

**LIMITED SUBMISSION FUNDING OPPORTUNITY**  
**<http://som.ucsd.edu/funding-opportunities>**

**Sponsor:** National Institute of Health ([NIH](#))  
**Participating Organization:** NIH Big Data to Knowledge Initiative (BD2K)  
**Title:** [Predoctoral Training in Biomedical Big Data Science \(T32\)](#)  
**FOA Number** RFA-HG-14-004  
**Internal Review Deadline:** **May 9 2014 Expression of Interest (EOI)**  
**Sponsor Deadlines:** **Letter of Intent: June 27, 2014**  
July 27, 2014 5:00 PM Local time (Application)  
**Nominations allowed:** One (1) per institution  
**Award Amount:** Approximately: \$350,000 Total Cost (see award information for full details)  
**Duration:** Awards will be made for five years

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**This is a limited submission opportunity requiring internal review; please see internal review instructions below.**

**Award Description:** The purpose of this Funding Opportunity Announcement (FOA) is to solicit applications for graduate training programs in Big Data Science, for the expressed purpose of training the next generation of scientists who will develop computational and quantitative approaches and tools needed by the biomedical research community to work with biomedical Big Data in the biomedical sciences (see definition under Funding Opportunity Description). This proposed training initiative should prepare qualified individuals for careers in developing new technologies and methods that will allow biomedical researchers to maximize the value of the growing volume and complexity of biomedical data.

See RFA for full details: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-14-004.html>

**Eligible Individuals:** (Program Director/Principal Investigator)

Any individual(s) with the skills, knowledge, and resources necessary to carry out the proposed research training program as the Training Program Director/Principal Investigator (Training PD/PI) is invited to work with his/her organization to develop an application for support. Individuals from underrepresented racial and ethnic groups as well as individuals with disabilities are always encouraged to apply for NIH support.

For institutions/organizations proposing multiple PDs/Pis, visit the Multiple Program Director/Principal Investigator Policy and submission details in the Senior/Key Person Profile (Expanded) Component of the SF 424 (R&R) Application Guide.

The PDs/Pis should be established investigators in the scientific areas relevant to biomedical Big Data Science and capable of providing both administrative and scientific leadership to the development and implementation of the proposed training program. The PDs/Pis will be expected to monitor and assess the program and submit all documents and reports as required. Since the focus of the training is in the area of developing new approaches and tools for manipulating, analyzing, and interpreting Big Data, the PD/Pis for this type of training program should collectively encompass expertise from all three major scientific areas, including demonstrated research leadership in computer science/informatics, statistics/mathematics, and biomedical science.

The primary PD/PI must ensure that the appropriate faculty work collaboratively and in a sustained manner across scientific disciplines and organizational lines to jointly mentor trainees. Big Data Science is interdisciplinary and includes all three major scientific areas: (1) computer science or informatics; (2) statistics and mathematics; and (3) biomedical sciences. It is anticipated that the training program will have a sufficient number of mentors in all three areas, including biomedical sciences researchers, and will utilize the idea of multiple mentorship. See RFA for Additional Information on Eligibility

**INTERNAL REVIEW INSTRUCTIONS:**

The internal review process involves two required steps described below.

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**Step #1: Expression of Interest (EOI).** Investigators who wish to submit a proposal should send an EOI to [hsfunding@ucsd.edu](mailto:hsfunding@ucsd.edu) by 5:00 pm, May 9, 2014. The EOI should be submitted as a one-page pdf and include:

1. PI's name and department
2. A brief project summary

**Step #2: Pre-application, if, and only if,** more than one EOI is received by the first campus deadline noted in Step #1. Those who have submitted EOIs will be asked to submit a pre-application (content will be specified) to [hsfunding@ucsd.edu](mailto:hsfunding@ucsd.edu) by 5:00 pm Pacific Time on May 19, 2014.

An independent faculty committee will then review all pre-applications and select the most competitive application, using the guidance about the sponsor's priorities in the RFP, to represent UC San Diego.

### **CONTACTS**

#### **Internal Contact for Questions:**

Cecilia Jamous, Coordinator for Limited Submission Funding Opportunities

UCSD Health Sciences | Office of the Associate Vice Chancellor for Scientific Affairs

[hsfunding@ucsd.edu](mailto:hsfunding@ucsd.edu) | 858-822-3320 | <http://som.ucsd.edu/funding-opportunities>