

overall progression of the research study? Is the data management plan appropriate? Are data clearly presented to the researcher?

The evaluation process will begin by anonymizing and removing those that are not responsive to this Challenge or not in compliance with all rules of participation eligibility. Submissions that are responsive and in compliance will next undergo a review by federal employees with expertise in the relevant areas of science and executive scientific advisors. A panel of judges consisting of federal employees will then score responsive and compliant submissions entries in accordance with the judging criteria outlined above. Final recommendations will be determined by a vote of the judges based on score. Scores from each criterion will be weighted equally, but failure to meet a minimum standard for any one criterion might disqualify an application. The score for each submission will be the sum of the scores from each of the 5 voting judges, for a maximum of 200 points.

Additional Information

What is ResearchKit? ResearchKit is an open-source software kit designed specifically for medical and health research; it simplifies the creation of iPhone apps that can help physicians and scientists gather data from willing participants. The framework allows researchers to circumvent the development of custom code for common tasks such as sharing, storage, and syncing of research data. It helps to create apps to recruit human subjects in research, present informed-consent materials, create surveys and tasks, and monitor sensors interoperable with smartphone technology. ResearchKit works seamlessly with Apple HealthKit, a suite of applications that can interact with the iPhone accelerometer, microphone, gyroscope, GPS sensors, and external hardware such as glucometers, inhalers, and other existing and newly developed sensors. These capabilities could help monitor a participant's gait, motor impairment, physical fitness, speech, and memory, to name just a few. Additional hardware extensions (add-apters) are frequently developed and available.

It is important to note that the ResearchKit framework does not include a data management solution. The framework can be used with a data management solution only after IRB approval of the human health study with consideration of the provider's data privacy and security practices. Apple's ResearchKit debuted in March 2015 with five opt-in health research

apps, now available for free public download. For more information about Apple's ResearchKit and the developed apps visit <https://www.apple.com/researchkit/> and <http://nida.ideascale.com>.

Features and modules currently accessible and compatible with Apple's ResearchKit: Apple's iPhones have a number of built-in sensors, including Touch ID, Barometer, Accelerometer, Gyroscope, Proximity Sensor, and Ambient Light Sensor. The Touch ID is a biometric technology that provides user identification through a finger scanner, the Barometer measures atmospheric pressure, the Accelerometer measure the tilting motion and orientation of the iPhone, and the Three-Axis Gyroscope enables 3-axis angular acceleration around the X, Y and Z axes, enabling precise calculation of yaw, pitch, and roll. The Proximity Sensor deactivates the display and touchscreen when the phone is brought near the face during a call and the Ambient Light Sensor adjusts the display brightness. All sensors are available for the iPhone 6 Plus, iPhone 6, iPhone 5S and iPhone 5. The only exceptions are the Barometer sensor, which is only available for the iPhone 6 Plus, and iPhone 6, and the Touch ID sensor, which is only available for the iPhone 6 Plus, iPhone 6, and iPhone 5S.

In addition to internal sensors, there are a number of add-apters which work with existing iPhones. The add-apters can measure pulse rate, breathing pattern, blood pressure, blood oxygen saturation, heart rate variability, galvanic skin response, and glucose concentration, and can even help detect ear infections and track inhaler medication use. Some add-adapters can be directly purchased through iTunes or third-party vendors; others must be purchased through a physician. Based on the type of adapter, prices can vary from \$6 to \$249.

Dated: October 27, 2015.

Nora D. Volkow,

Director, National Institute on Drug Abuse,
National Institutes of Health.

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DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

Center for Scientific Review; Notice of Closed Meetings

Pursuant to section 10(d) of the Federal Advisory Committee Act, as

amended (5 U.S.C. App.), notice is hereby given of the following meetings.

The meetings will be closed to the public in accordance with the provisions set forth in sections 552b(c)(4) and 552b(c)(6), Title 5 U.S.C., as amended. The grant applications and the discussions could disclose confidential trade secrets or commercial property such as patentable material, and personal information concerning individuals associated with the grant applications, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

Name of Committee: Center for Scientific Review Special Emphasis Panel; Member Conflict: Asthma, Pulmonary Fibrosis and Inflammation.

Date: November 3-4, 2015.

Time: 9 a.m. to 5 p.m.

Agenda: To review and evaluate grant applications.

Place: National Institutes of Health, 6701 Rockledge Drive, Bethesda, MD 20892 (Virtual Meeting).

Contact Person: Bradley Nuss, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4142, MSC7814, Bethesda, MD 20892, 301-451-8754, nussb@csr.nih.gov.

This notice is being published less than 15 days prior to the meeting due to the timing limitations imposed by the review and funding cycle.

Name of Committee: Center for Scientific Review Special Emphasis Panel; AREA Application in Infectious Diseases and Microbiology.

Date: November 9, 2015.

Time: 8:30 a.m. to 6:00 p.m.

Agenda: To review and evaluate grant applications.

Place: Bethesda North Marriott Hotel & Conference Center, 5701 Marinelli Road, Bethesda, MD 20852.

Contact Person: Liangbiao Zheng, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 3202, MSC 7808, Bethesda, MD 20892, 301-996-5819, zhengli@csr.nih.gov.

This notice is being published less than 15 days prior to the meeting due to the timing limitations imposed by the review and funding cycle.

(Catalogue of Federal Domestic Assistance Program Nos. 93.306, Comparative Medicine; 93.333, Clinical Research, 93.306, 93.333, 93.337, 93.393-93.396, 93.837-93.844, 93.846-93.878, 93.892, 93.893, National Institutes of Health, HHS)

Dated: October 29, 2015.

Carolyn Baum,

Program Analyst, Office of Federal Advisory Committee Policy.

[FR Doc. 2015-27984 Filed 11-2-15; 8:45 am]

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