



National Health Innovation Centre

NMRC Grant Call Roadshow

4 October 2016 – COMB Auditorium

6 October 2016 – NUHS Tower Block Auditorium

National Health Innovation Centre

Provide Singapore's clinical research sector with translational funding and strategic guidance to stimulate healthcare innovation and commercialisation

COMMERCIALISATION

*Licensing
Spin outs
Commercial Collaborations*

FOLLOW-ON FUNDING

*Translational funding
Incubator
Industry co-development*

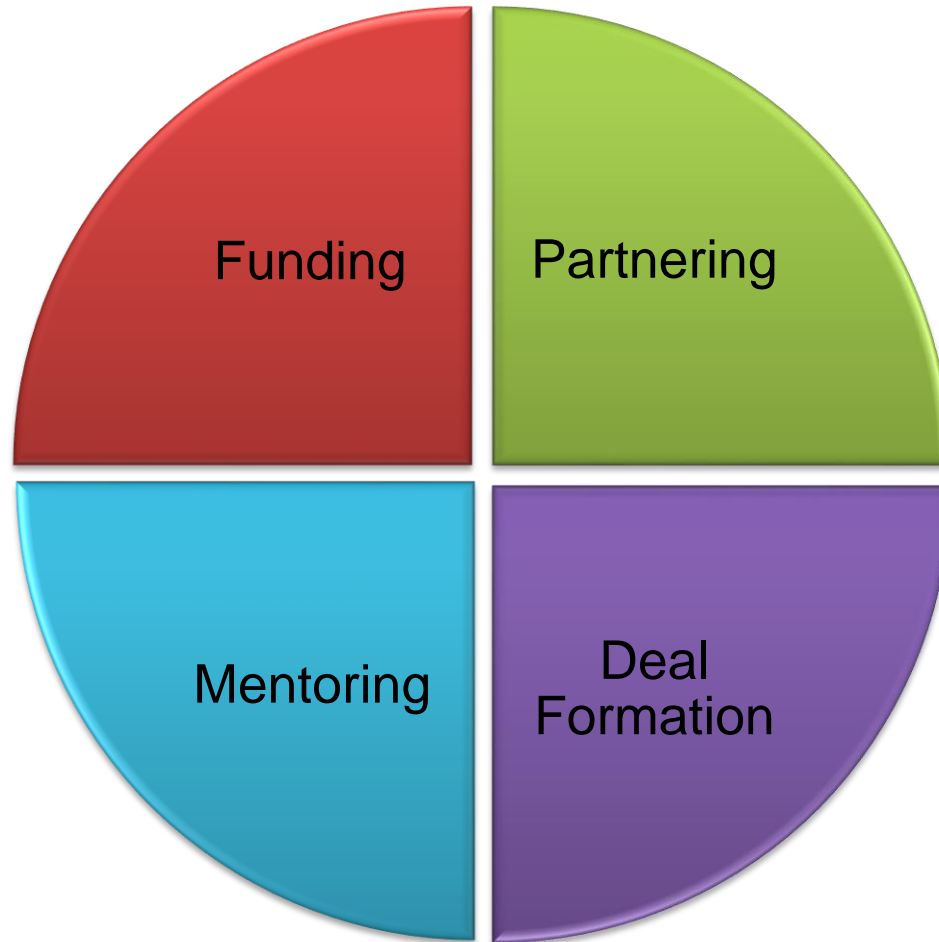


Clinician-led projects **with healthcare impact** and **commercial potential**



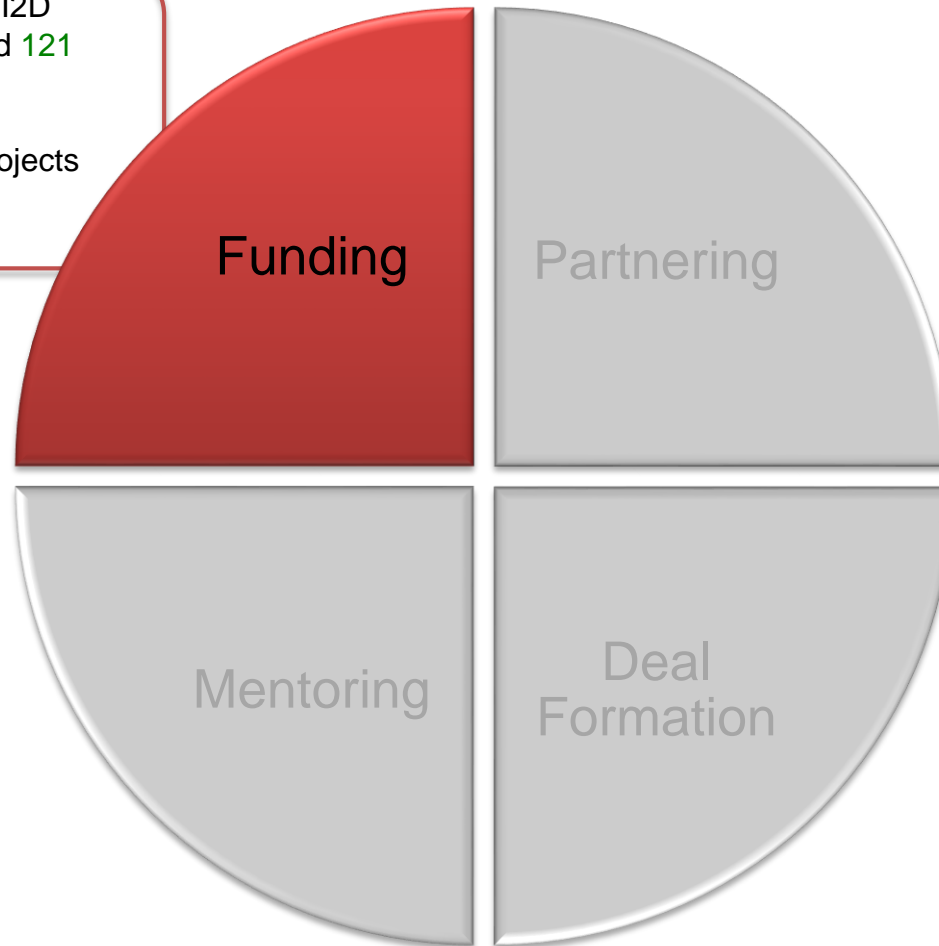
NHIC Objectives

Identify and support projects with healthcare impact & commercial potential



Objectives - Funding

- Closed 7 calls for I2D grant and received 121 applications
- Funded 24 I2D projects and 14 I2P patent applications



Innovation to Protect (I2P) Grant

Funding for protection of Intellectual Property

Applicant Criteria

- Hold a primary appointment in a local public healthcare institution
- Must be one of the inventors on the IP (including shared IP)

Invention Criteria

- Strong patentability position
- Data demonstrating application of invention
- Plan detailing further development of invention

Funding

- Submit application through your Research Office to ip@nhic.sg anytime throughout the year
- Quantum and duration vary with stage of patent protection
- Maximum grant allowed up to \$40,000

**INNOVATION
TO
PROTECT
(I2P)**

Innovation to Develop (I2D) Grant

Funding for development of innovative healthcare technologies towards commercialisation

Applicant Criteria

- Hold a primary appointment in a public healthcare institution
- Project team must have strong clinical, scientific and technical representation

Project Criteria

- Preliminary data generated using the innovation
- Detailed development plan highlighting healthcare impact, milestones and endpoint
- Commercialisation strategy and route to market

