



MINISTRY OF HEALTH
SINGAPORE

NATIONAL RESEARCH FOUNDATION
PRIME MINISTER'S OFFICE
SINGAPORE



Healthy Longevity Catalyst Awards

Healthy Longevity Global Grand Challenge

Public Briefing
25 Jan 2021

House Rules

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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.

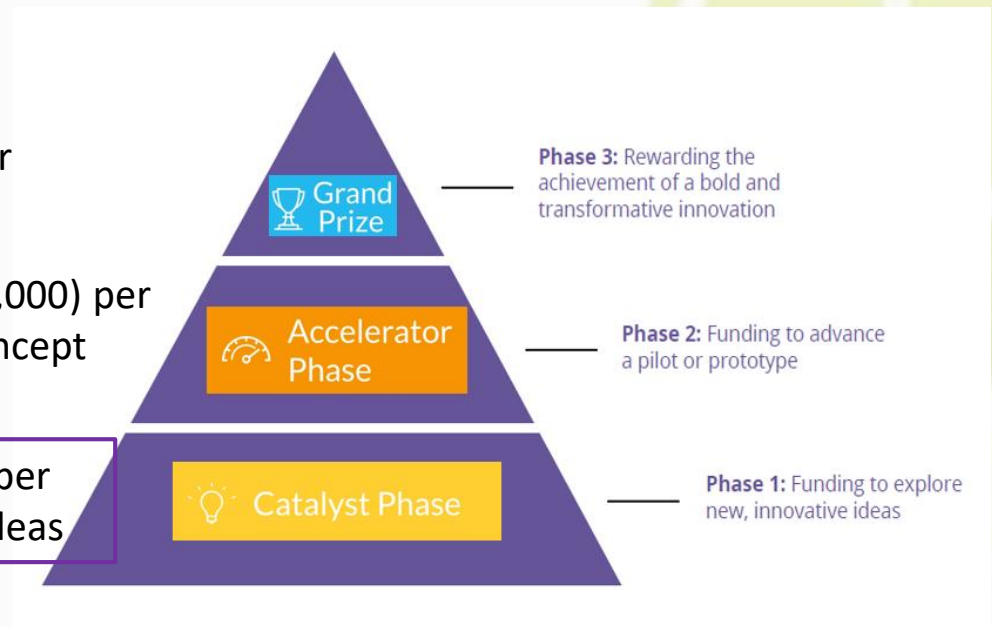
Healthy Longevity Global Grand Challenge

- 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**.

Recap on Round 1

- **Total of 103 applications received:**
 - Proposals came from a wide range of disciplines/fields
 - Attracted applications from academic institutions, public healthcare institutions, public research centres and industry
- **We have selected a total of 15 awardees in Round 1**
 - The selected proposals are predominantly in the area of life sciences, with some on sociology and technology.

The full list of projects awarded globally in Round 1 can be found on NAM's website:

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

Priority Topic Areas for Round 2

While the Catalyst Awards is open to all applications relating to the broad topic of healthy longevity, **the following areas have been identified as priority areas:**

- **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

Two-page proposal covering the following areas:

- ***Explain your idea. Why is it innovative and potentially transformative?***
 - Impact
 - Innovativeness
 - 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*

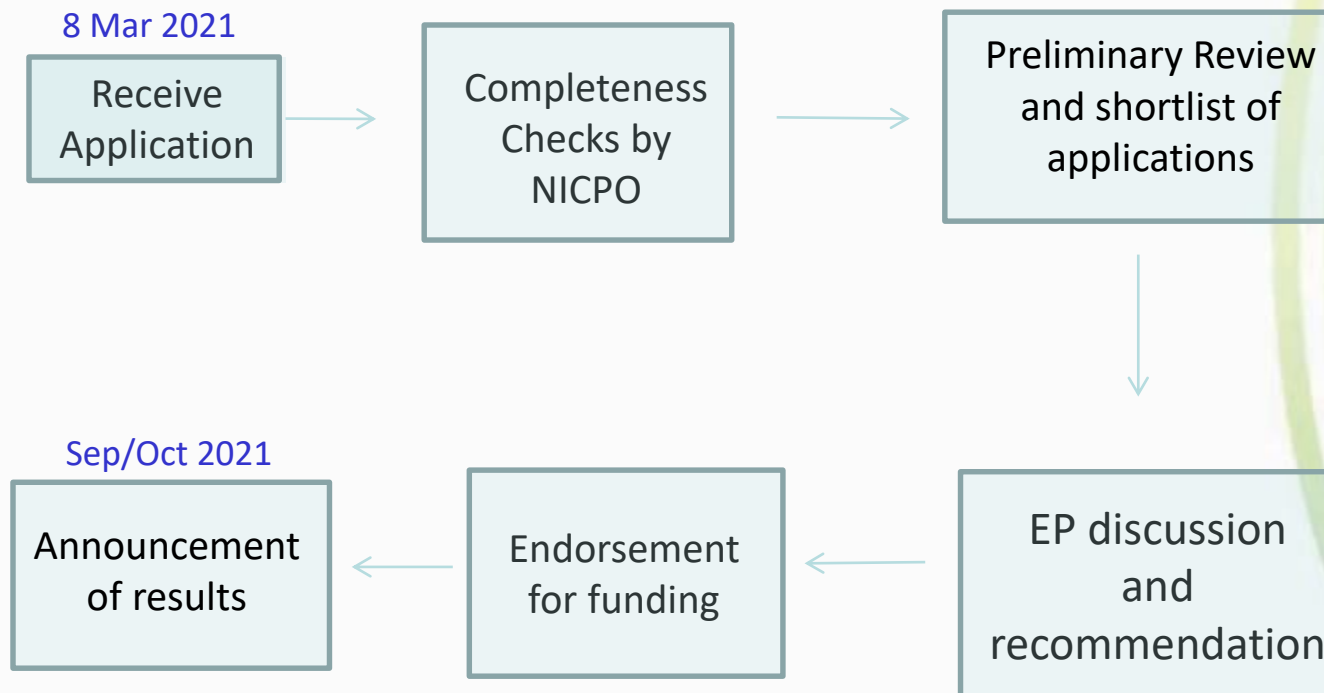
| Component | Evaluation Criteria |
|----------------------|--|
| Innovativeness | The extent to which the proposed idea challenges existing paradigms and employs new methodologies or concepts. |
| Potential for Impact | The extent to which the proposed idea may have a significant impact on the physical, 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 2 of the Healthy Longevity Catalyst Awards | January 2021 |
| Public Briefing | 25 January 2021 |
| Call for Applications | 29 January 2021 |
| Deadline for Project Proposal Submission | 8 March 2021, 5.00pm |
| Announcement of Results | September/October 2021 |

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 **8 Mar 2021, 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)