



MINISTRY OF HEALTH
SINGAPORE

NATIONAL RESEARCH FOUNDATION
PRIME MINISTER'S OFFICE
SINGAPORE



Healthy Longevity Catalyst Awards

Healthy Longevity Global Grand Challenge

Public Briefing
21 February 2022

House Rules

Please take note of the following house rules:

1. Ensure that your microphones are muted during the session.
2. During the Q&A session, participants should click on the raise hand icon within the Zoom application to raise their questions. The moderator will select and invite the participant to raise his/her question.
3. The moderator will invite the participant to unmute the microphone to pose his/her question. Kindly mute your microphone after speaking please.

Outline

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Overview of the Healthy Longevity Global Grand Challenge

- Collaboration with the US National Academy of Medicine (NAM)
- Global initiative aimed at catalysing transformative ideas and innovation to improve and advance healthy ageing and longevity around the world.
- Partner countries include: US, Japan, China, Taiwan, UK, Europe and Singapore*.

A

Three-tiered series of awards and prizes, building on a foundation of catalyst and proof-of-concept awards, to fund breakthrough innovations and solutions

B

Global roadmap report that will identify the challenges and opportunities presented by global ageing with recommendations for action

*Mode of implementation may differ across countries.

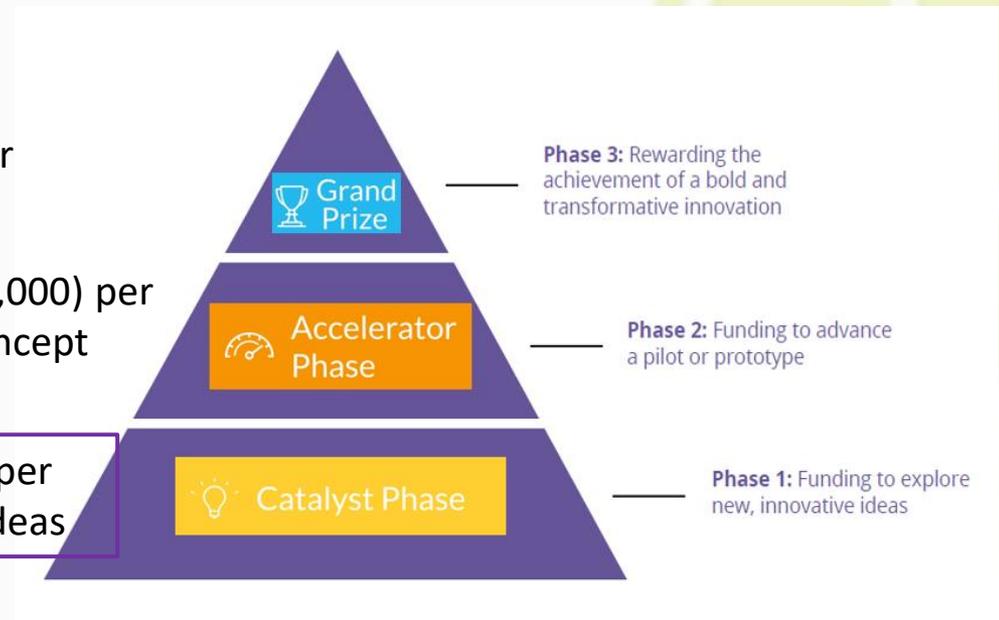
Healthy Longevity Global Grand Challenge

- Singapore will be supporting **the Catalyst Awards across three years from 2020 to 2022 (three rounds).**

Grand Prizes: Up to USD 5 mil (~SGD 7 mil) for breakthrough innovation

Accelerator Awards: USD 500,000 (~SGD 700,000) per award, for up to 30 recipients for proof-of-concept

Catalyst Awards: USD 50,000 (~SGD 70,000) per award to over 450* recipients for bold new ideas



* Global targets over three rounds of Catalyst Awards

Healthy Longevity Catalyst Awards

- The Healthy Longevity Catalyst Awards will reward **bold, new, potentially transformative ideas**—originating **from any field or combination of fields** (such as biomedicine, behavioural science, sociology, engineering and infrastructure, technology, policy) - **to improve the physical, mental, or social well-being for people as they age**, and in a measurable and equitable way.
- Ideas could focus on early-, mid-, or late-life, as long as it ultimately **extends the human health span**.
- HLCA is meant as a seed fund to support new, transformative ideas, rather than extensions of existing projects. Applicants will be required to declare if their HLCA proposal is a part of a larger project, and explain if there are any overlaps with existing funded project(s).

Recap on Round 1 (2020) and Round 2 (2021)

- **Round 1: Total of 103 applications received, 15 projects awarded**
 - Proposals came from a wide range of disciplines/fields
 - Attracted applications from academic institutions, public healthcare institutions, public research centres and industry
 - Awarded proposals are predominantly in the area of life sciences, with some on sociology and technology.
- **Round 2: Total of 49 applications received, 15 projects awarded**
 - Greater focus areas on topics like technology, social sciences and productive longevity
 - As a result, we had more applications in areas beyond health and biomedical sciences
 - We also received more multi-domain proposals (e.g. twinning of health/biomedical sciences and social science).

