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## AI SINGAPORE AI IN HEALTH GRAND CHALLENGE FREQUENTLY ASKED QUESTIONS

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### (A) PROGRAMME DETAILS

[Q1. A briefing was held on 8 June 2018 at CREATE Auditorium to introduce the Grand Challenge Scheme. Will the slides be made available to participants and/or those who were unable to attend the scheduled session?](#)

[Q2. Where should I go to download the full set of call documents?](#)

### (B) REGISTRATION AND APPLICATION VIA PORTAL

[Q1. Will interested parties be notified via email once Registration and Application portals are available as stated on AI Singapore website?](#)

[Q2. Are the Registration Portal and Grand Challenge Application Portal located at the same site or do applicants have to access separate systems?](#)

[Q3. Is there a quota on the number of registrants allowed per research institution/entity? Should Research Teams register only after their respective IHL/research institution has shortlisted their proposal for submission to AI Singapore?](#)

[Q4. Is there a maximum number of applications allowed per institutions? Will there be any penalty if there are more than the allocated number of submissions submitted to the Application Portal?](#)

[Q5. It is stated that only one member of the team would be required to register for a user account. Is it compulsory for the Lead PI to be the user?](#)

[Q6. Is there a deadline for registration?](#)

[Q7. Would the user be required to submit the application immediately after completing the registration?](#)

[Q8. Are there any file specifications for the Application Portal?](#)

[Q9. Would the user receive an acknowledgement after the application has been successfully submitted?](#)

### (C) SUBMISSION AND CALL DEADLINE

[Q1. What is the maximum number of proposals each institute or consortium of institutions can submit?](#)

[Q2. Will AI Singapore accept submissions by Research Teams after the institution or consortium of institutions have made a formal submission?](#)

[Q3. Does the Application Portal have a restriction on the number of applications and/or types of applications \(single- vs multi- institution\) to be submitted by each institution?](#)

### (D) ELIGIBILITY CRITERIA OF LEAD PI, CO-PI AND COLLABORATORS

[Q1. Is it compulsory for research teams to attend the briefing before they can qualify and submit an application to the Grand Challenge Programme?](#)

[Q2. Who is eligible to apply as Lead PI and/or Co-PI? Is the Grand Challenge open to staff of all IHLs and/or publicly-funded research institutions in Singapore?](#)



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[Q3. Are Duke-NUS researchers eligible to apply as Lead PI?](#)

[Q4. Can a researcher who has joint appointment with any of the six IHLs and/or A\\*STAR institutes apply as Lead PI or Co-PI?](#)

[Q5. How does AI Singapore define "expert in AI"?](#)

[Q6. Are overseas and/or industry partners/entities allowed to take part in the Grand Challenge project?](#)

[Q7. Is the Grand Challenge call open to Singaporeans only?](#)

### **(E) WHICH ENTITIES CAN HOST FUNDING**

[Q1. Which institutions are included under the broad groupings of 'Institutes of Higher Learning in Singapore \(IHLs\)' and 'A\\*STAR Institutes'?](#)

[Q2. Can the funding be hosted under Duke-NUS?](#)

[Q3. Can part of the funding be channeled to overseas/industry/non publicly-funded institutes/partners/entities?](#)

[Q4. How many cost centers are allowed in the project if the PIs are from multiple institutions?](#)

### **(F) BUDGET PREPARATION AND USAGE OF FUNDING**

[Q1. Can the funding support staff of overseas collaborators and/or research staff based overseas?](#)

[Q2. Should the research team prepare a 2-year or 5-year research budget?](#)

[Q3. Is the grant funding inclusive of indirect research costs \(IRC\)?](#)

### **(G) PROPOSAL PREPARATION AND FOCUS**

[Q1. Are the 3H the most important components to be addressed in the Grand Challenge proposal?](#)

[Q2. At which point should research teams approach IHiS to check on availability of data during the proposal preparation period?](#)

[Q3. Does IHiS charge for use of data/provision of service?](#)

[Q4. Is the Grand Challenge only about data analytics, or about product/device development that will benefit 3H patients?](#)

### **(H) EVALUATION PROCESS (STAGE 1 AND STAGE 2)**

[Q1. Who will sit in the panel that will evaluate the proposals?](#)

