Healthy Longevity Catalyst Awards
Healthy Longevity Global Grand Challenge

Public Briefing
9 Jan 2020

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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

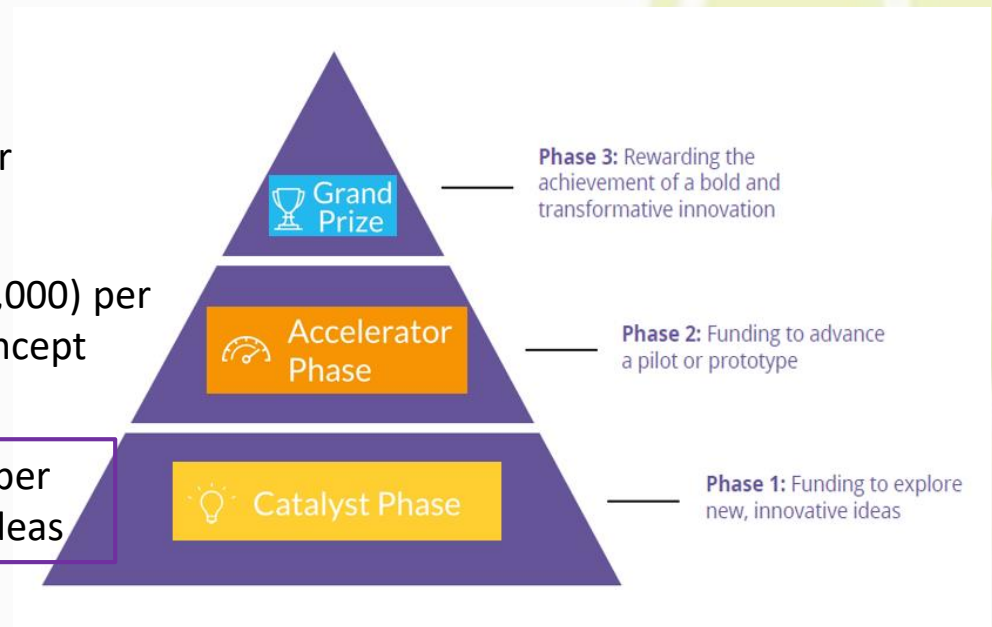*Mode of implementation may differ across countries.

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

Grand Prize — **Phase 3:** Rewarding the achievement of a bold and transformative innovation

Accelerator Phase — **Phase 2:** Funding to advance a pilot or prototype

Catalyst Phase — **Phase 1:** Funding to explore new, innovative ideas

* Global targets over three rounds of Catalyst Awards

Healthy Longevity Catalyst Awards

The Catalyst Awards will reward **bold, innovative ideas** from **any discipline** that could **extend the human health span** through disease prevention, mobility, functionality, social connectedness, longevity, and more. Examples of topic areas to be considered include:

- Biology of ageing and molecular pathways
- Health care delivery
- Housing, such as smart-enabled homes, intergenerational housing models
- Technology, such as artificial intelligence, robotics, medical technology, assistive devices, and information technology
- Productive longevity at workplaces – technology or job redesign solutions which enable older workers to continue in employment to a later age

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. Consortiums 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 an reimbursement basis, to be claimed via 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.

Broad Evaluation Criteria

Applications will be assessed against the following criteria – *in order of descending importance*
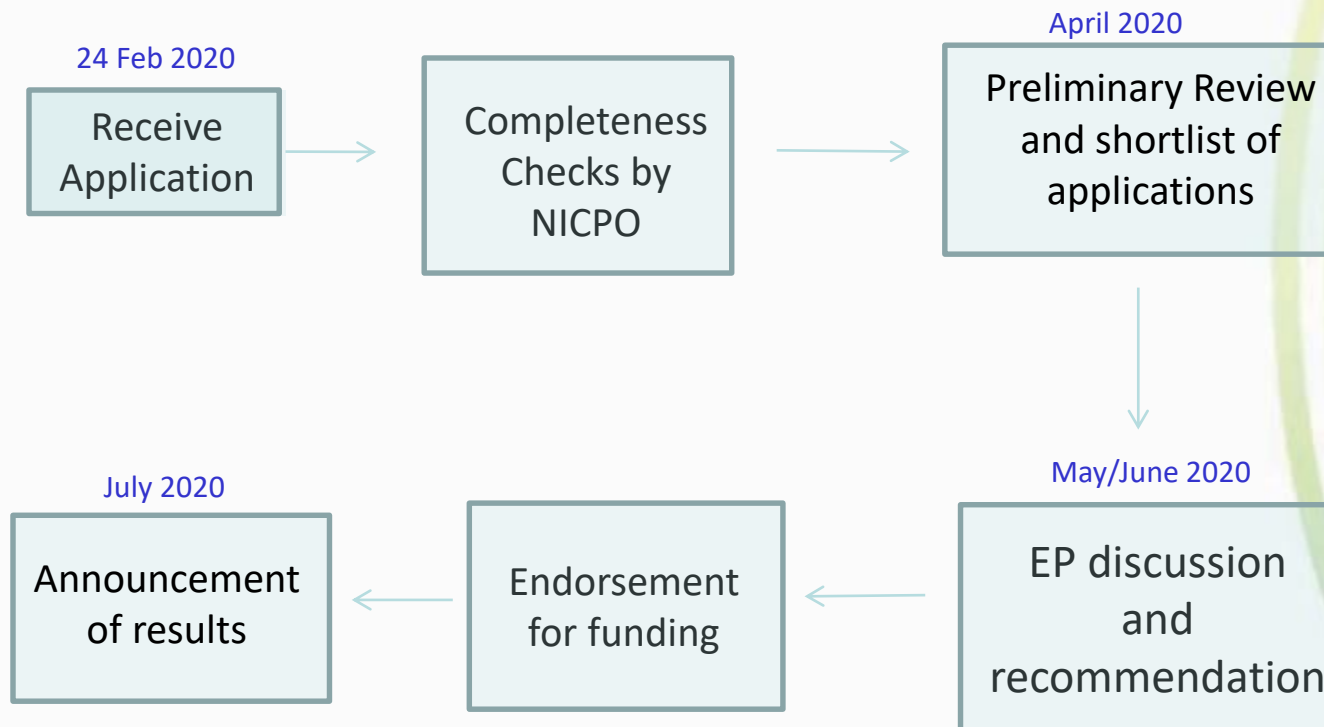
Component	Evaluation Criteria
Innovativeness	The extent to which the proposed idea challenges existing paradigms and employs new methodologies or concepts.
Potential for Impact	The extent to which the proposed idea may have a significant impact on the physical, mental, or social well-being of people 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 the NAM Healthy Longevity Global Grand Challenge	October 2019
Public Briefing	9 January 2020
Call for Applications	17 January 2020
Deadline for Project Proposal Submission	24 February 2020, 5.00pm
Announcement of Results	July 2020

Review Process for Catalyst Awards

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

24 Feb 2020

Receive Application → **Completeness Checks by NICPO** → April 2020 **Preliminary Review and shortlist of applications**

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July 2020 **Announcement of results** ← **Endorsement for funding** ← May/June 2020 **EP discussion and recommendation**

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.

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 <u>one</u> 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 **24 Feb 2020, 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