The full list of projects awarded globally in can be found on NAM's website:

<https://healthylongevitychallenge.org/winners/>

Priority Topic Areas for Round 3

In Round 3, we will continue to emphasise the same five priority areas as we did in the previous round:

- **Technology**, such as artificial intelligence, robotics, medical technology, assistive devices, and information technology;
- **Social sciences**, such as social determinants of health and psycho-social well-being, including mental health;
- **Productive longevity**, such as technology or job redesign solutions which enable older workers to continue in employment to a later age, and solutions which promote senior learning;
- **Housing and the built environment**, such as assisted living models, smart-enabled homes and intergenerational housing models; and
- **Financing**, such as preventive health financing models involving behavioural economics.

Eligibility

- Open to **teams representing public and/or private sector institutions across all disciplines. Individuals are not eligible to apply.** While there is no restriction on the nationality of members in the project team, the entity represented must be legally registered in Singapore. Consortia with Singapore-registered entities are also eligible to apply.
- Project teams are to identify a 'Host Institution' for the administration of the Research including the receipt of funding.
- A PI can submit **only one application.** However, he/she may be part of the Project Team of other Catalyst Award proposal applications.

Project Team Composition

- Interested applicants may form a Project Team comprising members from multi-disciplinary (e.g. pairing medical and technology / engineering) backgrounds.
- **No restriction** on the number of Institutions, Investigators and Collaborators in each Project Team, but a host institution must be identified.
- Applicants are expected to **form their own partnerships**.

Project Funding

- Funding support of **up to S\$69,600 per project**, *inclusive of 20% indirect costs*, will be provided for a period of **up to two years**.
- Support for indirect costs, on top of supportable qualifying direct costs, is **capped at 20% of direct costs**. **Only Singapore-registered Institutions that are institutes of higher learning (IHLs) or non-profit entities, including public healthcare providers, may qualify for support for indirect costs.**
- Funding will be provided on a reimbursement basis, to be claimed via the Integrated Grant Management System (IGMS).

Explanation of Costs

- In general, qualifying costs are **direct costs** that are required to **execute or implement the project**, and are held **accountable to the performance** of the particular Research. These include,
 - Expenditure of Manpower (EOM);
 - Equipment (EQP);
 - Overseas Travel (OT) and
 - Other Operating Expenses (OOE)
- **Indirect costs** are those that are **incurred for common or joint objectives** and therefore cannot be identified readily and specifically with a particular Research, but contribute to the ability of the Host Institution to support the Research. Examples include,
 - General administration and general expenses (eg. provision of research space)
 - Operation, maintenance, utilities, rental and departmental administration expenses

Project Proposal

Interested applicants are to submit a two-page proposal covering the following areas:

- ***Explain your idea. Why is it innovative and potentially transformative?***
 - Innovativeness
 - Impact
 - Address a specific issue related to ageing
- ***How would you implement and test your idea?***
 - Project design
 - Implementation plan
 - Measurement of effectiveness

Additional Guidance

Ethics Consideration

- Project teams are accountable for the safety and well-being of human subjects during the course of the Research and be responsible for the submission of any applications required for ethics approval before the commencement of human/animal research activities, if necessary.
- PI is required to make Ethics Declarations via IGMS, by selecting the relevant ethics categories that are applicable for the research/study. While Ethics approval(s) is not mandatory at the point of application, these will be required if awarded, before the commencement of project.

Resubmission

- **Resubmission attempts are capped at one time. Funding is not guaranteed for resubmitted proposal.**
- Resubmission refers to proposals resubmitted based on Reviewers' comments. It is not a re-written proposal from a new perspective. If more than 50% of the proposal is to be revised, it should be submitted as a new application.

Broad Evaluation Criteria

Applications will be assessed against the following criteria – *in order of descending importance*