[Q2. Please elaborate on the evaluation criteria "performance of prototype", and how will it be applied to all three projects as different projects may or may not have prototype?](#)



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### (I) PROPOSALS NOT SELECTED FOR STAGE 2 FUNDING

[Q1. What happens to projects that are not supported for Stage 2 funding?](#)

### (J) INTELLECTUAL PROPERTY (IP)

[Q1. Our company is very interested in participating in the Grand Challenge project but we have our own IP and are wondering how the company's background IP \(BIP\) will be deposited into the AISG Commons together with the results arising from the project?](#)

## AI SINGAPORE AI IN HEALTH GRAND CHALLENGE FREQUENTLY ASKED QUESTIONS

### (A) PROGRAMME DETAILS

<b>(A)Q1.</b>	<b>A briefing was held on 8 June 2018 at CREATE Auditorium to introduce the Grand Challenge Scheme. Will the slides be made available to participants and/or those who were unable to attend the scheduled session?</b>
<b>A1.</b>	<b>Briefing slides will be shared with the research offices of the respective institutions.</b>  <b>AI Singapore will conduct related events in June/July/Aug. Further information will be posted at the website, <a href="https://www.aisingapore.org/grandchallenge/health/">https://www.aisingapore.org/grandchallenge/health/</a>, when available.</b>
<b>(A)Q2.</b>	<b>Where should I go to download the full set of Grant Call documents?</b>
<b>A2.</b>	<b>Parties interested to obtain the call documents are required to fill in their details at <a href="https://www.aisingapore.org/grandchallenge/health-doc/">https://www.aisingapore.org/grandchallenge/health-doc/</a>.</b>  <b>The documents will be made available once the information has been verified.</b>

### (B) REGISTRATION AND APPLICATION VIA PORTAL

<b>(B)Q1.</b>	<b>Will interested parties be notified via email once Registration and Application portals are available as stated on AI Singapore website?</b>
<b>A1.</b>	<b>The portal will be accessible via <a href="https://www.aisingapore.org/grandchallenge/health/">https://www.aisingapore.org/grandchallenge/health/</a> from early August.</b>  <b>Additionally, AI Singapore will notify interested parties that have deposited their contact details at <a href="https://www.aisingapore.org/grandchallenge/health-doc/">https://www.aisingapore.org/grandchallenge/health-doc/</a> via email once the portal is available.</b>
<b>(B)Q2.</b>	<b>Are the Registration Portal and Grand Challenge Application Portal located at the same site or do applicants have to access separate systems?</b>
<b>A2.</b>	<b>The Registration and Application Portal are the same site.</b>
<b>(B)Q3.</b>	<b>Is there a quota on the number of registrants allowed per research institution/entity? Should Research Teams register only after their respective IHL/research institution has shortlisted their proposal for submission to AI Singapore?</b>
<b>A3.</b>	<b>There is no quota or restriction on the number of registrations per institution. However, there should only be one (1) user registered per Research Team.</b>  <b>Research Teams should also note the maximum number of applications allowed per institution (see (B)Q9 and (C)Q1 for more details).</b>

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<b>(B)Q4.</b>	<b>Will there be any penalty if there are more than the allocated number of submissions submitted to the Application Portal?</b>
<b>A4.</b>	<b>Only proposals endorsed by the authorised representatives of the eligible institutions will be accepted. If the maximum number is not adhered to, AI Singapore retains the right to reject any proposal from that institution without review.</b>
<b>(B)Q5.</b>	<b>It is stated that only one member of the Research Team would be required to register for a user account. Is it compulsory for the Lead PI to be the user?</b>
<b>A5.</b>	<b>Any member of the Research Team can register and represent his/her team. Further details will be provided on the registration and submission requirements soon.</b>
<b>(B)Q6.</b>	<b>Is there a deadline for registration?</b>
<b>A6.</b>	<b>Research Teams must register before 28 September 2018. The Registration/Application Portal will not accept submissions after this date.</b>
<b>(B)Q7.</b>	<b>Would the user be required to submit the application immediately after completing the registration?</b>
<b>A7.</b>	<b>No. Research Teams can register once the Portal is made available in Aug and submit their application anytime before 28 September 2018.</b>
<b>(B)Q8.</b>	<b>Are there any file specifications for the application portal?</b>
<b>A8.</b>	<b>Yes. In the format of <u>pdf</u> and <u>word</u> doc for main proposal application. All supplementary files must be zipped-up in format of <u>.rar</u> or <u>.zip</u>.  The system is designed to block all other file formats.</b>
<b>(B)Q9.</b>	<b>Would the user receive an acknowledgement after the application has been successfully submitted?</b>
<b>A9.</b>	<b>Yes, an email notification will be sent to the registered user.</b>

