

Healthcare Innovation from Academia into Practice with NHIC Funding

29th August 2017



One Stop Platform for Healthcare Clusters

NHIC is a one stop platform providing support to healthcare clusters to accelerate healthcare innovation. NHIC does not take ownership of IP, nor recover expenses/take revenue share



National Health Innovation Centre

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



Accelerating Healthcare Innovation



I2P Portfolio Analysis

Total I2P Applications = 45



I2P Applications Approved: 39



Licence Information	No. of patent families licensed
Stackable Cryogenic vials (NUHS)	1
Ready-to-eat texture modified meal (EHA)	1
Identification and Quantification of Zika Virus (NHG)	1
Device for insertion into a body cavity (NUHS)	1
Fibrosis antibodies (SingHealth)	4

Total Funding Amount Committed: \$525,500



NB: Updated as of June 2017

I2D Portfolio Analysis Funding profile



Funded projects by potential outcome

I2P Licensing Case Study

Ready-to-eat Textured Modified Meal (EHA)



Invention

- The method of processing and preparation of the product.
- 14 recipes and three textures finely minced, coarsely minced, and blended to suit patients with swallowing difficulty.



Engagement and Evaluation

- Performed a Prior Arts Search for patentability.
- Guided the inventor on patent and claims drafting.
- Funded Provisional and PCT patent applications under I2P.

Strategy and Marketing



- Participated TechInnovation 2015, IP marketplace exhibition.
- Guided CGH team on licensing valuation, agreement drafting & review, and negotiations with the licensee.

Commercial and Economic Outcomes

- Inked an exclusive license to Health Food Matters, S'pore SME.
- Acquired a central kitchen to produce 2,000 meals daily.
- Product launch in Q2Y2017 in Singapore.











*Signing Ceremony between CGH & Health Food Matters on 19 Sep 2016



I2D Project Case Study

Development of a Portable Device for Real-time Risk Stratification of Adverse Cardiac Events

Pilot clinical trial at SGH



Clinical Need:

- Chest pain patients may proceed to a Major Adverse Cardiac Event (MACE)
- Stratify chest pain patients re risk of MACE



Solution:

 Intelligent software incorporating heart rate variability, ECG, vital signs for rapid real-time risk stratification of chest pain patients



Value Proposition:

• Early intervention and intensive monitoring of only atrisk patients to reduce clinical workload

> Project Outcome



Target Market:

• Chest pain is second principal reason for visits to ED in US. 129.8m visits in US; 120,000 at SGH



PI: A/Prof Marcus Ong (SGH)



Thank you