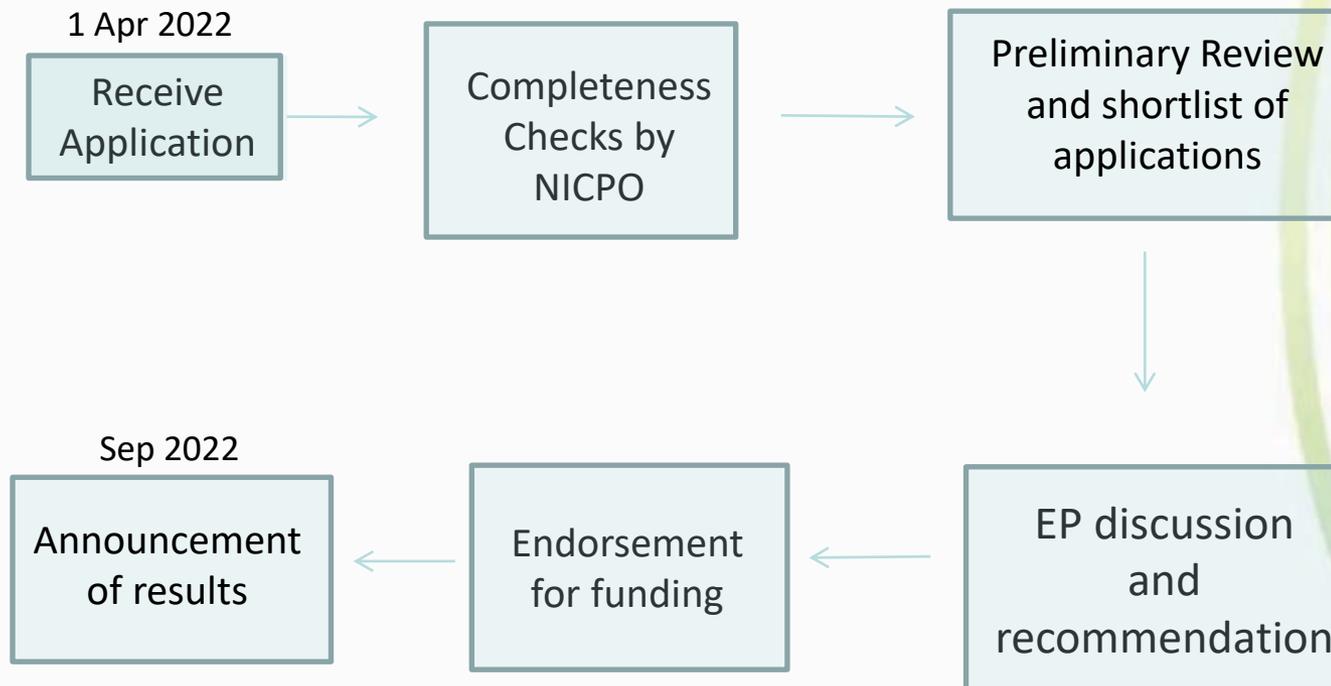
Component	Evaluation Criteria
Innovativeness	The extent to which the proposed idea challenges existing paradigms and employs new methodologies or concepts.
Potential for Impact	The extent to which the proposed idea may have a significant impact on the physical, mental, or social well-being of people as they age.
Quality	The extent to which the proposed idea and the research methodology are clearly explained and includes a compelling or well-defined outcome metric.
Scope	The extent to which the proposed idea represents a challenge impacting the entire field, and not solely the interests of the applicant.

Timeline

Activity	Date
Announcement of Round 3 of the Healthy Longevity Catalyst Awards	February 2022
Public Briefing	21 February 2022
Call for Applications	25 February 2022
Deadline for Project Proposal Submission	31 March 2022, 5.00pm
Announcement of Results	September 2022

Review Process for Catalyst Awards

- The Catalyst Awards applications will be evaluated by the Evaluation Panel (EP).



Applying via Integrated Grant Management System (IGMS)

- The following files will be available for download from the NMRC (www.nmrc.gov.sg) and IGMS (<https://researchgrant.gov.sg>) websites:
 - IGMS Application Guide
 - Public Document and Application Guide
 - README document
 - (i) Proposal, (ii) CV and (iii) Other Attachments Templates (these must be completed and attached in your IGMS application)
 - Prevailing Terms and Conditions
- To submit an application on IGMS, PIs are required to obtain a CorpPass from your institution and this will be used to access/log in IGMS. For more information on how to register your institution's representative as a CorpPass admin or obtain a CorpPass, please visit www.corppass.gov.sg.
- If this is the first time your institution/organisation is creating an institutional account with IGMS, please email the Grant Manager (Tricia_Teo@moh.gov.sg) **at least two weeks before the submission deadline** with the following details:
 - Full Name of Company:
 - Local Company / Foreign Company:
 - Public Company / Private Company:
 - UEN (for Local Company) / Unique Identifier (for Foreign Company):The Grant Manager will inform you of the next steps.

Applying via Integrated Grant Management System (IGMS) – cont'd

- For the submitted application to route to NICPO by the deadline of submission, Project Team must identify a Host Institution Office of Research (HI ORE) with the following roles set up on IGMS:
 - Host Institutional Director of Research (HI DOR)
 - Host Institution Office of Research (HI ORE)
- The PI should submit only one application on behalf of the Project team **using the templates available on the IGMS** and upload these documents to the relevant sections in IGMS:
 - Research proposal
 - CV template (PI, Co-I/Collab)
 - Other Attachments Template (Signatories and Other Support)
- It is **mandatory** for all applications to be submitted *online via* IGMS by **31 Mar 2022, 5pm**. Please ensure that all online submissions are **endorsed by the corresponding host institution's Research Director by the closing date.**

Questions?

For enquiries, please email
[NIC Ageing@moh.gov.sg](mailto:NIC_Ageing@moh.gov.sg)

We look forward to receive your application!