

Clinician Innovator Development Programme (CINDP)

Unmet needs and technology are driving healthcare providers to achieve greater quality and outcomes, optimum connectivity and communication among caregivers, and seamless interoperability of medical devices and IT systems, while closely coordinating care, increasing care outcome and adding value.

CINDP is designed to develop clinician innovators and enable them to develop novel solutions by making innovative changes to the healthcare system through devices, in-vitro systems and approaches, with an emphasis on "inside-out" solutions.

This programme is co-organized by Academic Development Department (ADD), a department of Duke-NUS Office of Academic & Clinical Development (OACD), and SingHealth Medical Technology Office (MTO).

TARGET LEARNERS

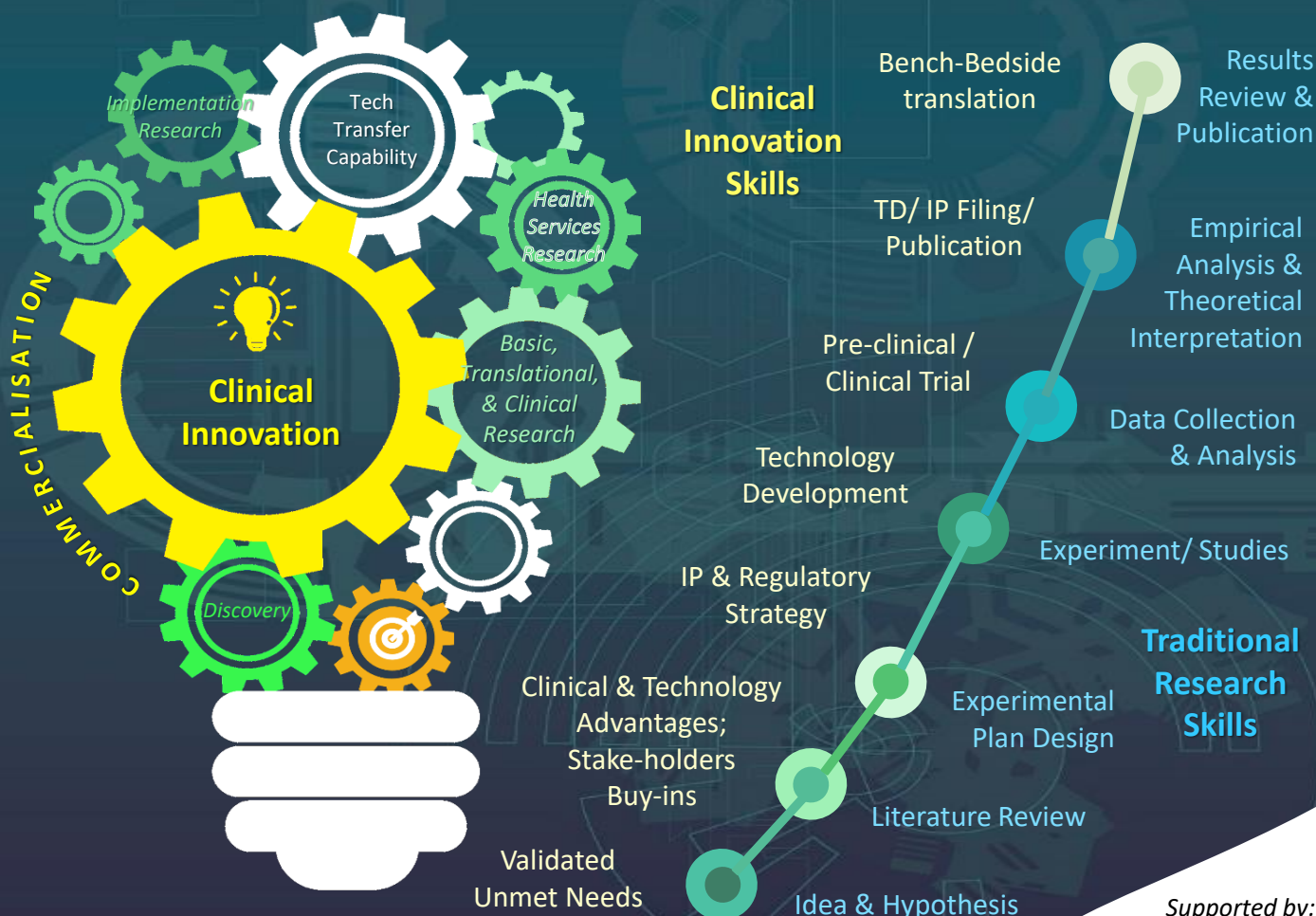
All clinicians with an interest in clinical innovation research

MILESTONES FOR CIN TRACK

- Grants supporting research/innovation projects
- Technology declarations/ Intellectual property
- Teaching/Education/ Mentoring roles in clinical innovation
- Licenses/Agreements with companies
- Facilitation roles in Hackathons
- Role in start ups

PROGRAMME DIRECTOR

Adj Assoc Prof Chan Wei Shih, Derrick



For enquiries, please email add@duke-nus.edu.sg

Supported by:



METHODOLOGY

- ✦ Seminars, workshops, networking sessions, industry interaction.
- ✦ Modular “toolbox” education for situation-specific skilling or formal training and education as a clinician innovator
- ✦ Guidance on career, funding opportunities and grant proposal preparation
- ✦ Formal recognition of Clinician Innovator-specific metrics and career milestones



SEMINAR

- ✦ 18th SMART Grant Call - All You Need to Know!
- ✦ Regulatory Strategy for Software and App-based Medtech Innovations
- ✦ Business Plan Writing Fundamentals for Healthcare Innovators
- ✦ Health Technology Assessment Considerations for Healthcare Innovators
- ✦ IEC62304 and Quality Management for Software Development



WORKSHOP FOR ACP*

- ✦ Clinical Need Finding, Need Statement.
- ✦ Need Filtering (based on Disease State, Treatment Gap, Market Size, Stakeholder Alignment)
- ✦ Hands-on practice: Need Statement and Filtering.
- ✦ Brainstorming. Hands-on practice: Brainstorming Exercise.
- ✦ Concept Filtering Part 1 (Technical Feasibility, IP Position). IP Basics in Singapore, US. Patent Search Techniques. Hands-on practice: IP Search and Strategy.
- ✦ Concept Filtering Part 2 (Regulatory Pathway, Reimbursement Risk).
- ✦ Introduction to ISO13485, Singapore, China, EU and US regulatory environments.
- ✦ Prototyping Basics.
- ✦ Basics of Preclinical and Clinical Trial Strategy.
- ✦ Ops Plan, Financial Model and Fundraising Basics.
- ✦ Clinician Innovator Sharing and Wrap-up

**Topics and duration can be customized to meet ACP's requirement*