

Chan Zuckerberg Initiative

REQUEST FOR APPLICATIONS

Chan Zuckerberg Initiative Imaging Scientists Program (Cycle 2)

The Chan Zuckerberg Initiative invites applications for five-year grants to support the work of Imaging Scientists employed in imaging core facilities at non-profit universities or research institutes across the world.

OPPORTUNITY

Overview

The Chan Zuckerberg Initiative (CZI) seeks to support the work of up to 15 Imaging Scientists who will work at the interface of biology, microscopy hardware, and imaging software at imaging core facilities across the world. “Imaging Scientists” might be engineers, physicists, mathematicians, computer scientists, or biologists who have focused on technology development in either light or electron microscopy, medical imaging, or data analysis fields. The primary goal of the program is to increase interactions between biologists and technology experts. The Imaging Scientists will have expertise in imaging hardware or software. A successful “Imaging Program” will employ an Imaging Scientist who: a) works collaboratively with experimental biologists on projects at the imaging core; b) participates in courses that disseminate advanced microscopy methods and analysis; c) trains students and postdocs in imaging technology; d) participates in a network of CZI Imaging Scientists to identify needs and drive advances in the imaging field; e) attends twice-yearly CZI scientific workshops and meetings in imaging and adjacent biomedical areas. Each grant will fund salary and fringe benefits for an Imaging Scientist at the center, a modest travel and teaching budget, plus 15% indirect costs. The award period is three years plus an additional two years, awarded as a separate grant, if the Imaging Program passes a review at year three.

ELIGIBILITY

- Applications may be submitted by domestic and foreign non-profit organizations; public and private institutions, such as colleges, universities, hospitals, laboratories, units of state and local government; and eligible agencies of the federal government.
- An imaging core may submit only one application, but different imaging cores from a single institution may submit separate applications.

- The person submitting the application on behalf of the imaging core should be the Imaging Scientist.
- The Imaging Program's Scientist must be currently employed at the institution submitting the application. The Imaging Scientist's Biosketch and Personal Statement must be provided in the application.
- Imaging cores should serve a broad community of scientists at their institutions, not just a small number of labs.
- Imaging Scientists should have expertise with either hardware or software. We welcome applications from both medical and basic science imaging cores.
- CZI encourages applications from underrepresented minorities, women, and early career scientists.
- Facebook employees, including employees of any subsidiary Facebook entities, are not permitted to apply.
- CZI reserves the sole right to decide if an applicant and applicant organization meet the eligibility requirements.

CZI requires institutional sign-off at this stage of the application process and suggests that you consult your home institution to determine eligibility to apply for this grant and your institutional policy on indirect costs. For questions about eligibility for this award or the application process, please contact us in advance of the proposal deadline at sciencegrants@chanzuckerberg.com. Deadline extensions will not be granted.

APPLICATION REQUIREMENTS

Key Dates

| | |
|-----------------|--|
| June 4, 2020 | Application portal opens |
| July 30, 2020 | Applications due by 5 p.m. Pacific Time (PT) |
| October 2020 | Earliest notification of decisions (subject to change) |
| January 1, 2021 | Earliest start date (subject to change) |

Award period and start date: The award period is three years plus an additional two years, awarded as a separate grant, if the Imaging Program passes a review at year three. The start date is no earlier than January 1, 2021. Actual start date may vary.

Budget: The maximum budget that can be requested is \$250,000 total costs per year for five years (no more than \$1,250,000 total for five years). Note that it will be an initial three-year period followed by a potential two-year renewal, awarded as a new grant. No more than \$200,000 per year can be requested for salary and fringe benefits of the Imaging Scientist, \$20,000 per year for teaching and travel expenses, and 15% indirect costs for the institution. Indirect costs are limited to 15% of direct costs. *Note: Restrictions may apply to international grantees using grant funds to travel to the U.S., but CZI will be in contact with successful applicants to discuss options.*

Application Specifics: All applications must be completed and submitted through CZI's online grants management portal at <https://apply.chanzuckerberg.com>. It is recommended that applicants familiarize themselves with this portal well in advance of the application deadline. The application should provide sufficient information to evaluate the Imaging Program, the Imaging Scientist, the imaging core, and how each will contribute to the goals outlined in the

“Opportunity” above. Detailed application instructions are available on the [Chan Zuckerberg Initiative website](#), as well as in the [grants management portal](#).