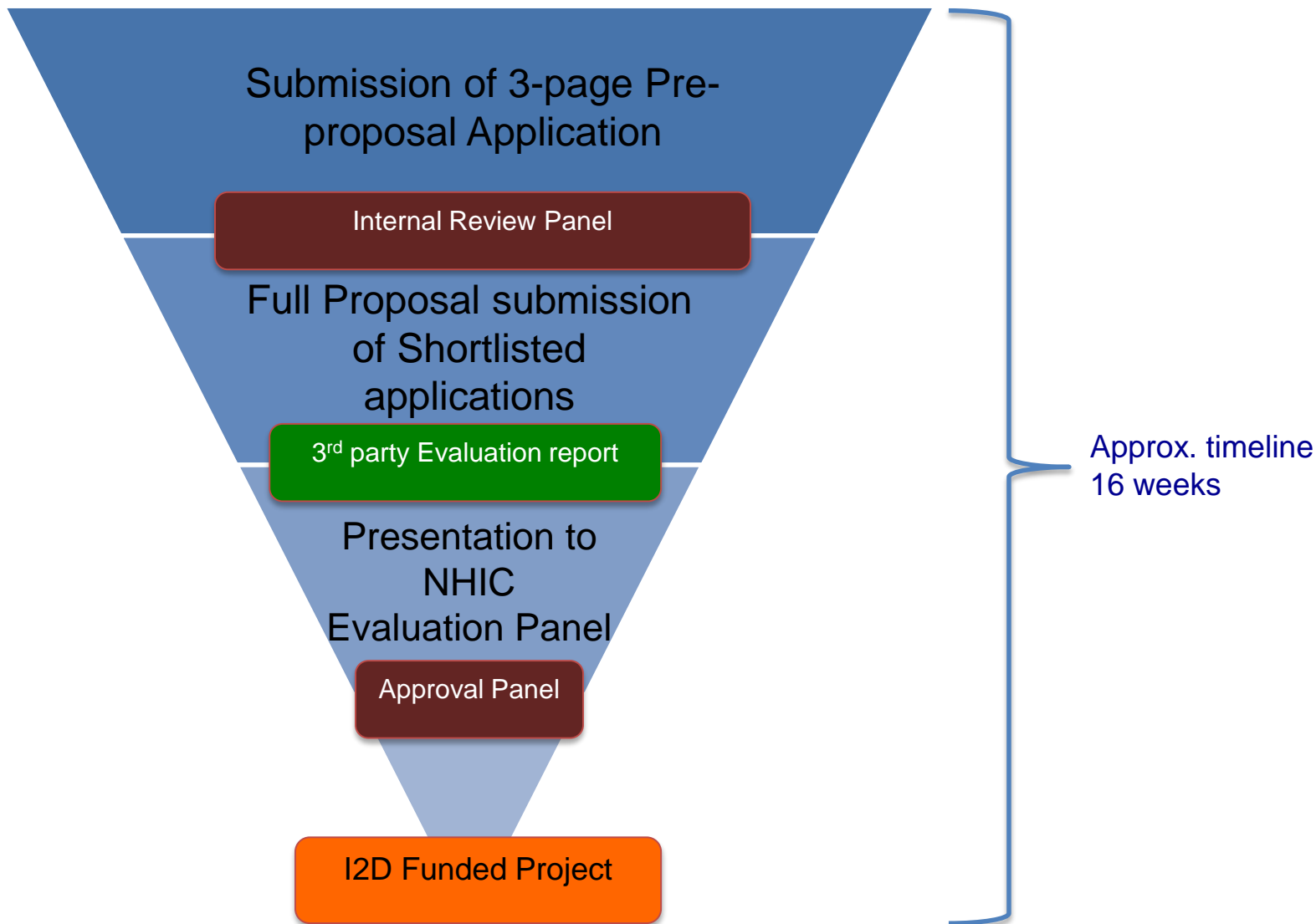
Funding

- Submit the pre-proposal to grant@nhic.sg through your Research Office
- Quantum of up to \$250,000 for a duration of 12 months
- Pre-proposal submission cut-off date: **23 Dec 2016**