### (C) SUBMISSION AND CALL DEADLINE

<b>(C)Q1.</b>	<b>What is the maximum number of proposals each institute or consortium of institutions can submit?</b>
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## AI SINGAPORE AI IN HEALTH GRAND CHALLENGE FREQUENTLY ASKED QUESTIONS

<b>A1.</b>	<p>The respective publicly-funded Institutes of Higher Learning (IHLs) and/or A*STAR must adhere to the strict quota set.</p> <p>(i) For NUS, NTU or A*STAR: No more than <u>three (3) applications</u> per institution for Research Team consisting Lead PI and Co-PIs from a single institution.</p> <p>(ii) For SMU, SUTD, SUSS or SIT: No more than <u>one (1) application</u> per institution for Research Team consisting Lead PI and Co-PIs from a single institution.</p> <p><u>Subject to condition (i) or (ii), each institution may submit up to five (5) applications</u> for Research Team consisting Lead PI and Co-PIs from <u>multiple institutions</u> (2 or more institutions).</p> <p>Each institution shall submit no more than five (5) applications subject to the above criteria.</p>
<b>(C)Q2.</b>	<b>Will AI Singapore accept submissions by Research Teams after the institution or consortium of institutions have made a final submission?</b>
<b>A2.</b>	<p>Institutions/consortium of institutions can still submit applications provided:</p> <p>(a) The hosting IHL/A*STAR institute is still within the quota specified; and</p> <p>(b) Submission is before 28 September 2018.</p>
<b>(C)Q3.</b>	<b>Does the Application Portal have a restriction on the number of applications and/or types of applications (single- vs multi- institution) to be submitted by each institution?</b>
<b>A3.</b>	<p>The system does not restrict the number of applications submitted. However, only applications endorsed by the eligible IHLs/A*STAR, and subject to the quota restrictions set for each institution/type of application will be considered.</p>

### (C) ELIGIBILITY CRITERIA OF LEAD PI, CO-PI AND COLLABORATORS

<b>(D)Q1.</b>	<b>Is it compulsory for Research Teams to attend the briefing before they can qualify and submit an application to the Grand Challenge Programme?</b>
<b>A1.</b>	<p><b>No. Attendance to the briefing is not compulsory and does not affect the researcher's eligibility to apply.</b></p>

## AI SINGAPORE AI IN HEALTH GRAND CHALLENGE FREQUENTLY ASKED QUESTIONS

<b>(D)Q2.</b>	<b>Who is eligible to apply as Lead PI and/or Co-PI? Is the Grand Challenge open to staff of all IHLs and/or publicly-funded research institutions in Singapore?</b>
<b>A2.</b>	<p>To be eligible to apply as the Lead PI, the applicant must hold a <b>primary appointment</b> and be <b>salaried</b> in one of the six (6) Institutes of Higher Learning in Singapore (IHLs) and/or A*STAR Institutes.</p> <p>Researchers who are staff of publicly funded research institutions in Singapore, other than those listed under section <a href="#">(E)Q1</a>, are eligible to apply as Co-PIs or Collaborators only.</p>
<b>(D)Q3.</b>	<b>Are Duke-NUS researchers eligible to apply as Lead PI?</b>
<b>A3.</b>	Yes. Duke-NUS is part of NUS, as such, its researchers will be eligible to apply as Lead PI, subject to the eligibility criteria specified under section <a href="#">DQ2</a> .
<b>(D)Q4.</b>	<b>Can a researcher who has joint appointment with any of the six IHLs and/or A*STAR institutes apply as Lead PI or Co-PI?</b>
<b>A4.</b>	Yes, subject to the eligibility criteria specified under section <a href="#">DQ2</a> .
<b>(D)Q5.</b>	<b>How does AI Singapore define "expert in AI"?</b>
<b>A5.</b>	An expert in AI is someone with a proven track record and who has researched/published extensively in AI, machine learning and/or other AI-related areas.
<b>(D)Q6.</b>	<b>Are overseas and/or industry partners/entities allowed to take part in the Grand Challenge project?</b>
<b>A6.</b>	<p>Yes. They can take part as Collaborators and contribute to the research/project. However, no part of the grant shall be sub-awarded/managed by them.</p> <p>If overseas Collaborator(s) and/or the visiting expert plays a major role in the AI in Health Grand Challenge project, he/she should be based in Singapore for at least six (6) months each year.</p>
<b>(D)Q7.</b>	<b>Is the Grand Challenge call open to Singaporeans only?</b>
<b>A7.</b>	No. Researchers of any nationality who meet the eligibility criteria specified under section <a href="#">DQ2</a> can apply.