SELECTION PROCESS

The Chan Zuckerberg Initiative’s [core values](#) center around people, technology, collaboration, and open science. We adhere to those values in both proposal selection and evaluation of progress. Applications will be reviewed by independent experts, and CZI will use these data to select the grantee institutions. CZI will not provide feedback to unfunded proposals. CZI reserves the right to not recommend the funding of any application.

POLICIES

- Funds from this award are solely intended to pay salary costs of an Imaging Scientist and a modest travel and teaching budget at the grantee institution. Imaging cores will be asked to provide summary budgets at the time of award and during annual reporting. *Note: Restrictions may apply to international grantees using grant funds to travel to the U.S., but CZI will be in contact with successful applicants to discuss options.*
- For awarded projects, financial statements and progress reports will be due at the conclusion of each grant year. Specific deliverable requirements will be outlined in the award notification. Imaging Scientists of funded projects will be required to participate in regular meetings, including annual scientist meetings. Travel support for these meetings will be provided by CZI separately from the requested grant funds.
- Grantees may obtain funds for their research from other funding sources, provided that there is no conflict with meeting the terms of the CZI award.
- Unused research funds may be carried over to the following year, and requests for no-cost extensions will be considered.
- **Ethical conduct:** CZI advocates the highest standards for the ethical conduct of research. In addition to requirements of their own countries, grantees should adopt procedures for the use of animals in research and for the ethical treatment of human subjects and tissue donors, including obtaining their written informed consent. CZI regards the policies of the National Institutes of Health as a strong model for such procedures.
- **Data, publication, and dissemination policies:** To accelerate scientific discovery and collaboration, CZI supports a consent, sharing, and publication policy for open and rapid dissemination of proposal results, including methods, data and reagents, and a policy for software development that maximizes accessibility, reuse, and shared development. Under rare circumstances, exceptions to the above may be considered where there are specific situations that make meeting these goals impossible or counterproductive to the project. **As part of the Project Goals, the Imaging Scientist is expected to perform services on behalf of a number of investigators both at the Grantee institution and outside the Grantee institution. For the avoidance of doubt, the requirements in this section apply to independent research programs of the Imaging Scientist and/or to intellectual property and publications for which the Imaging Scientist is an author or inventor as a result of CZI funding.**

- **Software code:** CZI requires sharing of software code developed by its grantees generally to be made publicly available on GitHub (or a similar public service). All new code must be released under a permissive open source license (MIT, BSD 2-Clause, BSD 3-Clause, or Apache v2.0). All pre-existing and derivative code should be licensed under the most permissive license possible, given the licensing terms of the pre-existing code. All analysis packages must be released through the appropriate language-specific package manager (e.g., PyPi for Python, Bioconductor and CRAN for R) with documentation, example data, and interactive demos (e.g., Jupyter notebooks), and the use of Docker or similar container technologies to ensure portability and reproducibility. Software code supported by CZI should be archived for [long-term digital preservation](#) and [citability](#), when applicable.
- **Content and data sharing:** CZI is committed to developing and using platforms that disseminate data openly and freely. Any datasets either curated or generated through the proposal should be made publicly available and easily accessible through an appropriate data repository, when applicable, under an Open Definition conformant license. Ideally, data sets would not include personally identifiable information, but if they do, consent to sharing the data should be obtained. Metadata, documentation, and intended use cases, as appropriate should be made available under an Open Definition conformant license, preferably CC0 or CC BY/CC BY SA for content that requires explicit attribution.
- **Publications:** To encourage rapid dissemination of results, any publications related to this funded work must be submitted to a preprint server (such as bioRxiv, arXiv, or any appropriate preprint repository), at or before the first submission to a journal. Experimental protocols should be made publicly available through a protocol sharing service, such as protocols.io. CZI requests that scientific publications, preprints, and presentations that result from this award acknowledge support from this funding.
- **Reagent sharing:** Resources and reagents developed with this funding support should be available for rapid dissemination to the community, where possible in an accessible community repository, such as Addgene (for plasmids/DNA reagents/viruses) and Jackson Labs (for model systems lines), etc. This requirement applies to cell lines, transgenic organisms, plasmids/clones, antibodies, and other reagents.
- **Consent:** All human tissues should be adequately and fully consented to permit full sharing of the resulting data and any resulting tools, in accordance with laws and regulatory requirements. Any desired exceptions to this policy must be identified at the time of application, and such requests may affect the application's chance of success. We are aware that there may be circumstances where broad consent may be challenging, and in some cases consent may be subject to revocation; we encourage investigators to discuss these cases with CZI scientific staff.
- **Intellectual property rights:** CZI does not require assignment of ownership to any data, published results, or any other intellectual property that results from the work funded by these grants, but will have the same rights generally granted to