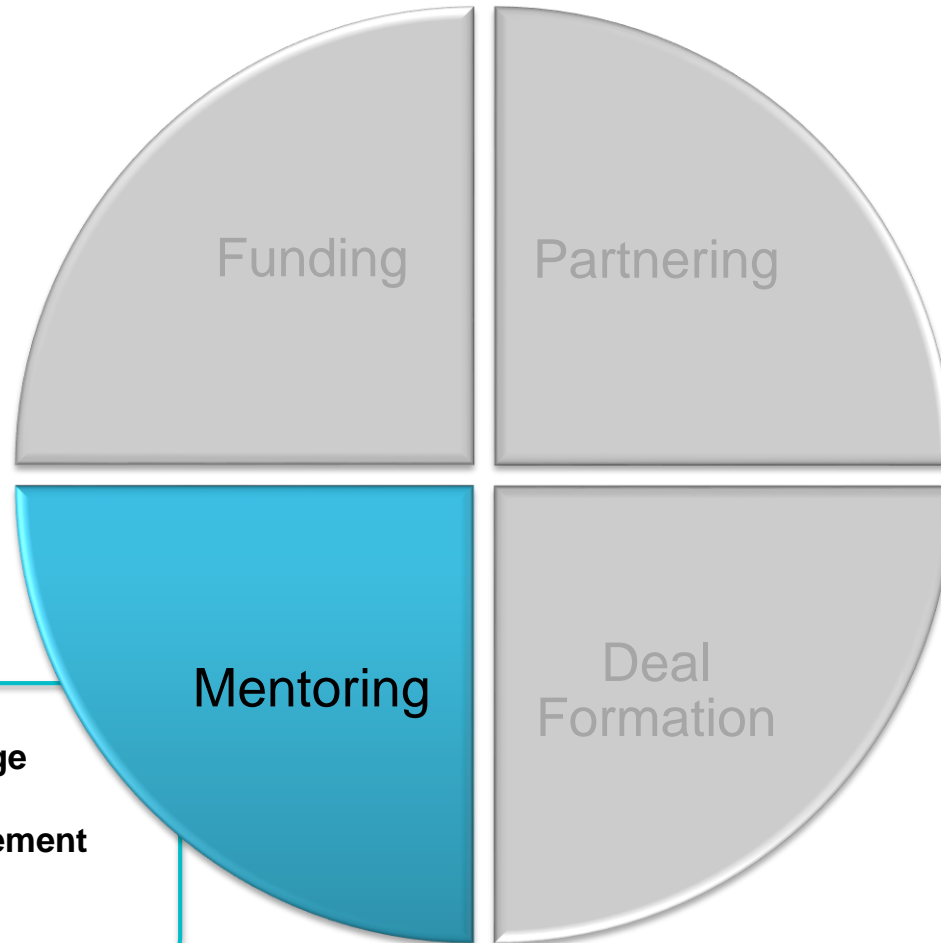


**INNOVATION
TO
DEVELOP
(I2D)**

I2D Grant Process Flow



Objectives - Mentoring



- **IP strategy/triage**
- **Project management**
- **Specialist consultancy**

Consultancy Support for Funded Projects

Regulatory & Quality Management

To provide advice on regulatory and quality issues, including but not limited to:

- technical document template set up;
- regulatory strategy;
- product & user requirements specifications;
- essential principles checklists;
- risk management;
- design validation and verification (V&V);
- manufacturing considerations (manufacturability; process V&V);
- quality management systems;
- clinical trials

