

News for the School of Dental Medicine Research Community May 2011

Distributed via email on May 3, 2011

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Protecting Sensitive Data

Friday, May 6 from 12:00-1:00 in the Toepfer Room, Adelbert Hall

Boyd Kumher, University Compliance Officer, and Mark Herron, Information Assurance Analyst, will discuss the steps required to appropriately safeguard sensitive information. Sensitive information is information that contains an element of confidentiality. Sensitive information requires a high level of protection from loss, misuse, and unauthorized access or modification. This presentation will cover pertinent guidelines, procedures and practices for ensuring the integrity and security of sensitive information. No RSVP required. Seating is first come-first served. Please feel free to bring a brown bag lunch.



If you are interested in this presentation but are not able to make it to Adelbert on May 6th, please send an email to dentres@case.edu indicating your interest. If we have enough of a response, Boyd Kumher has offered to repeat this presentation at the SODM at a later date.

Looking for a Database for your Project?

Try REDCap (Research Electronic Data Capture). The Clinical and Translational Science Collaborative offers the application free of charge. REDCap is a secure web application for building and managing online surveys and databases. Using a stream-lined process for developing projects, create and design projects using 1) the online method from your web browser; and/or 2) the offline method by constructing a 'data dictionary' template file in Microsoft Excel, which can be later uploaded into REDCap. Both surveys and databases can be built. REDCap provides audit trails, and automated export procedures to Excel, PDF, and common statistical packages (SPSS, SAS, Stata, R). Also included are a project calendar, a scheduling module, ad hoc reporting tools, and advanced features, such as branching logic, file uploading, and calculated fields.

For more information and to see a demo of REDCap, contact Sheree Hemphill (DCRU Informatics Manager) at sheree.hemphill@case.edu. More information can also be found online at: http://project-redcap.org/.

NIH Update

What's new at the NIH? Below is a summary of important notices issued over the past month.

- Adobe B1 Forms for Electronic Submissions
 - For deadlines after May 7, all applicants will be required to use ADOBE-FORMS-B1 forms. Read the full announcement at http://grants.nih.gov/grants/guide/notice-files/NOT-OD-11-007.html. EXCEPTIONS: Applicants submitting for the following NIH programs must use ADOBE-FORMS-B1 packages for deadlines on or after January 25, 2011: Individual Research Career Development Award Programs (Ks), Institutional Training and Career Development Programs (Ts and Ds), or Individual National Research Service Awards (Fs). For more information, see the Guide Notice at http://grants.nih.gov/grants/guide/notice-files/NOT-OD-11-008.html.
- Updated Pre- and Post-Doctoral Stipend Levels
 - The NIH has issued new stipend levels for FY11. Please find the updated stipends at http://grants.nih.gov/grants/guide/notice-files/NOT-OD-11-067.html. Please use these levels for all proposal budgets effective immediately.

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!

List of Funding Opportunities

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

Educational Opportunities

Effective Interpersonal Communication

On May 12 from 8:30 – 11:00, CAPS will present this class that provides an overview of core elements of communication and allows participants to informally assess their own communication skills. Participants will also gain tools for increasing their communication competency and ability to manage conflict. The class is scheduled to be held in room NOA 060. Breakfast will be provided courtesy of the SODM. Please register through the CAPS website, http://www.case.edu/training/caps/registration.html.

<u>Introduction to Clinical Research – CRSP 401</u>

The Clinical Research Scholars Program is pleased to announce the 11th annual Introduction to Clinical Research summer course. The course will cover a wide range of topics such as designing and evaluating studies, large databases, translational research, and many more. For more information, including registration instructions and a more detailed listing of class topics, please visit the CRSP site - http://casemed.case.edu/CRSP/401.cfm. The course begins July 5.

Introduction to R. Programming – CRSP 406

Dates: July 27 - August 31, 2011

Schedule: Monday & Wednesday, 9:00-11:50 a.m. Location: Wolstein Research Building, Room 1403

This course will introduce students to programming within R. Major topics will include session management, R data structures, indexing and conditional selection, combining and restructuring data frames, data aggregation, reading and writing data, basic statistical functions, and R traditional graphics. Students will also learn R programming conventions as they relate to preparing data for statistical analysis. Small research datasets will be used in class examples and in homework assignments. Each class will include a demonstration of new concepts followed by a computer lab with exercises designed to reinforce the concepts introduced. Further questions about the course should be directed to Natalie Milone at 216-368-2601, nac48@case.edu.

Innovation and Entrepreneurship – CRSP 503

Suggested audience: physicians, clinical researchers, research post-doctoral trainees, NIH K23 awardees Dates: June 27 and 29, 8:00 a.m.-6:00 p.m

The purpose of this module is to acquaint and ultimately engage clinical researchers with the business of innovation and entrepreneurship. Goals include: (1) to provide researchers with many of the skills that they would need to translate academic research into commercial uses; (2) to sensitize clinical researchers to the goals of the business community and facilitate their ability to work with the private sector on technology development; and (3) to make clinical researchers aware of the processes of academic technology development and transfer. Sessions consist of lectures and case discussion facilitated by the instructor. Further questions about the course should be directed to Natalie Milone at 216-368-2601, nac48@case.edu

Comparative and Cost Effectiveness Research – EPBI 467

Suggested audience: physicians, clinical researchers, residents, fellows, research post-doc trainees, NIH K23 awardees This course will enable the student to explain what comparative effectiveness research is, identify limitations of CER, describe its impact on quality control and health care delivery systems, and provide a basis for analyzing journal articles on the subject. A sample syllabus follows this newsletter. Please contact Natalie Malone at 368-2601 or nac48@case.edu with any questions.