## AI SINGAPORE AI IN HEALTH GRAND CHALLENGE FREQUENTLY ASKED QUESTIONS

### (D) WHICH ENTITIES CAN HOST FUNDING

<b>(E)Q1.</b>	<b>Which institutions are included under the broad groupings of ‘Institutes of Higher Learning in Singapore (IHLs)’ and ‘A*STAR Institutes’? Which entities qualify as ‘Partnering Institutions’?</b>
<b>A1.</b>	<p><b>The 6 IHLs are:</b>  <b>Nanyang Technological University (NTU)</b>  <b>National University of Singapore (NUS)</b>  <b>Singapore Management University (SMU)</b>  <b>Singapore Institute of Technology (SIT)</b>  <b>Singapore University of Social Sciences (SUSS)</b>  <b>Singapore University of Technology and Design (SUTD)</b></p> <p><b>Details of A*STAR Institutes can be found at: <a href="https://www.a-star.edu.sg/About-A-STAR/Research-Entities/Overview">https://www.a-star.edu.sg/About-A-STAR/Research-Entities/Overview</a>.</b></p> <p><b>Entities that qualify as Partnering Institutions are:</b>  <b>Publicly funded institutes in Singapore</b>  <b>Publicly funded medical institutions in Singapore</b></p>
<b>(E)Q2.</b>	<b>Can the funding be hosted under Duke-NUS?</b>
<b>A2.</b>	<b>Yes. Duke-NUS is part of NUS so all applications will be counted under NUS’ quota.</b>
<b>(E)Q3.</b>	<b>Can part of the funding be channelled/sub-awarded to overseas/industry/non publicly-funded institutes/partners/entities?</b>
<b>A3.</b>	<p><b>Research Teams may engage/procure third party services, where necessary, to conduct selected parts of the work. However, the team is not allowed to contract out the whole or a substantial part of the project to the third party.</b></p> <p><b>Notwithstanding the above, no part of the grant shall be spent on research conducted outside Singapore.</b></p>
<b>(E)Q4.</b>	<b>How many cost centres are allowed in the project if the PIs are from multiple institutions?</b>
<b>A4.</b>	<p><b>Grand Challenge funding may be sub-awarded by the Host Institution to qualified/eligible Partnering Institutions. AI Singapore does not impose a limit on the number of institutions that can manage the grant.</b></p> <p><b>Please refer to section <a href="#">(E)Q1</a> for the details of qualified/eligible institutions.</b></p>