others in the permissive licenses described above. CZI supports and promotes policies that enable results and technologies to have the broadest reach and impact. To this end, all newly developed software should be made available through permissive open source licenses as described more fully above. Other technology and intellectual property rights (such as patents) should be made freely available for all academic and non-commercial use, and where intellectual property rights are commercialized, they should generally be subject to non-exclusive commercial licenses that enable broad availability and dissemination.

- Indirect costs cannot exceed 15% of direct costs and must be included within the annual budget total. Indirect costs may not be assessed on capital equipment or subcontracts, but subcontractors may include up to 15% indirect costs of their direct costs.
- International grantees must use all grant funds exclusively for activities conducted outside the United States of America. Note: Restrictions may apply to international grantees using grant funds to travel to the U.S., but CZI will be in contact with successful applicants to discuss options.
- Applications selected through this process will either be funded by the Chan Zuckerberg Initiative Foundation (CZIF) or recommended for funding through the Chan Zuckerberg Initiative Donor-Advised Fund (DAF) at the Silicon Valley Community Foundation (SVCF).

CONFIDENTIALITY

All submitted applications will be kept confidential, except (1) as necessary for our evaluation or to comply with any applicable laws; and (2) to the extent that the application is made public or available to others without a duty of confidentiality through no fault of CZI. Notwithstanding, successfully funded proposals may be made publicly available and/or shared with other grantees or collaborators. Unfunded proposals will remain confidential as provided herein; however, information, including brief summaries of the proposed projects, project metrics, and the types of organizations who have applied for funding, may be made publicly available in aggregate form. Application materials will not be returned to applicants.

RFA CONTACT

For administrative and programmatic inquiries, technical assistance, or other questions pertaining to this RFA, please contact sciencegrants@chanzuckerberg.com.

IMPORTANT DOCUMENTS

[Application Instructions](#)

[Institutional Approval Form](#)

Chan Zuckerberg Initiative

APPLICATION INSTRUCTIONS

Chan Zuckerberg Initiative Imaging Scientists Program (Cycle 2)

Some helpful information as you get started:

- This document contains:
 - [General guidance on using the portal](#)
 - [How to submit an application](#)
 - [Application details specific to this Imaging Scientists \(Cycle 2\) RFA](#)
- Please review the Request for Applications (<https://www.chanzuckerberg.com/science/rfa/imaging-scientists>).
- The Chan Zuckerberg Initiative uses SurveyMonkey Apply (SMAppl) as its grants management portal. All applications must be submitted through this portal (<https://apply.chanzuckerberg.com>). SMAppl is configured to work best using the Google Chrome browser. It is recommended that you familiarize yourself with this portal well in advance of any deadlines. Deadline extensions will not be granted.
- **Key Dates:**

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apply to international grantees using grant funds to travel to the U.S., but CZI will be in contact with successful applicants to discuss options.

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 - The Imaging Scientist must be currently employed at the institution submitting the application. The Imaging Scientist's Biosketch and Personal Statement must be provided in the application.
 - Imaging cores should serve a broad community of scientists at their institutions, not just a small number of labs.
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GETTING STARTED

Account setup: The Imaging Scientist (i.e., the person completing the application on behalf of the imaging core/institution) must first set up an account in the CZI online grants portal at <https://apply.chanzuckerberg.com/>. Only the Imaging Scientist needs to set up an account.

To set up an account:

1. Go to <https://apply.chanzuckerberg.com/>.
2. Click the green Register button in the upper right corner.
3. Complete the requested fields and then click the green Create Account button.
4. Click the green Continue button to proceed to the site.

Please note you will need to verify your account through the auto-email that you receive after registering. You will not be able to submit an application until your account is verified.

