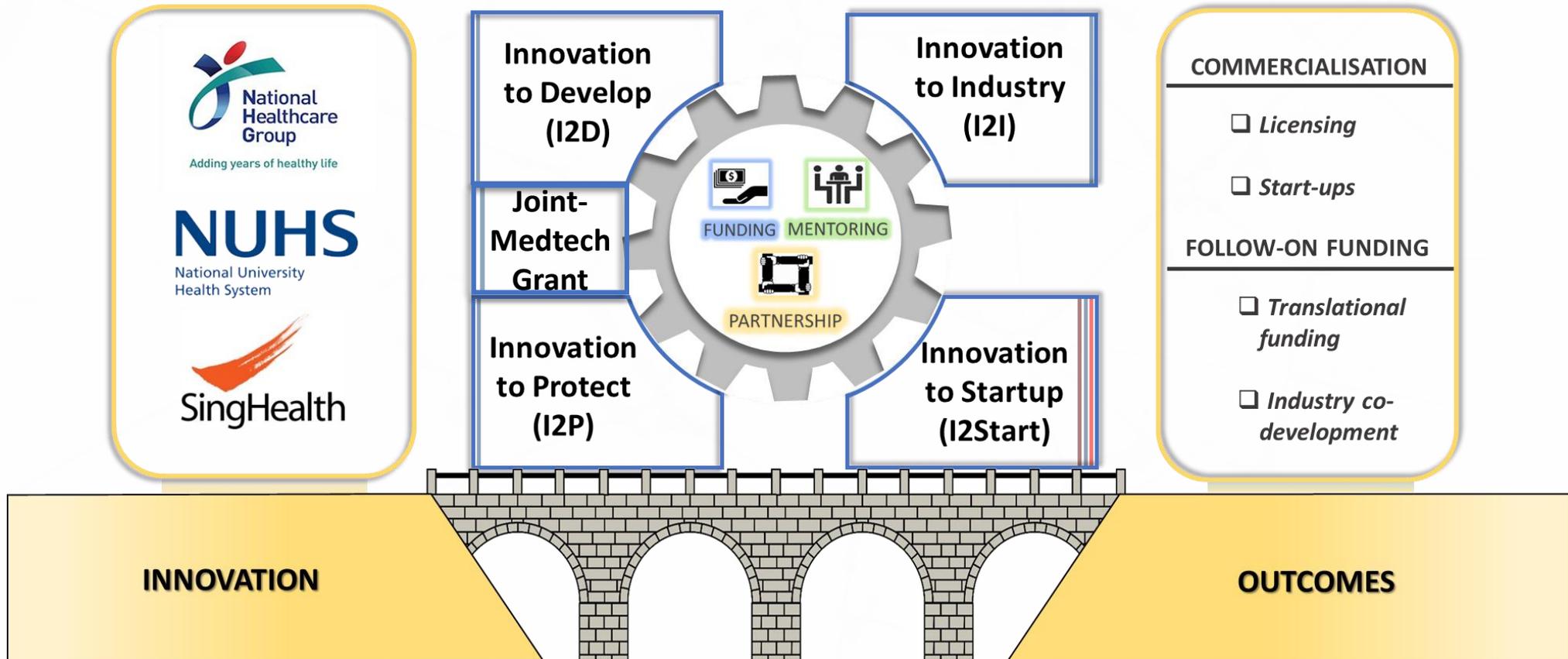

National Health Innovation Centre Grant Schemes

NMRC May 2019 Grant Call Roadshow



NHIC supports clinician-led innovations with funding and strategic guidance to accelerate translation, commercialisation and healthcare delivery.



NHIC does NOT take ownership of IP, recover expenses or take revenue share

TECHNOLOGY AREAS FUNDED



DIAGNOSTICS

Diagnosis performed with the aid of AI based on imaging or sensor reading.

Biomarker based IVDs or CDx for clinical diagnostic and precision medicine applications.

MedTech



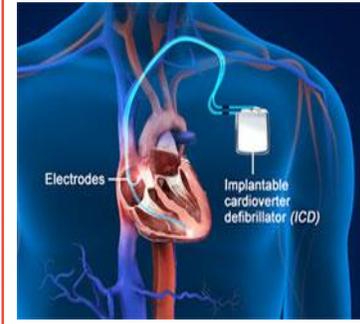
SURGERY TOOL

Use during a procedure, device that are largely mechanical.



HEALTH IT

Apps, VR/AR, Cloud, without a diagnosis.