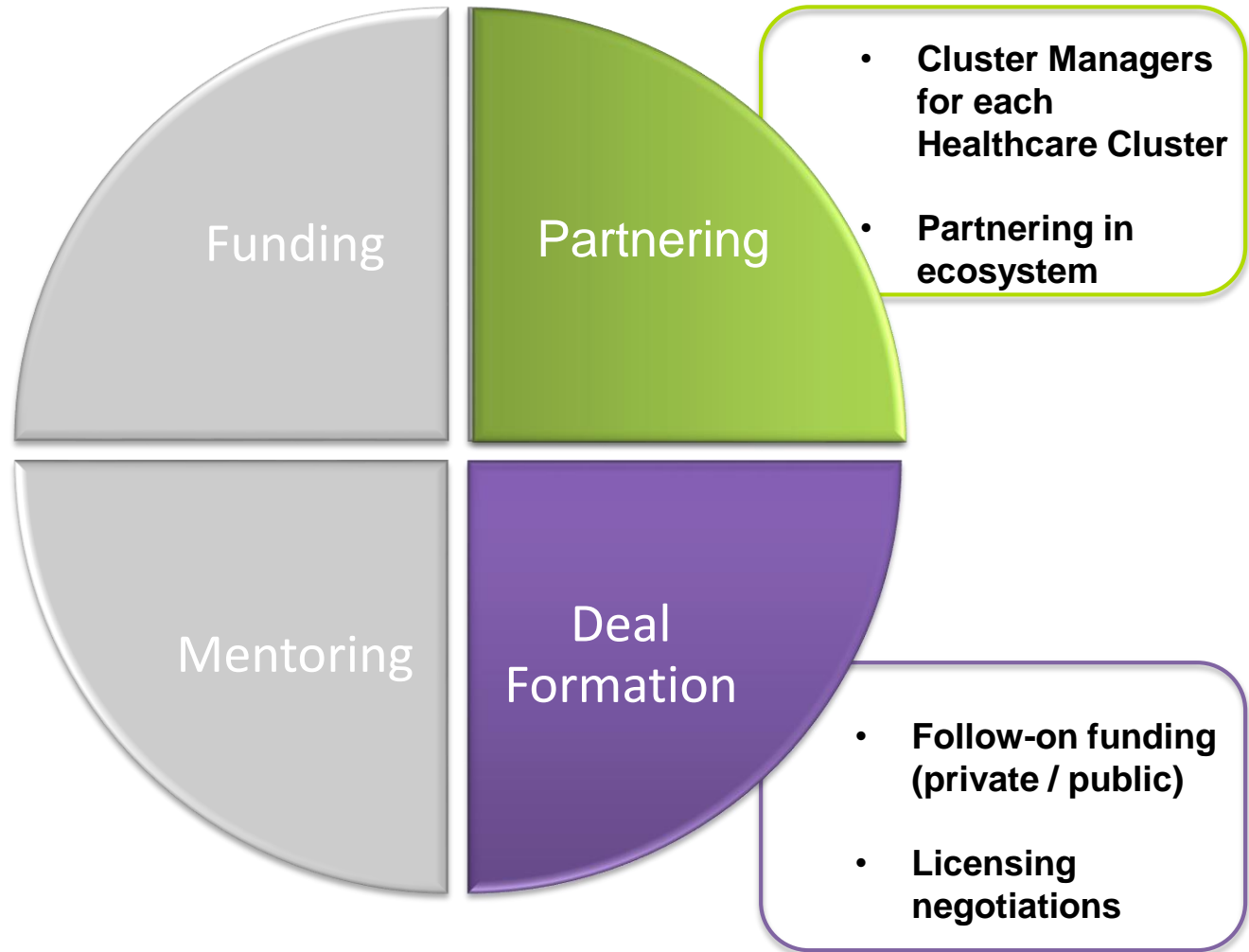
Technology & Business Development

To provide advice on commercial aspects, business development and market access, including but not limited to:

- situation and competitor analysis;
- commercialisation strategy;
- health economics considerations;
- stakeholder engagement;
- engineering considerations;
- technology marketing;
- commercial inputs for development, regulatory and clinical plans

Underpinned by NHIC Project Management

Objectives – Partnering and Deal Formation



NHIC Website



NHIC National Health Innovation Centre

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ACCELERATING HEALTHCARE INNOVATION

National Health Innovation Centre

The National Health Innovation Centre provides the publicly-funded clinical research sector of Singapore with transitional funding and strategic guidance to accelerate healthcare innovation. Established in 2014, we support the development of innovative technologies and services to improve healthcare delivery and patient care. NHIC funding aims to expedite the translation of an innovation towards a market-ready product (see [how we work](#)).

NHIC funding schemes


Our three funding streams are for projects which address an unmet healthcare need and have demonstrated 'proof-of-principle' supported by experimental data. Each scheme targets different stages of the innovation development pipeline and all proposals for our funding must address intellectual property management, the commercialisation strategy and public health impact of the innovation. Collaborations with industry are encouraged if they strengthen the proposal.

