

Pathogen Genomic Surveillance and Immunology in Asia

Rules & Guidelines

Applications due no later than December 16, 2022, 11:30 a.m. U.S. Pacific Time

Supporting Materials

- 1) [Full RFP – Pathogen Genomic Surveillance and Immunology in Asia](#)
- 2) [Application Instructions](#)
- 3) [Budget Template and Narrative](#)
- 4) [FAQ Document](#)

Application Instructions

Key dates and deadlines*

Key Dates	Event
October 23, 2022	Application period opens
Friday December 16, 2022, 11:30 a.m. US Pacific Standard Time	Application period closes, deadline to submit
Mid-March 2023	Proposal review completed
By July 1, 2023	Estimated start dates
October 2023	Awardees invited to attend Grand Challenges Annual Meeting

*Note, any changes to the Key Dates or Events, to include the request for additional information, will be directly communicated to invited applicants.

How to Apply

Changes to the Rules and Guidelines and to the frequently asked questions (FAQ) document will be posted periodically, including any changes to the dates listed above. Please read the FAQ document before submitting any questions or concerns. Your proposal package will consist of:

- (1) Applicant profile and information – completed via our application portal
- (2) Your Proposal (2 pages maximum) – uploaded as a Microsoft Word® or Adobe® PDF file
- (3) Budget table and narrative (1 page, use template provided) - uploaded as a Microsoft Word® or Adobe® PDF file

We will consider proposals for awards of up to USD \$300,000 per year, including indirect costs permitted under our [Indirect Cost Policy](#), for implementation of up to 2 years depending on the scope of the project. An additional \$300,000 USD may be added to the second year budget if a proposed project includes monoclonal antibody discovery activities. If you are selected to receive a grant, your organization will be required to agree to the terms and conditions governing the grant award.

For detailed information application instructions, please see the application instructions document.

Proposal File – 2 pages maximum

Proposal Format

Your proposal must be formatted as follows.

- No longer than 2 pages maximum
- 11-point font or larger
- At least 0.5" margins all around
- Single line spacing
- Standard character spacing (neither expanded nor condensed)
- Arial or Times New Roman font
- Microsoft Word® or Adobe® PDF filetype
- Entire file size of 3MB or less
- Please do not include a cover sheet with your proposal. A cover sheet will be automatically generated from your registration data.

Applications that do not adhere to these restrictions may be blocked from submission and review.

Proposal Content

Along with this application instructions document, we encourage you to reference the request for proposals overview document and the challenge rules and guidelines to ensure that your proposal responds to the challenge. You are required to submit either a Microsoft Word® or PDF® document; no more than 2 pages in length describing your project as well as a one-page budget table and narrative. Please do not include a cover sheet with your proposal. A cover sheet will be automatically generated from your registration data.

Please include the following in your application: (suggested lengths in parentheses)

1. Introductory information (1/2 page):
 - A short description of the specific problem your proposal addresses
 - Indicate in one or two sentences **in bold** the essence of your idea for a solution (1-2 sentences)
 - Why your idea is unconventional or creative
2. Proposal information (1 page):
 - A clear hypothesis for the proposed work
 - A brief description of the work you will undertake to achieve proof of concept for your idea
 - What essential data you expect to generate
3. Path to impact: What would your next steps be if you are successful in this work? How would you bring your idea to impact? (1/2 page)

All Asia PGI proposals must:

- Describe the framework used to prioritize the chosen pathogen or syndrome

- Describe in brief the SARS-CoV-2 genomic surveillance system in place
- Describe how staff can immediately put to use pathogen genomic sequencing technology at your site to respond to at least one of the Asia PGI objectives listed above.
- Describe how skills will be developed in sequencing of the priority pathogen chosen
- Describe the sampling approach for obtaining specimens for genomic sequencing and how the sampling approach will be optimized to answer at least one of the objectives outlined above. In addition, describe how metadata and clinical, epidemiological, or other data will be collected and combined with the sequencing data.
- Describe how the data generated from your project will be used to inform public health decision making in your area, country and/or region in a timely manner. How will you communicate your findings and engage with stakeholders to ensure uptake and use of your findings for these public health purposes? We expect that PGS data will be shared immediately with local government health officials as well as uploaded to a standard repository for genetic data such as GISAID, NCBI, or ENA.
- Articulate how the capacity built through the proposed project will strengthen your institute's approach to using pathogen genomics for surveillance.