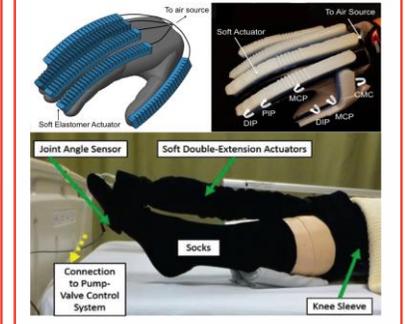
IMPLANT

Implantable devices



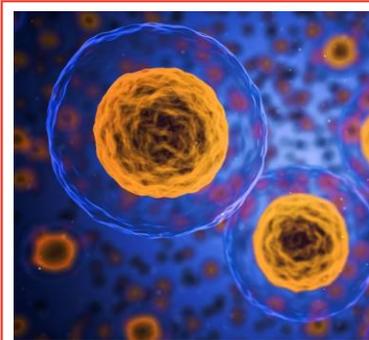
SENSORISED FEEDBACK SYSTEM

Sensor providing close loop feedback to users, semi or fully automated.



THERAPY

Therapeutic Tools



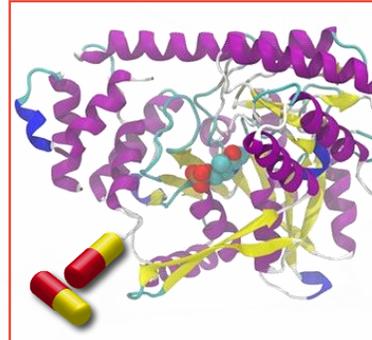
DRUG DELIVERY

Formulations, excipients and adjuvants that improve drug release, distribution and absorption profile.



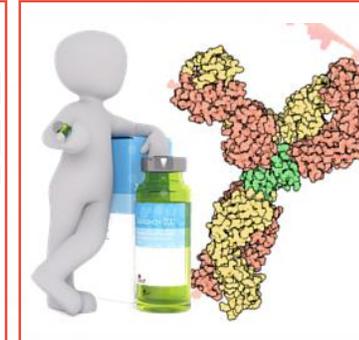
SMALL MOLECULES

Small molecule drug candidates with specific druggable targets.



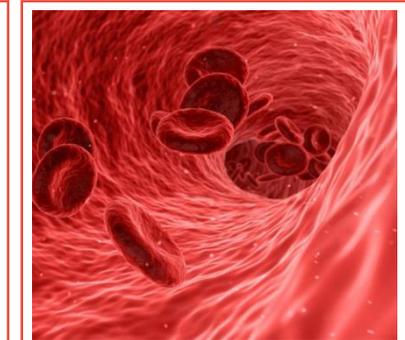
PEPTIDES/PROTEINS

Peptide and protein-based therapeutics targeting specific receptors or biomolecular interactions.



ANTIBODY

Antibody-based (mAbs) therapeutics targeting immune/inflammatory systems or tumour surface antigens.



CELL THERAPY

Approaches in autologous and allogeneic stem cell transplants or adoptive cell transplants (CAR-T).

BioPharma and Stem Cell Therapy

Company Confidential

Innovation to Develop Grant (I2D)

Funding for development of a healthcare innovation to a commercialisable endpoint.

Eligibility Criteria

Principal Investigator must hold primary appointment in a

- local public hospital or
- public health institution or
- national specialty centre or
- academic medical school

and be salaried by the institution



Funding Criteria

- Healthcare impact
- Commercial potential
- Strong preliminary data
- Technology development plan



3

Grant calls per year
1st Friday of:

Apr
Aug
Dec

(institutional dates may vary)



\$250,000

(inclusive of max.
20% IRC)



12 months

(max. 6 months
extension)



Submission

via designated office
of healthcare cluster

Innovation to Industry Grant (I2I)

Co-development of healthcare innovation with an industry partner.

Eligibility Criteria

- Successfully completed I2D funded projects (or equivalent as deemed appropriate by NHIC)
- Co-development with an industry partner to license the technology.



Funding Criteria

- Healthcare impact
- Commercial potential
- Clinical feasibility data
- Binding agreement with an industry partner as a licensee



Open

Throughout the year

Application by Invitation only



\$250,000

Awarded to institutions
(inclusive of max. 20% IRC)



12 months

(max. 6 months extension)