Personal data: Where we ask for personal data of individuals in grant applications, please only submit personal data that you have a right to provide. We will use and store any personal data collected through the application process for grant-related purposes (e.g., administering the grant, decision-making related to grants, and analysis of our grant practices). The Chan Zuckerberg Initiative will be the “data controller” for any such personal information, and the data may be stored on servers outside of your home country, including within the United States. If you have any questions or concerns regarding our privacy practices or collection or use of personal data, you can contact us at privacy@chanzuckerberg.com.

Navigating the portal: Once you have set up an account, you can log in to the grants portal at <https://apply.chanzuckerberg.com/>. Using the links in the upper right corner, you can access available programs (which includes RFAs for all CZI areas, not just science) and any applications you have in preparation or previously submitted. Use the information (“i”) link to get help with the portal. To access your account information, click on your name in the upper right. Your application will pre-populate with the name and email listed in your account information so if you need to edit it, click on your name in the upper right corner to make any necessary changes.

Forgotten username or password: If you have forgotten your username or password, please navigate to the grants portal at <https://apply.chanzuckerberg.com/> and click on the Log In link located in the upper right corner. Click the Forgot your password link and then enter the email address associated with your SMaply account. You will then receive an email with information to reset your password. Please note that your username is your email address.

Other questions: If you have other questions about using the portal, please use the information (“i”) link in the upper right corner of the window. Here you will find a link to FAQs about using the portal, as well as links to submit specific help requests. If you have specific questions about the RFA, please contact us at sciencegrants@chanzuckerberg.com.

SUBMITTING AN APPLICATION

To submit an application:

1. Go to https://apply.chanzuckerberg.com.
2. Log in.
3. Click the green View Programs button that is displayed or click on the Programs link in the upper right corner. This will bring you to a listing of all programs/RFAs that CZI is hosting in SMaply. To **find the program/RFA** you are looking for, you may need to scroll down.
4. Find the program/RFA you are interested in and click the green More button.
5. Click the green Apply button in the upper right and complete all sections (details below).
 - a. You will first be prompted to **enter the title** of your application, after which you will have access to the application tasks to complete. Project title is limited to 75 characters, including spaces. If you need to **edit your project title**, click on the My Applications link in upper right and click the green Continue button on the application you wish to edit. Once the application page opens, click on the three

- dots to the right of the application title (next to the Preview link) and select Rename from the dropdown menu.
- b. The application is made up of several sections called tasks that are listed in a menu on the left side of the page. To **open a task**, click on the one you would like to work on. You can edit and complete tasks in any order. You may need to scroll down to see the remaining tasks.
 - c. Once you **complete a task**, click the green Mark as Complete button within the task. All tasks must be marked as complete before submitting. To **edit a task** after marking it as complete, click the three dots in the upper right of the task and select edit, which will re-open the task.
 - d. Your application will autosave every few seconds, but you can also click the Save & Continue Editing on each task as you go along to **save your application**.
 - e. In the tasks that require a PDF upload: If you need to **delete and replace a PDF** after you have uploaded it, click on the three dots to the right of the file under the Attach File section within the task and select Remove from the dropdown menu.
 - f. To **download your application**, click on the three dots in the upper right corner of the application page and select download. If you are within a task, first click on the Back to application link in the upper left. Please **be aware of any pop-up blockers** in your browser that may prevent downloading your application.
 - g. To **access an application that you have previously saved**, click on the My Applications link in upper right and click the green Continue button on the application you wish to edit.
6. Once all tasks are completed, click the green Submit button **to submit your application**.
- a. If the button is grayed out, it means your application is not yet complete; please be sure all required fields and uploads are complete within each task and that you have clicked the Mark as Complete button within each task.
 - b. To **download your application**, click on the download link in the upper right corner. Please be mindful of **any pop-up blockers** that may be active in your browser that prevent/hide downloads.
 - c. Review your application in the window (or in the PDF that you have downloaded). If you want to make changes, navigate back to your application and reopen/edit any tasks that need editing. **It is strongly recommended that you download your application as a PDF (instructions above in b.) to review your application before clicking submit.**
 - d. Once you are **ready to submit**, click the green Submit Your Application button on the left side of the window. You will need to confirm your submission by clicking the green Submit button in the pop up window. **Once your application has been submitted, it cannot be edited. Please be sure that your application is complete BEFORE submitting.** If you inadvertently submit your application and it is before the deadline, please contact sciencegrants@chanzuckerberg.com.
7. Once your application is submitted, you will **receive an auto-email** confirming submission within a few minutes. If you do not receive a confirmation email within a few minutes, please check your spam folder. If you still did not receive your confirmation email, please email sciencegrants@chanzuckerberg.com.
8. If you would like to view your application after you have submitted it, it can be accessed through the My Applications link in the upper right corner.