All GIISER-Asia proposals must:

- Describe the site's ability to link together pathogen sequencing, clinical epidemiology, and immunology to rapidly produce high-quality, interpretable and informative data on neutralization breadth and cross protection for locally identified SARS-CoV-2 variants of concern.
 - This includes, but is not limited to, outgrowth of variant SARS-CoV-2 virus in appropriate BLS3 containment labs for live virus neutralization assays. Examples of anticipated results: [Cele et al Nature 2021](#), [Moyo-Gwete et al NEJM 2021](#), [Shen et al NEJM 2021](#) and [Wibmer et al Nature Medicine 2021](#).
- Describe how, within the first year of the grant, the GIISER site will bring all required binding and neutralization assays into their lab and communicate their results.
- Describe how, within the second year of the grant, the GIISER site will be communicating results within 1-2 months of identifying a variant of local concern.
- Describe how, within the second year of the grant, the GIISER site will bring in all required capabilities for monoclonal antibody discovery and screening. (Proposals without an antibody scope will still be eligible for funding under this call.)
- Describe how the site will leverage existing local expertise, collaborate, and share data effectively with other GIISER sites and international networks

Budget Table and Narrative – 1 page maximum

Please use the [budget template](#) (linked and on the application portal) to include a breakdown of allowable direct costs under the following categories.

- Personnel
- Subcontracts
- Subgrants
- Capital Assets/Equipment
- Travel
- Supplies
- Other Expenses
- Indirect Costs (please review the [Indirect Cost Policy](#))

Additionally, please provide a one (1) paragraph Budget Narrative to explain the major cost drivers and how costs relate to planned activities and target outcomes.

Proposals must be submitted prior to the deadline of December 16, 2022, 11:30 a.m. U.S. Pacific Time

Awards

The funding level for the Pathogen Genomic Surveillance and Immunology in Asia Project is a **grant of up to \$300,000 USD per year for each project**, with a grant term of up to 2 years. An additional \$300,000 USD may be added to the second year budget if a proposed project includes monoclonal antibody discovery activities. Application budgets should be commensurate with the scope of work proposed. Indirect costs will be considered, and should be included in the budget for the \$300,000 USD award (subject to the [Bill & Melinda Gates Foundation's indirect cost policy](#)).

Please note:

During the application process you will be required to confirm that you have read and understood the [Website Terms of Use and Privacy Policy](#), and these Rules and Guidelines, and acknowledge that any information that you provide to us (either orally or in writing) will be subject to and handled in accordance with such provisions.

Subject to the Foundation's [Privacy Policy](#), the Foundation may share information you and your host organization provide to us (either orally or in writing) with third parties, including external reviewers, key partners and potential co-funders. This document is subject to the Foundation's [Terms of Use](#).

Eligibility Criteria

For Asia PGI funding, we seek proposals from government-funded institutes and labs based in South and Southeast Asia that are mandated to provide surveillance data to health ministries for public health action. For GIIISER-Asia, we seek proposals from government-funded labs or their academic partners. Collaborations with global partners is acceptable however, at least 80% of the funding needs to be awarded directly to organizations based in South and Southeast Asia. Individuals and organizations classified as individuals for U.S. tax purposes are not eligible to receive an award from the foundation as part of this initiative.