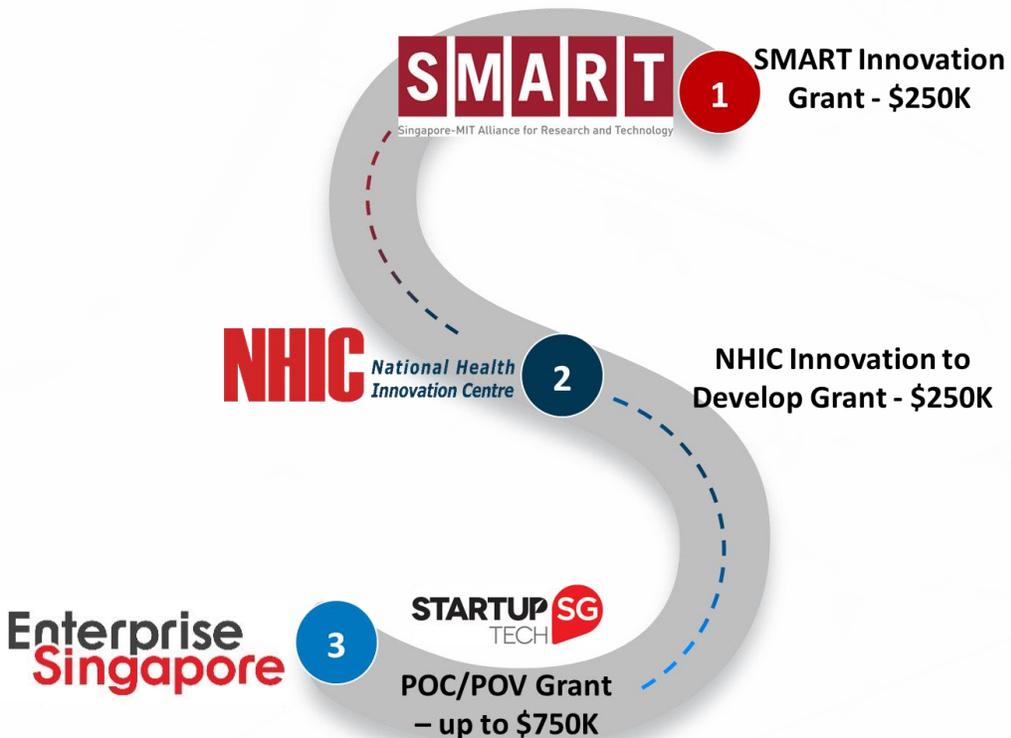


Submission

via designated office of healthcare cluster

Innovation to Startup (I2START)

A premium funding program targeted at MedTech start-ups from Singapore public institutions.



Eligibility Criteria

- Entry: TRL 3* and above
- Medical Technologies in the following areas;
 - Clinical diagnostics
 - Medical device and products
 - Digital health
 - Life science tools
- Team with the intent to start-up a company
- Team must consist of one Clinical PI and Technical PI from public institutions

Clinical PI must hold primary appointment in a

- local public hospital or public health institution or national specialty centre or academic medical school and be salaried by the institution

The tripartite partnership between NHIC, SMART, and Enterprise Singapore strategically bring together funding and resources to support start-ups.

Company Confidential



Open Call

Throughout the year



Letter of Intent

Submit LOI to I2Start Grant Secretariat at grant@nhic.sg

Innovation to Startup (I2START)

VALUE PROPOSITION



Alignment of funding criteria across 3 funding bodies (SMART, NHIC & ENTERPRISE SINGAPORE)