The application consists of the following sections (called tasks in the grants portal): Imaging Scientist/Applicant Details (Part 1 and 2); Organization Details; Proposal Details; Imaging Core Details; and Project Proposal.

- **Imaging Scientist/Applicant Details Part 1:** Complete all fields in this task; all fields are required. The information entered should be for the Imaging Scientist.
 - Name and email (auto-filled): to edit your name or email, please do so in your account information by clicking your name in the upper right corner and clicking My Account in the dropdown menu.
 - Organization, Title/Position, Department or equivalent, Degrees.

- **Imaging Scientist/Applicant Details Part 2:** Complete all required fields in this task. The information entered should be for the Imaging Scientist. Please note demographic information will not be used as a basis for review.
 - ORCID iD (required): Enter in format XXXX-XXXX-XXXX-XXXX. ORCID iDs are unique, digital identifiers that distinguish individual scientists and unambiguously connect their contributions to science over time and across changes of name, location, and institutional affiliation. ORCID iDs will be used to streamline reporting in our applications and grant reports to reduce the burden on grantees. For more information, please visit <https://orcid.org/register>. (Please contact us at sciencegrants@chanzuckerberg.com if you wish to opt out).
 - Highest degree (required) and year granted (optional).
 - Additional degrees and year granted (up to three) (optional).
 - Gender (optional).
 - Race/Ethnicity (optional).
 - Short narrative biography of the Imaging Scientist/Applicant (maximum of 100 words) (required).

- **Organization Details:** Complete all fields in this task; all fields are required. The information entered should be for the organization of the Imaging Scientist/Applicant.
 - Organization name/Street address/City/State/Country
 - Type of organization (drop down menu: academic/non-profit, industry/company, government, other).
 - Tax ID: Enter your organization's Employer Identification Number (EIN), as assigned by the Internal Revenue Service in the 9-digit format (XX-XXXXXXX; 10 characters total). Foreign organizations or others who do not have an EIN should enter 44-4444444.
 - Organizational/Administrative Contact: List the name and contact information for the administrative contact to discuss additional information needed, if selected for award.
 - i. First name, Last name, Title/Position, Email.
 - Signing Official: List the name and contact information for the person authorized to sign on behalf of your organization.
 - i. First name, Last name, Title/Position, Email.
 - Press Contact / Public Relations Official: List the name and contact information for the person to discuss press releases and media.
 - i. First name, Last name, Title/Position, Email.

- [Institutional Approval Form](#): Upload as a single PDF. This form (file: [Inst_Sign_off_form_Imaging_Sci_June_2020](#)) should be printed, reviewed, and signed by a person authorized to sign on behalf of your organization, agreeing to the stated institutional and investigator requirements and commitments on data, resource sharing and publication policies, as well as endorsing/verifying your application materials. **This field is not designed to support encrypted documents or digital signatures; please sign, scan, and upload this form as a PDF.**

- **Proposal Details:** Complete all fields in this task; all fields are required.
 - [Proposal Title \(auto-filled\)](#): Proposal title is limited to 75 characters, including spaces. If you need to edit your proposal title, navigate to your application summary page, click on the three dots to the right of the application title (next to the Preview link) and select Rename from the dropdown menu.
 - [Imaging Core Details](#): Name of Imaging Core; Imaging Core website (if no imaging core website, please use university or organization website); Name of Director (of the Imaging Core); Name of Dean/Chair who oversees the Imaging Core.
 - [Budget Requested](#): Should match budget total in proposal and include no more than 15% of direct costs for indirect costs; the maximum allowed, including indirect costs, is \$250K total costs per year for five years or a total of \$1.25M total costs. *Note: Restrictions may apply to international grantees using grant funds to travel to the U.S., but CZI will be in contact with successful applicants to discuss options.*

