing dogma that nerves develop only from another embryonic tissue. Her group also found numerous unexpected complex regulatory interactions that are required to prevent most cells of the embryo from adopting neural fate (Wnt signaling). One of Dr. Angerer's major scientific accomplishments was the microarray she helped develop from the newly obtained sea urchin genome sequence, an important tool for genome-wide screens to identify genes and signaling molecules involved in early embryonic development.

development.

Dr. Angerer was an outstanding and inspiring mentor, training many graduate students and postdocs who went on to their own successful research careers. An NIH Director's Award was presented posthumously to her on June 12th in recognition of her mentoring work. Accepting the award on her behalf, Dr. Kelly Ten Hagen, chief of the NIDCR Developmental Glycobiology Section, remembered Dr. Angerer as someone who "truly cared about the people she mentored and felt personally responsible for helping them realize their full potential. Her advice and encouragement over the years has made a huge difference in my life and career."

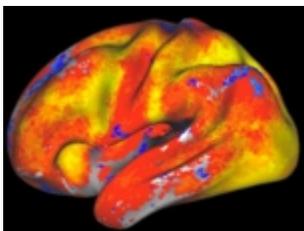
NIH News

Impact of Sequestration on the National Institutes of Health

See the new fact sheet on the impact of sequestration on the NIH:

<http://www.nih.gov/news/health/jun2013/nih-03.htm>

Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative



On April 2, President Barack Obama announced a pioneering project to explore the complex workings of the human brain: the Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative. NIH-supported scientists will be among those at the forefront of this endeavor.

The initiative promises to accelerate the invention of new technologies that will help researchers produce real-time pictures of complex neural circuits and visualize the rapid-fire interactions of cells that occur at the speed of thought. Such cutting-edge capabilities, applied to both simple and complex systems, will open new doors to understanding how brain function is linked to human behavior and learning, and the mechanisms of brain disease. The Brain Initiative is launching with approximately \$100 million in funding for research supported by the NIH, the Defense Advanced Research Projects Agency, and the National Science Foundation in the President's Fiscal Year 2014 budget. In total, NIH intends to allocate \$400 million in FY14. Given the cross-cutting nature of this project, the NIH Blueprint for Neuroscience Research—an initiative spanning 14 Institutes and Centers, including the NIDCR—will be the leading NIH contributor to its implementation in FY14.

Agency, and the National Science Foundation in the President's Fiscal Year 2014 budget. In total, NIH intends to allocate \$400 million in FY14. Given the cross-cutting nature of this project, the NIH Blueprint for Neuroscience Research—an initiative spanning 14 Institutes and Centers, including the NIDCR—will be the leading NIH contributor to its implementation in FY14.



Lasker Clinical Research Scholars Program Accepts Applications

Applications will be accepted until June 24, 2013 for the Lasker Clinical Research Scholars Program. This two-phase program supports research activities during the early stage careers of independent clinical researchers and offers a unique bridge between the NIH intramural and extramural research communities. In the first phase, Lasker scholars 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 research at an extramural research facility, or the scholar can be considered to remain as an

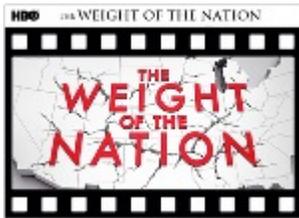
investigator within the intramural program. It is anticipated that up to 5 awards will be made each year. Over time, the program is expected to achieve a steady state of approximately 20-30 scholars. Candidates must have an MD, MD/PhD, DO, DDS, DMD, or equivalent clinical doctoral degree from an accredited domestic or foreign institution and must have a professional license to practice in the United States. NIDCR's research interest in this program is in the area of oral and craniofacial function and dysfunction. For additional information:

<http://www.nih.gov/science/laskerscholar/>

NIDCR to Participate in NIH Summer Research Experience Programs (R25)

NIDCR is one of eight NIH Institutes supporting the NIH Summer Research Experience Programs, which provide high quality research experiences for high school and college students and for science teachers during the summer academic break. The programs aim to attract young students to careers in science, provide opportunities for college students to gain valuable research experience to help prepare them for graduate school, and enhance the skills of science teachers so they can more effectively communicate the nature of the scientific process to their students. NIDCR will support summer research experiences focused on oral, dental or craniofacial research.

NIH and the Weight of the Nation



During the month of May, HBO aired three films for youths and their families entitled “The Weight of the Nation for Kids.” The family-friendly series—a collaboration among NIH, HBO and other partners—highlighted youth improving their own health and that of their communities.

