

Chan Zuckerberg Initiative: Ancestry Networks for the Human Cell Atlas

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Website: <https://chanzuckerberg.com/rfa/ancestry-networks-human-cell-atlas/>
Submission Limitations: None
Foundation LOI Deadline: **May 25th, 2021, 9:00 PM (ET)**
Please contact Connor Cook to inform them of your intent to submit

The Chan Zuckerberg Initiative invites applications for three-year collaborative projects for the generation of healthy, single-cell reference data from pediatric tissue samples for the Human Cell Atlas (HCA).

Overview

The Human Cell Atlas (HCA) is a global effort to create a reference map of all cell types in the healthy human body in order to generate a fundamental reference for biomedical research and improve our understanding of health and disease. Progress over the past several years has resulted in advancement toward first drafts of many organs systems and tissues. However, gaps have emerged in reference data for tissues from ancestrally diverse donors across all atlas building efforts, including the HCA. This has introduced significant biases and limited utility for finding treatments for large classes of disease for segments of the population. This Request for Applications (RFA) is intended to bring together teams of experts to 1) ethically and appropriately generate data derived from tissues from people whose ancestral groups are historically understudied and thereby expand the ancestral diversity of single-cell data that is available via the HCA, and 2) utilize best practices and build up systems to enable long-term engagement of potential participants and donors from diverse communities to contribute to the current and future drafts of the HCA. This work will help provide insights into the contribution of genetic ancestry to disease now and in the future, resulting in an atlas that may be more generalizable and representative of the diversity found in the global human population. **ELIGIBILITY**

Applications may be submitted by domestic and foreign nonprofit organizations, public and private institutions, such as colleges, universities, hospitals, laboratories, units of state and local government, and eligible agencies of the federal government. For-profit organizations are not eligible to apply. All grants will be awarded to institutions, not individuals.

- Organizations may be based in any country.
- There may be more than one application submitted by each organization.
- Each application should designate one Principal Investigator (PI) as the Coordinating Principal Investigator (Coordinating PI). The Coordinating PI will act as the administrative contact between CZI and all PIs on the grant (Co-PIs). The Coordinating PI must submit the application on behalf of all PIs. The Coordinating PI must be affiliated with the institution submitting the application, and grant funds will be awarded to that institution, which will take responsibility for distributing funds to any other institutions. Note that institutions outside the U.S. may not subcontract to U.S. institutions, so please be mindful when selecting the Coordinating PI/institution.
- Each application must have a minimum of three PIs (one Coordinating PI and two Co-PIs), but may designate up to 10 total PIs (one Coordinating PI and up to nine Co-PIs). If your application proposes more than 10 PIs, please contact sciencegrants@chanzuckerberg.com to explain and discuss how to submit the application.
- Principal Investigators may only serve as Coordinating Principal Investigator on one application.
- Principal Investigators may apply to join multiple Ancestry Networks applications, but will only be funded in a single final team. Should teams with overlapping PIs be selected as finalists, the teams will be asked to revise the members of their team such that each PI is only funded as a Coordinating PI or Co-PI on a single project. Collaboration and participation in multiple projects is allowed, but funding will be restricted to one project per PI.
- At least one Principal Investigator of the team must be a computational biologist or data scientist. The team is required to put forward a community engagement plan and is strongly encouraged to include community engagement researchers as PIs to help develop and implement the plan.

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- PIs/Co-PIs on one application may be employed at the same or at different institutions.
- This funding opportunity aims to bring together collaborative teams with diverse expertise. The goal of understanding potential cellular-level differences and commonalities in tissue derived from donors from many different ancestries will benefit from diverse technical, social, and clinical expertise. Key areas of expertise are likely to come from individuals with deep knowledge and experiences that are not typically reflected in research proposals. We encourage this engagement and do not require a track record of funding or output in traditional academic research to be eligible.

How to Apply

The Office of Foundation Relations will assist all applicants with CZI's online grants management portal at <https://apply.chanzuckerberg.com>.

Application Specifics:

- Eligibility: Please refer to the RFA announcement.
- Award Period: Proposed projects should be three years in duration with a projected start date no earlier than December 1, 2021. Actual start date may vary.
- Award amount: Because hardware, software, and protocol development projects that may be supported by this RFA likely require different resourcing levels, a budget limit has not been set on a per project basis. Award amounts will be project specific.
- Budgets for Full Applications will be evaluated for appropriateness relative to the scope of work proposed. Indirect costs cannot exceed 15% of direct costs.
 - Number of Principal Investigators (PI and Co-PIs): Each application should have a minimum of one PI, but may designate up to three total PIs (one Coordinating Principal Investigator and up to two Co-Principal Investigators (Co-PIs)).
 - Institutional sign-off is required.

Key Dates:

- March 9, 2021: Application portal opens
- May 25, 2021: Applications due by 5 p.m. Pacific Time
- September 14 - 24, 2021: Video call interviews of finalists
- October 2021: Earliest notification of decisions (subject to change)
- December 1, 2021: Earliest start date of award period (subject to change)

Funding

Award amounts will be project specific. Budgets for Full Applications will be evaluated for appropriateness relative to the scope of work proposed. Indirect costs cannot exceed 15% of direct costs.

Please contact Office of Foundation Relations and work with Connor Cook (connor.cook@emory.edu) on all submissions.