- **Imaging Core Details:** Complete all fields in this task; all fields are required. For the tabular questions, you may need to use the scroll bar at the bottom of the table to scroll right to view and to complete all fields. Alternatively, you can tab to move through and complete the fields. **To add another row in a table, click the box at the end of the row.**
 - [Core Type](#):
 - Select one: Service Provider, Research Center, Both, Other (please specify).
 - Does your core facility primarily concern (check all that apply): A) Optical microscopy; B) Electron microscopy; C) Medical imaging; D) Other (please specify)?
 - [Core Users](#): Indicate the number of users for each category: 1) number of labs using the core, 2) number of individual core users, 3) number of active individual users (who have used the facility for 20 hours or more over the last year).
 - [Major Imaging Machines](#): Enter the following (for up to 25). 1) Modality, 2) Vendor, 3) Quantity, 4) Relative usage: "a few hours per week", "a few hours per day", "many hours per day", "nonstop". Enter N/A in all fields, if not applicable.
 - [Major Tissue Preparation Equipment](#): Enter the following (for up to 25): 1) Modality, 2) Vendor, 3) Quantity, 4) Relative usage: "a few hours per week", "a few hours per day", "many hours per day", "nonstop". Enter N/A in all fields, if not applicable.
 - [Personnel](#): List all Imaging Core personnel (up to 25): 1) Name, 2) Position, 3) Full-time or part-time.
 - [Physical Space](#): Enter the square footage of the Imaging Core for the following: 1) Total space; 2) Office space.
 - [Overall Imaging Core Budget](#): Enter the following for the overall Imaging Core budget: 1) total budget expenses for the previous fiscal year (in USD); 2) the percent for personnel; 3) the percent for equipment maintenance.

- **Financial Support:** Please enter N/A if any of the following funding categories do not apply.
 - Active Grant Support: Enter (up to 15): 1) Funding agency, 2) Grant number, 3) Funding start date (format as mm/dd/yy), 4) Funding end date (format as mm/dd/yy), 5) Funding for current year (in USD), 6) Total funding (in USD).
 - Pending Grant Support: Enter (up to 15): 1) Funding agency, 2) Funding start date (format as mm/dd/yy), 3) Funding end date (format as mm/dd/yy), 4) Funding for first year (in USD), 5) Total funding (in USD).
 - Institutional Support: Enter (up to 15): 1) Source, 2) Funding start date (format as mm/dd/yy), 3) Funding end date (format as mm/dd/yy), 4) Funding for current year (in USD).
 - Other: Enter (up to 15): 1) Source, 2) Funding start date (format as mm/dd/yy), 3) Funding end date (format as mm/dd/yy), 4) Funding for current year (in USD).
 - Recharge/Users Fees: Enter the amount collected in 2019 (in USD).
- **Project Proposal:** Upload a single file formatted as a PDF.
 - **Format:**
 - Start with a Table of Contents as listed below and place bookmarks that lead from the Table to each of the nine sections.
 - Number the pages.
 - No less than single-spacing between lines.
 - Font must be 11 points or larger.
 - Margins must be at least one-half inch (top, bottom, left, and right) for all pages.

Section 9 must be prepared by the Dean or Chair responsible for the Imaging Core. Other sections are prepared by the Imaging Scientist/Applicant.

Table of Contents:

1. COVER PAGE
2. PERSONAL STATEMENT OF THE IMAGING SCIENTIST
3. VALUE OF THE POSITION
4. BIOSKETCH OF THE IMAGING SCIENTIST CANDIDATE
5. BIOSKETCH OF THE CORE DIRECTOR (OR EQUIVALENT)
6. DESCRIPTION OF SOFTWARE AND DATA HANDLING
7. ACCOMPLISHMENTS OF THE IMAGING CORE
8. BUDGET
9. LETTER FROM THE DEAN OR CHAIR

1. COVER PAGE (limit 1 page). On separate lines, A through G, please provide:

- A. Title of Program
- B. University or Institute name AND Tax ID number
- C. Grant Amount Requested
- D. Proposed Start Date
- E. Name of Imaging Scientist AND email address
- F. Name of Imaging Core Director
- G. Name of Dean or Chair that oversees the Imaging Core

2. PERSONAL STATEMENT OF THE IMAGING SCIENTIST CANDIDATE (limit 2 pages). Concisely describe in four labeled sections:

- A. Your expertise and relevant experience,
- B. Your vision of how and what to teach biologists about modern imaging,
- C. Your vision about the needs for image analysis and compute infrastructure in the next 10 years, and
- D. Your vision for a single technical advance that would dramatically drive the imaging field forward.