## AI SINGAPORE AI IN HEALTH GRAND CHALLENGE FREQUENTLY ASKED QUESTIONS

### (F) BUDGET PREPARATION AND USAGE OF FUNDING

<b>(F)Q1.</b>	<b>Can the funding support staff of overseas collaborators and/or research staff based overseas?</b>
<b>A1.</b>	<p><b>The funding cannot be used to support EOM costs of staff based overseas.</b></p> <p>Staff of overseas Collaborator(s) can be hired directly through the local IHLs as full-time visiting research fellows (or equivalent). The staff must be based in Singapore and the duration of the appointment must be at least one (1) year.</p>
<b>(F)Q2.</b>	<b>Should the research team prepare a 2-year or 5-year research budget?</b>
<b>A2.</b>	<p><b>Research Teams must propose a 5-year budget. All proposals must cover a 5-year project timeline and outline the planned project tasks, milestones and deliverables.</b></p>
<b>(F)Q3.</b>	<b>Is the grant funding inclusive of indirect research costs (IRC)?</b>
<b>A3.</b>	<p><b>Yes. Both \$5M (Stage 1 Funding) and \$20M (Stage 2 Funding) is inclusive of 20% indirect research costs (IRC).</b></p>

### (G) PROPOSAL PREPARATION AND FOCUS

<b>(G)Q1.</b>	<b>Are the 3H the most important components to be addressed in the Grand Challenge proposal?</b>
<b>A1.</b>	<p><b>The 3H are the only focus of the current Grand Challenge Grant Call and should be the primary components to be addressed.</b></p>
<b>(G)Q2.</b>	<b>At which point should Research Teams engage with the Integrated Health Information Systems (IHIS) to check on availability of data during the proposal preparation process?</b>
<b>A2.</b>	<p><b>Once Research Teams have decided on the type/form of data required, they should send their data requirements to <a href="mailto:grantsupport@aisingapore.org">grantsupport@aisingapore.org</a>.</b></p> <p><b>IHiS will work with MOH to evaluate and advise on data availability and access based on the requirements of the shortlisted proposals.</b></p>
<b>(G)Q3.</b>	<b>Does IHiS charge for use of data/provision of service?</b>

## AI SINGAPORE AI IN HEALTH GRAND CHALLENGE FREQUENTLY ASKED QUESTIONS

<b>A3.</b>	<b>Yes. Access to data is chargeable and the rate will be based on the data and other requirements of the Research Team.</b>
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<b>(G)Q4.</b>	<b>Is the Grand Challenge only about data analytics? Can Research Teams propose product/device development that will benefit 3H patients?</b>
<b>A4.</b>	<b>The AI in Health Grand Challenge is not only about data analytics. Research Teams can propose product/device development but there has to be an AI component to the proposed solution.</b>

### (H) EVALUATION PROCESS (STAGE 1 AND STAGE 2)

<b>(H)Q1.</b>	<b>Who will sit in the panel that will evaluate the proposals?</b>
<b>A1.</b>	<b>The panel has yet to be convened. Members will include local and international experts and stakeholders in AI and healthcare.</b>
<b>(H)Q2.</b>	<b>Please elaborate on the evaluation criteria “performance of prototype”, and how will it be applied to all three projects as different projects may or may not have prototype?</b>
<b>A2.</b>	<b>Prototypes or proposed solutions will be evaluated based on the functional metrics and outcome indicators detailed on Page 10 of the <a href="#">AI Singapore AI in Health Grand Challenge - Rules &amp; Guidelines</a>.</b>

### (I) PROPOSALS NOT SELECTED FOR STAGE 2 FUNDING

<b>(I)Q1.</b>	<b>What happens to projects that are not supported for Stage 2 funding?</b>
<b>A1.</b>	<p><b>Projects will be supported up to the completion of Stage 1. Research Teams that require additional time to conclude their research may apply for an extension of project duration of up to 6 months.</b></p> <p><b>Research scholars who are receiving stipend and fees support from the Grand Challenge grant will continue to be funded post project completion. Support will be capped at the original budget and duration approved for ‘Research Scholarships’ under the project.</b></p>



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### (J) INTELLECTUAL PROPERTY (IP)

<b>(J)Q1.</b>	<b>Our company is very interested in participating in the Grand Challenge project but we have our own IP and are wondering how the company's background IP (BIP) will be deposited into the AISG Commons together with the results arising from the project?</b>
<b>A1.</b>	<b>Each collaboration will be bound by a research contract between your company and the host institution. Under the contract both parties remain the owners of any BIP used in the project and each party grants the other limited rights to use their BIP only for the purpose of the project. While the results of the project will be licensed to the AI Commons, your company's IP will remain unaffected and you will have the ability to access the results from the commons for your own use as well as developing new business for your background IP.</b>