RECENT NEWS

- NHIC at Technovation 2015
Sep 10, 2015
- Pioneering research collaboration with AstraZeneca
Aug 26, 2015
- I2D Pre-proposal closing date: 25th September 2015
July 6, 2015
- Next I2D grant closing date: 26th June 2015
May 16, 2015



Innovation to Protect Innovation to Develop Innovation to Implement



NHIC National Health Innovation Centre

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HOW WE WORK

How we work

The NHIC team members have strong track records in the identification and commercialization of intellectual property from academic, clinical and commercial fields (see [Our Team](#)). The depth and breadth of this experience is offered under each NHIC award, where their expertise and resources will be applied to the evaluation and nurturing of innovations along the commercialization pipeline.

NHIC will add value by adopting an active role in the mentoring of applicants and their respective teams at all stages, from early stage discussions through to the funding of the application and post-award management of projects (including progress against milestones and commercialization).

NHIC is able to bring in specialist consultants as required (in addition to funding awarded to the projects) to assist with regulatory information, business development etc as necessitated by the individual projects.

Through this committed involvement, NHIC aims to deliver the significant healthcare impact desired under the schemes.

I2P Applications

For details on I2P submission, please see [I2P](#).

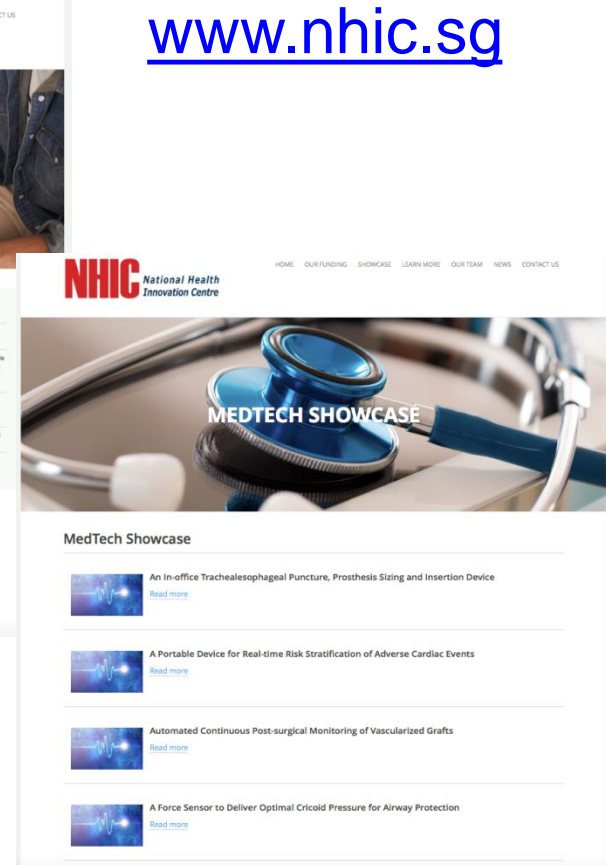
The I2P applications will be reviewed by the NHIC Review Panel, which comprises the [NHIC team](#) and selected external experts, before final approval from the Director of NHIC.

The target review periods are as follows:

RECENT NEWS

- NHIC at Technovation 2015
September 10, 2015
- Pioneering research collaboration to provide Singapore clinical researchers access to AstraZeneca compounds
August 26, 2015
- I2D Pre-proposal closing date: 25th September 2015
July 6, 2015
- Next I2D grant closing date: 26th June 2015
May 16, 2015
- First recipients of NHIC I2D grants
April 19, 2015

www.nhic.sg







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MEDTECH SHOWCASE

MedTech Showcase

-  **An In-office Tracheoesophageal Puncture, Prosthesis Sizing and Insertion Device**
[Read more](#)
-  **A Portable Device for Real-time Risk Stratification of Adverse Cardiac Events**
[Read more](#)
-  **Automated Continuous Post-surgical Monitoring of Vascularized Grafts**
[Read more](#)
-  **A Force Sensor to Deliver Optimal Cricoid Pressure for Airway Protection**
[Read more](#)

- Funding schemes
- Application documents
- How we work
- Funded projects
- News
- Our team and partners



Thank you

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