To guide you in this statement, note that CZI seeks to support experts in either imaging hardware or software who will: a) work one-on-one with experimental biologists; b) lead discussion with the institutional IT team about data handling; c) participate in courses that disseminate advanced microscopy methods and analysis; d) train students and postdocs in imaging technology; and e) form a network to discuss advances and needs of the imaging field. Imaging Scientists will be expected to have expertise in either hardware or software, collaborate broadly with biologists at the home institution and interface with the local IT team, teach in at least one practical course that is advertised and open to scientists outside the home institution, and learn and evaluate new analysis software and teach it to inexperienced users.

3. VALUE OF THE POSITION (limit 0.5 page). Describe the role the Imaging Scientist will play at the imaging core.

4. BIOSKETCH OF THE IMAGING SCIENTIST CANDIDATE (limit 5 pages). Use [NIH format](#) or equivalent.

- A. Describe education
- B. Describe employment history
- C. Identify up to five of your most significant contributions and describe the significance of each in no more than three sentences. Contributions might include publications (with direct object identifier, doi), preprints (with URL), shared datasets (with doi), software (with doi or other reference), courses taught, patents, or other evidence of contribution
- D. List selected authored publications
- E. List selected publications that acknowledge your contributions

5. BIOSKETCH OF THE CORE DIRECTOR (OR EQUIVALENT) (limit 5 pages).

Please fill out this section if the Imaging Core Director is different from the applying Imaging Scientist. Use [NIH format](#) or equivalent to describe education, employment history, and evidence of scientific productivity as described above.

6. DESCRIPTION OF SOFTWARE AND DATA HANDLING (limit 1 page).

- A. List the heavily used acquisition and analysis software utilized in your core.
- B. Describe analysis, compute, and data handling infrastructure.

7. ACCOMPLISHMENTS AND DESCRIPTION OF THE IMAGING CORE (limit 5 pages).

- A. Is your core a services provider, a research center, or both? If it is a service provider, what services are offered? If both, what is the relative fraction of energy spent on each, and do you see that distribution as ideal?
- B. Describe the user base for the previous two years (number of users, not their names)
- C. List selected papers, patents, or software code that have arisen from the facility for up to the previous five years, providing links where possible. List both the contributions authored by imaging core staff and the contributions that acknowledge contributions from the imaging core; please separate these into two lists.
- D. Does your core encourage users to cite/acknowledge the core in publications that used the core's resources? If yes, how often do you believe that happens?

8. BUDGET (limit 1 page). The maximum total budget (including indirect costs) is \$250,000 per year, with an initial three-year period followed by a potential two-year renewal. Please submit a budget for five years. No more than \$200,000 can apply to the salary and fringe benefits of the Imaging Scientist, no more than \$20,000 to teaching and travel expenses, and no more than 15% overhead to the institution. If \$200K is insufficient for the salary and benefits of the candidate, state the proposed salary and explain what will be the source of additional funds. Funding from recharge or fee-for-service will not be accepted as the source of additional salary support. *Note: Restrictions may apply to international grantees using grant funds to travel to the U.S., but CZI will be in contact with successful applicants to discuss options.*

9. LETTER FROM THE DEAN OR CHAIR (limit 2 pages). CZI seeks to fund Imaging Scientists at salaries similar to those of the institution's faculty that have similar seniority. Separately label five paragraphs that describe:

- A. The starting salary levels for Assistant, Associate, and Full Professors, or the equivalent positions, at your institution.
- B. Justification of the level in which the applicant would fit.
- C. Your vision for imaging at your institution.
- D. How this imaging core is supported.
- E. A plan to sustain support of the candidate beyond the five years of CZI funding.
- F. Please sign and date.

The formatting and component requirements, including word and page limits indicated above, will be enforced by the review team. Any submitted materials that exceed the word and page limits or do not follow the requirements will not be considered during the application review process.

QUESTIONS?

For administrative and programmatic inquiries pertaining to this RFA, please contact sciencegrants@chanzuckerberg.com. For technical assistance with SMaply, please contact support@smapply.io or while logged into SMaply, click on the information "i" link in the upper right corner and submit a help request ticket.