Bridge project funding gap by creating a seamless funding pathway



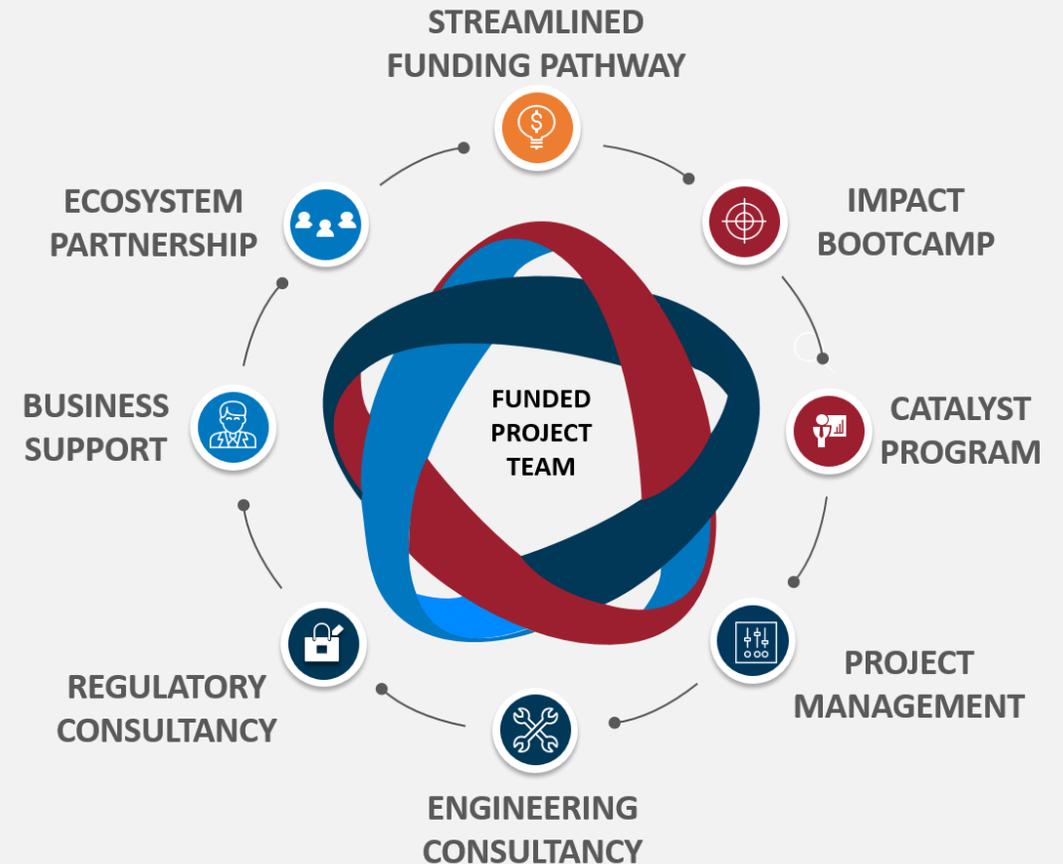
Reduced paperwork for applicants



Reduced waiting time and need for subsequent grant application and approval



Project resources and support from multiple agencies for funded teams



National Research Foundation (NRF) Central Gap Fund (Central Gap)

A national-level platform to resource impactful and preferably collaborative projects to translate research outcomes into products, processes and/or services that generate economic and societal benefits for Singapore.

Eligible Entities

Local public hospitals, public health institutions and national specialty centres.

NHIC's Role

- NHIC is the designated Innovation and Enterprise Office (IEO) for public hospitals, public health institutions and national specialty centres.
- All Central Gap applications must be endorsed by NHIC in its capacity as IEO.

Funding Criteria

- Project scope
- Commercialisation potential
- Team composition
- Technical innovation
- Institutional support



Open

Throughout the year
Applications to be
batch processed



>\$750,000



24 months



Pre-engagement

with NHIC is required

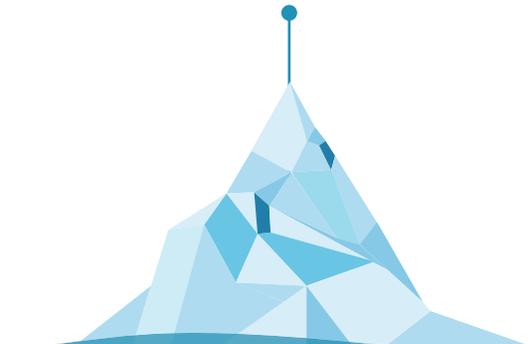
More info please visit www.nrf.gov.sg/funding-grants/central-gap-fund

Common Pitfalls



Well-defined clinical unmet need

Describe a technology targeting a well-defined clinical unmet need



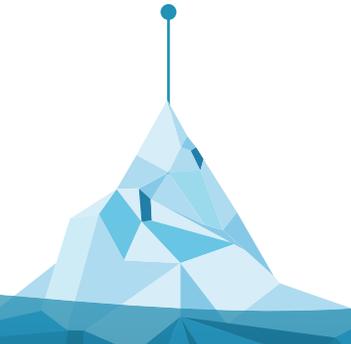
Weakly defined unmet need

The unmet needs are unconvincing due to flawed assumptions e.g. personal observations that may not reflect the regional or global perspective. Support the need statements with clinical workflows.



Feasible development plan

The application must contain a feasible development plan that enables commercialisation



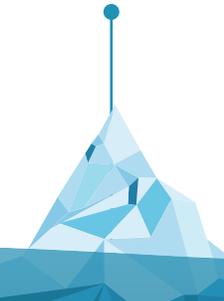
Incoherent development plan

Technology development plans that do not optimize and unclear in developing the next stage. I2D grant is incorrectly perceived as a PoC grant. The grant aims to address the translational gap and achieve commercialisation endpoints.



Strong preliminary data

As this is a translational grant, applications must be accompanied by strong preliminary data showing PoC for the underlying technology



Insufficient data points & Unconvincing team composition

Do not use data in another clinical indication and assume that it will work in the new one. If the project team has the intention to start-up, someone within the team needs to drive the commercialisation endeavours.

NHIC supports your Innovation Journey

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