Upon registration, applicants must provide information about the tax status of their organization as different terms and conditions may apply. You should confirm your organization's tax status with the appropriate advisor or entity within your organization such as your grants or contracts

department, finance, or office of sponsored research. The foundation may request additional information regarding your tax status. For information about tax statuses, you may check with your own advisors and review information provided on the Internal Revenue Service web site at: www.irs.gov.

Review Process

Handling of Applications

When submitting materials to the Foundation please keep in mind that because we have a focus on achieving charitable outcomes, we view information that we obtain through our grantmaking as a public good. Subject to the [Foundation's Privacy Policy](#), the Foundation may also share information you provide to us (either orally or in writing) with third parties, including external reviewers, consultants, contingent workers, key partners and co-funders. You should assume that nothing will be kept confidential and should not include any information in the proposal, budget, supplemental materials, or reports that you consider proprietary.

Additionally, the foundation is required by the IRS to publish a list of its grants. The foundation also provides general descriptions of its grants on its web sites, in press releases, and in other marketing materials. These Rules and Guidelines are subject to these [Terms of Use](#).

Review of Applications

The Grand Challenges application review process is executed in four steps:

1. The first step consists of screening applications to evaluate whether proposals address the key needs described in the topic. We screen for responses that are completely unrelated or specifically excluded in the topic description. Excluded responses encompass ideas related to the topic but that, for strategic reasons, we are not funding under the Grand Challenges initiative. In addition, we exclude proposals considered incremental advances, appropriate responses that are similar to work in which the foundation or other Grand Challenges programs are already investing, or avenues of inquiry we deem ill-suited to the Grand Challenges initiative. Applicants with proposals removed from consideration during the screening process will be notified that their proposals were declined but will not receive specific feedback.
2. In the second step, reviews are chaired or co-chaired by technical leads from the foundation and, in some cases, other funding partners and are conducted by reviewers both outside and within the foundation. Reviewers are selected from the world's leading researchers and comprise both experts in the topic area and experts in complementary areas. Not all reviewers have deep expertise in the topic; please consider this information when drafting your proposal.

The criteria considered in these reviews are:

- Potential to lead to solutions with substantial impact related to the specific topic
- Scientific and technical excellence & innovation, including:
 - creativity of the project's approach and clear differentiation from existing approaches
 - a clear and rigorous conceptual framework for the activities
- Project Plan, including:
 - investigator and organization capabilities and potential for collaboration
 - value in terms of appropriateness of the budget and timeline relative to project complexity, risk, and potential impact

3. The third step is the validation and final selection of the proposals to be funded by the Executive Committee. The Executive Committee may recommend the proposal be funded, subject to specific modifications which will be negotiated as part of the award process. Organizations invited to submit full proposals will be provided additional technical instructions at that time.
4. The fourth and final step is a due diligence review and to directly discuss and negotiate any adjustments to the proposed project recommended by the Executive Committee. Investigators will be contacted as part of the due diligence review.

Management of Conflict of Interest

To identify and avoid conflicts of interest among application reviewers, such reviewers will not be permitted to review proposals from organizations with which the reviewer has self-identified conflicts of interest.

Eligibility and Notifications

Please review the [Bill & Melinda Gates Foundation's sample terms and conditions](#). Please note that depending on the tax status of your organization, alternate terms and conditions may apply. Please also review the [Bill & Melinda Gates Foundation's standard Request for Proposal \(RFP\) Terms and Conditions](#).

Privacy Notice and Terms of Use

Our full privacy policy and terms of use are located at [Privacy and Terms of Use](#).

Representation: By providing any Submission Materials, the sender represents to the Bill & Melinda Gates Foundation that he/she (i) has the authority to bind the named Applicant to the terms set forth above, without amendment, (ii) agrees to be bound by such terms; and (iii) has the right to provide the information submitted.

Frequently Asked Questions

Answers to many application questions can be found on the frequently asked questions document.

Inquiries

Please direct all questions about this initiative, selection criteria or application instructions by e-mail to the following address: grandchallenges@gatesfoundation.org.