May 2012 marked the premiere of the Emmy-nominated HBO documentary film series on obesity “The Weight of the Nation.” The four-part series—on Consequences, Choices, Children in Crisis, Challenges—highlighted several NIH research advances and addressed the factors contributing to our country’s obesity problem. Together, the films are the centerpiece of a public awareness campaign which also includes 12 short films, a website and social media, and a nationwide community-based

outreach effort using free film discussion guides and other tools. Additional information is found at:

<http://theweightofthenation.hbo.com/>

Dr. John Lorsch Named Director, National Institute of General Medical Sciences



NIH Director Francis S. Collins has announced the selection of Jon R. Lorsch, Ph.D., as Director of the National Institute of General Medical Sciences. Dr. Lorsch is expected to join the NIH this summer. He comes from Johns Hopkins University, where he is a professor in the Department of Biophysics and Biophysical Chemistry. As NIGMS director, Dr. Lorsch will oversee the institute’s \$2.4 billion budget, which primarily funds basic research in the areas of cell biology, biophysics, genetics, developmental biology, pharmacology, physiology, biological chemistry, biomedical technology, bioinformatics and computational biology. The institute also supports a substantial amount of research training and programs designed to increase the diversity of the biomedical and behavioral research workforce.

SCIENCE ADVANCES

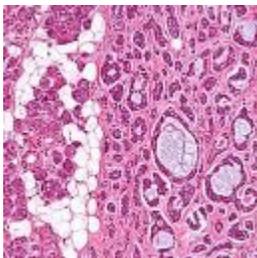


NIH Scientists Discover Molecule Triggers Sensation of Itch

Scientists have discovered in mouse studies that a small molecule released in the spinal cord triggers a process that is later experienced in the brain as the sensation of itch:

<http://go.usa.gov/bRvG>

Landscape of an Enigma



Adenoid cystic carcinoma of the salivary glands is one of the most enigmatic cancers. But researchers now have a better genomic view of this troubling tumor:

<http://go.usa.gov/bRwW>

Commensal Damage



Most oral bacteria fall into the category of commensals, microbes long thought to live peacefully in the mouth. But some commensals can turn bad, and a recent mouse study shows how it can happen:



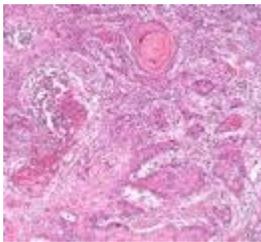
<http://go.usa.gov/bUeQ>

Pathway to Prevention



Researchers have discovered a signaling pathway that holds promise for targeted therapy of oral mucos
<http://go.usa.gov/bRwd>

Beating the Spread



Scientists have discovered a common enzyme is critical for the metastasis of squamous cell carcinor
cells:
<http://go.usa.gov/bRf3>



Heading in the Right Direction

Research into the genetics of craniosynostosis continues to progress. A recent case in p
is the gene TCF12:
<http://go.usa.gov/bRfT>

The Last SIBLING



DSPP was the last of the SIBLING proteins in evolution. Today, DSPP is the last SIBLING to be studied in
detail. But the last continues to tell a first-rate scientific story with plenty of surprises:
<http://go.usa.gov/bRf9>

FUNDING OPPORTUNITY NEWS

PROGRAM ANNOUNCEMENTS

Gene Studies

Title	NIH Guide	PA Number	NIDCR Contact	Expiration Date
NIDCR Small Research Grants for Secondary Analysis of FaceBase Data (R03)	4/02/13	PAR-13-178	Steven Scholnick 301-594-3977	9/08/13

Health Disparities

Title	NIH Guide	PA Number	NIDCR Contact	Expiration Date
Native American Research Centers for Health (NARCH) (S06)	5/31/13	PAR-13-239	Ruth Nowjack-Raymer 301-594-5394	8/07/13

Research Mechanisms

Title	NIH Guide	PA Number	NIDCR Contact	Expiration Date
NIDCR Small Research Grants for Secondary Analysis of FaceBase Data (R03)	4/02/13	PAR-13-178	Steven Scholnick 301-594-3977	9/08/13

Small Business

Title	NIH Guide	PA Number	NIDCR Contact	Expiration Date
Reissue PHS 2013-02 Omnibus Solicitation of the NIH for Small Business Technology Transfer Grant Applications (Parent STTR [R41/R42])	5/30/13	PA-13-235	R. Dwayne Lunsford 301-594-2421	1/08/14
Reissue PHS 2013-02 Omnibus Solicitation of the NIH, CDC, FDA and ACF for Small Business Innovation Research Grant Applications (Parent SBIR [R43/R44])	5/30/13	PA-13-234	R. Dwayne Lunsford 301-594-2421	1/08/14

