

***All of Us* Research Program Office Concept Clearance: Accelerating Discovery by Increasing Access to *All of Us* Participant Biospecimens**

Background: The *All of Us* Research Program (*All of Us*) is a historic effort to gather health data and biospecimens from at least 1 million people living in the United States, with the goal of accelerating research and medical breakthroughs, and enabling individualized prevention, treatment, and care for all. As of July 2025, *All of Us* has enrolled more than 865,000 adult participants nationwide. *All of Us* participants share biospecimens and data from electronic health records, surveys, digital health technologies, and physical measurements with researchers through the *All of Us* Researcher Workbench. Whole genome sequencing and array data, generated from participant biospecimens, are also made available to researchers. *All of Us* serves as a national resource to inform tens of thousands of studies, covering a wide range of health conditions. Over 18,000 researchers use data from the program to learn more about how individual differences in lifestyle, environment, and genetics can influence health and disease.

In addition to currently available data, *All of Us* aims to allow access to the broader scientific community to conduct deeper analyses by collecting new data from stored biospecimens and making that new data available to researchers. The *All of Us* supported Biobank holds biospecimens from over 600,000 participants, including whole blood, plasma, serum, saliva, RNA, cell-free DNA, and urine. By opening a process for investigators to request access to these or a subset of these samples, *All of Us* will further enhance opportunities for discovery across scientific disciplines, accelerate breakthroughs in precision medicine, and improve public health.

Therefore, *All of Us* intends to publish a Notice of Funding Opportunity (NOFO) to solicit applications for accessing and conducting analysis on the biospecimens contained within the *All of Us* Research Program supported Biobank.

Objective: The purpose of this concept is to enable high-impact research leveraging *All of Us* participant biospecimens to generate new data that will be added to the program's rich dataset through issuance of a new NOFO for an X01.

The proposed PAR title is: Accelerating Discovery through Partnered Research with *All of Us* to Analyze Participant Biospecimens

Funds Available: The X01 requires no funding from *All of Us*.

Award Mechanisms: X01 Resource Access Award

Project Period: 1-3 years anticipated

Timeline: *All of Us* proposes publishing a PAR for the X01 in December 2025