Summer Grant Writing Course

PSCL 453: Critical Thinking in Research – Offered June 6 to August 1, taught by Dr. Joseph Fagan. The course will go through the process of preparing a proposal from concept to the final document. For more information on the class, please visit http://www.case.edu/summer/fagan.html.

<u>All About Grants Podcasts from the NIH</u>: 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 topics from those who live and breathe the information. The podcasts are in mp3 and updated every other week on the NIH OER site: http://grants.nih.gov/podcasts/All About Grants/index.htm

New in April: "Including All in Clinical Research" and "Budget Basics"

Funding Opportunities of Interest

Listed by application deadline date
Last Sent Out via Email: 5/2/2011
Updates since last email are highlighted in yellow

May 25, 2011 (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 (June 5, October 5) and R03 (June 16, October 16) mechanisms

- AHRQ encourages grant applications that propose research that focuses on minority women in health services research designed to:
 - Improve clinical practice;
 - o 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

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=&N C=&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.

<u>June 5, 2011 (October 5, 2011)</u> – <u>Sponsor</u>: 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.

June 5, 2011 (October 5, 2011) - 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.

<u>June 5, 2011 (October 5, 2011)</u> – <u>Sponsor</u>: 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.

June 5, 2011 (October 5, 2011) - 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:
 - o Understand, control, and manipulate cellular process of orofacial structures (e.g. tooth, salivary glands, bone, muscles);
 - o Develop new materials with novel properties for the repair of tooth decay and periodontal disease;
 - o Develop new technologies for the study and the prevention of oral biofilm formation.

<u>June 5, 2011 (October 5, 2011)</u> – <u>Sponsor</u>: 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 12, 2011 (and subsequent standard K-award due dates) - Sponsor - NIH

http://grants2.nih.gov/grants/guide/pa-files/PA-10-063.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.

http://grants.nih.gov/grants/guide/pa-files/PAR-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, 2011 – Sponsor - Osteology Foundation

http://www.osteology.org/de/granting/application/guidelines.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. Second annual deadline is December 1.

June 16, 2011 - 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.

June 16, 2011 - 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

June 16, 2011 (October 16, 2011) - 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.

June 16, 2011 (October 16, 2011) - 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.

June 16, 2011 (October 16, 2011) - 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;
 - o Develop new technologies for the study and the prevention of oral biofilm formation.

<u>June 16, 2011 (October 16, 2011)</u> – 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.

<u>July 1, 2011</u> – 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.

<u>July 15, 2011</u> – <u>Sponsor</u>: Oral and Maxillofacial Surgery Foundation <u>http://www.omsfoundation.org/Page.aspx?pid=349#applying</u>

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.

<u>August 1, 2011</u> (*Letter of Intent due*) - <u>Sponsor</u>: 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.

<u>August 1, 2011</u> – <u>Sponsor</u>: American Academy of Implant Dentistry Research Foundation http://www.aaid.com/research foundation/Grants and <u>Activities.html</u>

• Provides limited support for dental implant research projects - priority to small clinical projects or pilot studies that have potential for future funding. \$10,000 over two years.

<u>August 18, 2011</u> – <u>Sponsor</u>: American Association of Endodontists <u>http://www.aae.org/foundation/grants_awards/fdnresearchgrant/</u>

• 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.

<u>August 31, 2011</u> – Sponsor: International Team for Implantology Foundation <a href="http://www.iti.org/?a=1&t=0&y=3001&r=0&n=109&i=&c=25&v=page&o=&s=109&i=&s=109&i=&s=109&i=&s=109&i=&s=109&i=&s=109&i=&s=109&i=&s=109&i=&s=109&i=&s=109&i=&s=109&i=

- 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.

<u>September 1, 2011</u> – <u>Sponsor</u>: 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.

<u>September 1, 2011</u> (anticipated) – <u>Sponsor</u>: PhRMA Foundation <u>http://www.phrmafoundation.org/index.php?option=com_award&task=sdetail&id=17</u> 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.

<u>September 30, 2011</u> (continuous submission, close date is 9/30/11) – <u>Sponsor</u>: DOD-USAMRMC <u>http://www.usamraa.army.mil/pages/baa_forms/index.cfm</u>

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
 - o 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.

<u>October 1, 2011</u> (anticipated) – <u>Sponsor</u>: PhRMA Foundation <u>http://www.phrmafoundation.org/index.php?option=com_award&task=sdetail&id=16</u> 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.

<u>October 4, 2011</u> (anticipated) – <u>Sponsor</u>: Joint Commission on National Dental Examinations http://www.ada.org/4168.aspx

• 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.

<u>December 31, 2011</u> (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.

Funding Opportunity Archive

<u>March 4, 2011 (Letter of Intent), Application due April 4, 2011</u> – <u>Sponsor</u> – NIH <u>http://www.nih.gov/science/laskerscholar/</u>

Lasker Clinical Research Scholars

• For early stage clinician researchers, scientists who successfully compete to become a Lasker Clinical Research Scholar will spend five to seven years in NIH's intramural program. They will then be offered the opportunity to either stay at NIH as a senior clinical researcher or apply for up to five years of support to go back out into the extramural community. The program is open to clinician scientists from both the extramural and the intramural communities. Applicants must have an MD, MD/PhD, DO, DDS, DMD, RN/PhD, or equivalent clinical degree and must be no more than six years from completion of their core residency training program.

<u>March 21, 2011</u> – <u>Sponsor</u>: 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.

<u>April 15, 2011</u> – <u>Sponsor</u>: Delta Dental Foundation

http://www.deltadentalmi.com/PublicWeb/appmanager/portal/desktop? nfpb=true& pageLabel=bDD bCC bDDF pRes

• 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.