REQUESTS FOR APPLICATIONS

Behavioral/Social Science Research

Title	NIH Guide	RFA Number	NIDCR Contact	Applica Rece Dat
Research on the Role of Epigenetics in Social, Behavioral, Environmental and Biological Relationships, throughout the Life-Span and across Generations (R21)	5/17/13	RFA-TW-13-002	David Clark 301-594-4814	11/13/1
Short Courses on Innovative Methodologies in the Behavioral and Social Sciences (R25)	5/03/13	RFA-OD-13-009	Melissa Riddle 301-451-3888	11/14/1
Limited Competition: Revision Applications for Basic Behavioral Research on the Social, Cultural, Biological, and Psychological Mechanisms of Stigma (R01)	3/20/13	RFA-MD-13-005	David Clark 301-594-4814	8/02/13

Cancer

Title	NIH Guide	RFA Number	NIDCR Contact	Applicatio Receipt Da
Functional Characterization of Oral Cancer Initiating Cells (R01)	3/27/13	RFA-DE-14-001	Sundar Venkatachalam 301-594-4812	8/15/13
Functional Characterization of Oral Cancer Initiating Cells (R21)	3/27/13	RFA-DE-14-002	Sundar Venkatachalam 301-594-4812	8/15/13

Gene Studies

Title	NIH Guide	RFA Number	NIDCR Contact	Applica Rece Dat
FaceBase 2: Craniofacial Development and Dysmorphology -Dataset, Tool, and Resource Development (U01)	4/05/13	RFA-DE-14-004	Steven Scholnick 301-594-3977	8/22/13
FaceBase 2: Craniofacial Development and Dysmorphology - Data Management and Integration Hub (U01)	4/05/13	RFA-DE-14-005	Steven Scholnick 301-594-3977	8/22/13

Microbiology

Title	NIH Guide	RFA Number	NIDCR Contact	Applica Rece Dat
Innovative Approaches and Technologies for Examining the Uncultivable Bacteria of the Oral Microbiota (R01)	5/20/13	RFA-DE-14-003	R. Dwayne Lunsford 301-594-2421	9/18/13

Research Mechanisms

Title	NIH Guide	RFA Number	NIDCR Contact	Applica Rece Dat
NIH Administrative Supplements to Recover Losses Due to Hurricane Sandy Under the Disaster Relief Appropriations Act - Non-Construction (Admin Supp)	4/15/13	RFA-OD-13-199	Lillian Shum 301-594-0618	6/12/13 9/27/13

NOTICES

Title	NIH Guide	Notice Nur
NIH Announces an Adjustment to Transition Timeline for Electronic Submission of Multi-Project Applications	5/30/13	NOT-OD-13
NIH to Require Use of Updated Electronic Application Forms for Due Dates on or after September 25, 2013	5/30/13	NOT-OD-13
HHS Reissues PHS 2013-02 SBIR and STTR Omnibus Grant Solicitations Implementing Venture Capital Provision and SBA Company Registry Requirement of the SBIR/STTR Reauthorization Act of 2011	5/30/13	NOT-OD-13
Reminder of Lobbying Prohibition on Federal Funds for All NIH-Supported Institutions	5/24/13	NOT-OD-13
NIH Fiscal Policy for Grant Awards - FY 2013	5/08/13	NOT-OD-13
NIH Reminds Grantee Institutions of the Requirement to Use the Research Performance Progress Report (RPPR) for All SNAP and Fellowship Progress Reports for Awards with Start Dates On or After July 1, 2013	4/19/13	NOT-OD-13
Notice of Clarification of the Funded Extension Option in RFA-OD-13-199 "NIH Administrative Supplements to Recover Losses Due to Hurricane Sandy Under the Disaster Relief Appropriations Act -Non-Construction (Admin Supp)"	4/17/13	NOT-OD-13
Discontinuation of Form Using the 1977 Office of Management and Budget (OMB) Racial Standards	4/16/13	NOT-OD-13
Notice Regarding Upcoming Changes in Eligibility for PAR-12-283 "NIDCR Dentist Scientist Pathway to Independence Award (K99/R00)"	4/11/13	NOT-DE-13
Reminder of NIH's Policy for Handling Electronic System Issues that Threaten On-Time Grant Application Submission	4/09/13	NOT-OD-13
FAQs for Costing of NIH-Funded Core Facilities	4/08/13	NOT-OD-13
Notice of Information on the Reissuance of Funding Opportunity Announcement "NIH Pathway to Independence Award (Parent K99/R00)	3/22/13	NOT-OD-13

We encourage you to distribute this newsletter to any colleagues whom you think may be interested. If someone forwarded this to you and you would like to receive future copies, please click here:

<http://list.nih.gov/cgi-bin/wa.exe?SUBED1=nidcr-newsletter&A=1>

Thank you.

[National Institute of Dental and Craniofacial Research](#)
National Institutes of Health
Bethesda, MD 20892-2190

301-496-4261

