

## The Genetic Epidemiology Research Institute and the UCI Office of Data and Information Technology Announce a Funding Opportunity:

### ‘Using the NIH *All of Us* Data to Advance Health Research’

#### To the UCI Research Community:

The National Institutes of Health (NIH) *All of Us* Research Program is building one of the largest biomedical data resources of its kind by collecting health data and biospecimens from a diverse cohort of **one million or more** participants nationwide. The objective is to accelerate health research and medical breakthroughs, enabling individualized prevention, and health care for all of us.

**It is with great pleasure that the Genetic Epidemiology Research Institute (GERI) and the UCI *All of Us* Research Program, in collaboration with the Office of Data and Information Technology, are announcing a research funding opportunity to help UCI researchers utilize the NIH *All of Us* data to pursue health-related research topics of interest.**

The initial *All of Us* dataset can be accessed and analyzed through the *All of Us* Researcher Workbench, a cloud-based research platform as part of the Program’s Research Hub. The Researcher Workbench contains a suite of custom tools for cohort building, data extraction, and statistical or machine-learning analysis. The dataset currently contains:

- Survey data for 329,000+ participants (including lifestyle, access to care, and medical history)
- Physical measurements for 267,600+ participants (including blood pressure, heart rate, and BMI)
- EHR data for 214,200+ participants (including demographics, visits, lab tests and results, diagnoses, procedures, and medications; harmonized according to a common data model)
- Genomic data derived from 98,000+ whole genome sequences and 165,000+ genotyping arrays
- Wearables (ex. Fitbit) data from 11,600+ participants
- COVID-19 survey data from 11,000+ participants as well as COVID-19 EHR data
- NIH will continue to add more data and tools

Under this announcement, it is intended to fund 4 projects at a maximum level of \$2,500 each; and 2 projects at a maximum of \$5,000 each. Proposals will be evaluated based on their scientific merit. Successful applications are those considered to have a high potential for publications and for future extramural funding. Applicants for this funding opportunity must be full-time UCI faculty including those in the Clinical and Adjunct Research series who have an established account with the NIH *All of Us* Researcher Workbench. The scope of the proposed research must be planned to be completed within one year.

Applications must be submitted to Jenny Fang at [jennyf3@hs.uci.edu](mailto:jennyf3@hs.uci.edu). Each applicant is only allowed to submit one application. Please see below for more detailed information on application submission.

Sincerely,

**Hoda Anton-Culver, Ph.D.**

Principal Investigator, *All of Us* Precision Medicine Research Program at UCI School of Medicine

**Tom Andriola**

Vice Chancellor for Information, Technology and Data, UCI  
Chief Data Office, UCI and UCI Health

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### **Application Guidelines**

**DEADLINE:** Ongoing

#### **Eligibility Requirements:**

Applicants must be full-time UCI faculty including those in the Clinical and Adjunct Research series who have an established account with the NIH *All of Us* Researcher Workbench. The scope of the proposed research must be planned to be completed within one year. Priority will be given to applications with high potential for publication and future extramural funding. Each applicant is only allowed to submit one application.

#### **Submission Instructions:**

Applications must be submitted via email to Jenny Fang at [jennyf3@hs.uci.edu](mailto:jennyf3@hs.uci.edu).

#### **Specific Instructions for application preparation:**

##### **A. COVER PAGE**

- i. Project title
- ii. Name and contact information of PI
- iii. List of other project personnel, if applicable
- iv. School and department

##### **B. PROPOSAL (may not exceed 2 pages, excluding references)**

- i. Specific aims
- ii. Significance
- iii. Innovation
- iv. Approach
- v. References

### **C. SUPPLEMENTARY INFORMATION**

- i. (Required) A statement, up to 500 words, that describes (1) how this project will be leveraged to improve chances of obtaining future funding and (2) PI's understanding of the nature of the data collected by the *All of Us* Research Program, and familiarity with the *All of Us* Researcher Workbench.
- ii. (Required) A table detailing the number of data endpoints that would be available from the *All of Us* database. Example: how many participants are available in the *All of Us* data that are eligible for your project?
- iii. Research environment

### **D. BUDGET AND BUDGET JUSTIFICATION**

- i. Detailed budget
- ii. Justifications for each line item

### **E. USE OF FUNDS**

Funds may be used for stipends to support postdoctoral fellows, or graduate or undergraduate student research assistants for up to one year of receipt of funds. Funds may also be used to pay for biostatistical consulting services. Funds may not be used to pay for faculty salaries, equipment, software, or for travel.

### **F. Biographical sketch of key personnel in the NIH biosketch format**

### **G. Application submission**

Applications will only be accepted in the pdf format and must be fully contained within a single pdf file with the file name in the following format: applicant's last name\_first name (For example: Anteater\_Peter.pdf)

### **H. ACKNOWLEDGEMENT**

- i. Applicants must agree to acknowledge the research funds in any publications generated from the proposed work.
- ii. Applicant signature and date

## **Review Process**

Applications will be reviewed by a committee of senior UCI multidisciplinary faculty and researchers and will be evaluated based on scope of proposed research, quality, innovation, and focus on the *All of Us* data research guidelines including demonstration of a thorough understanding of the nature of the data collected by the NIH *All of Us* Research Program as well as familiarity with the NIH *All of Us* Research Workbench environment.

**Incomplete applications will not be accepted.**