



Graduate Certificate in Global Health Innovation

TRANSFORMING

TOMORROW'S

HEALTHCARE



DukeNUS
Medical School

The World Needs Your Ideas



Asia's healthcare systems face immense challenges that demand innovative, context-specific solutions. Traditional tools and approaches are no longer enough to meet the region's growing and complex needs.

The Graduate Certificate in Global Health Innovation equips you with the knowledge to turn bold ideas into transformative realities. Through a global health lens and guided by industry experts, you'll learn how to develop, market, and scale health technologies that address Asia's unique healthcare challenges.

This is your moment to make a difference - turn your vision into innovations that will shape the future of health for generations to come.

"The most transformative breakthroughs in history have been driven by bold innovation in health and medicine.

However, we continue to face vast inequalities in health access, escalating healthcare costs, shortages of health professionals, and growing threats from climate change.

These realities demand fresh thinking, new solutions, and an unwavering commitment to change."



Dr. Jonas Karlström

Associate Professor,
Core Lead, Innovation in
Global Health

Global Health Innovation,
Graduate Certificate
Programme Director

SingHealth Duke-NUS Global
Health Institute

Your Programme Director

Dr. Jonas Karlström is a Swedish MD and Associate Professor with over 15 years of experience in paediatrics, global health, and health innovation. Before joining SDGHI, he held key roles at UNICEF, leading initiatives like scaling oxygen therapy in West and Central Africa during the COVID-19 pandemic. At SDGHI, he has spearheaded projects on trauma care in Sri Lanka and launched Asia's first Graduate Certificate in Global Health Innovation. He has extensive experience in low-resource settings and holds additional expertise in business management from the Stockholm School of Economics.

Catalysing Asia's Healthcare Evolution

Innovation With a Purpose

Transform your ideas into impactful solutions that address Asia's pressing healthcare challenges. Gain technical tools and theoretical frameworks to develop transformative technologies, implement innovations effectively, and craft the policies needed to support them - all with a focus on elevating health systems in the region.

End-to-End Learning

Bridge the gap between concept and execution. With the guidance of globally renowned faculty, equip yourself with the skills to translate innovative ideas into market-ready products and services. Delivered through an Asian lens, the Graduate Certificate provides world-class insights into the complexities of health and healthcare innovations in Asia and beyond.

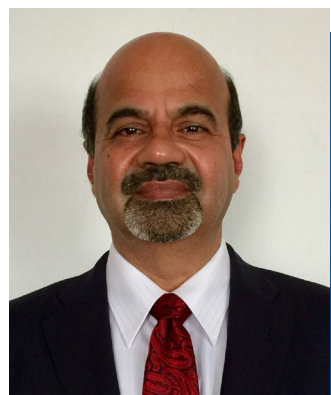
Human-centred Thinking

Put the end-user at the heart of your innovations. Master design thinking, systems thinking, and needs analysis to create resource-efficient solutions that expand healthcare capacities and increase accessibility - all essential for the development of sustainable health systems.



Meet Your Mentors

Taught by seasoned industry veterans who bring years of hands-on experience to the classroom, the Graduate Certificate in Global Health Innovation will connect you with seasoned practitioners whose expertise offers invaluable, practical insights into navigating the complexities of the global health innovation landscape.



**Adjunct Associate Professor
Alok MISHRA**

Commercial Discovery Lead
and Industry Mentor, DHIP,
Duke-NUS Medical School
Ex-J&J Medical APAC
CEO, Value Addition



Dr Rena DHARMAWAN

Consultant-Surgeon,
National Cancer Centre
Singapore
Assistant Dean & Professor,
Duke-NUS Medical School
Programme Director, DHIP



Dr Bipin BHOLA

Assistant Professor,
Office of Innovation and
Entrepreneurship
Curriculum Lead, DHIP
Group CEO, Kaleidoscope
Therapy Group
Ex-Jumpstart, SingHealth
Innovation



Professor Nicholas GRAVES

Professor and Deputy Director,
Signature Research Programme
in Health Services & Systems
Research
Duke-NUS Medical School



Professor John LIM

Executive Director, Centre of
Regulatory Excellence
Lead, Policy Core, SingHealth
Duke-NUS Global Health
Institute
Duke-NUS Medical School



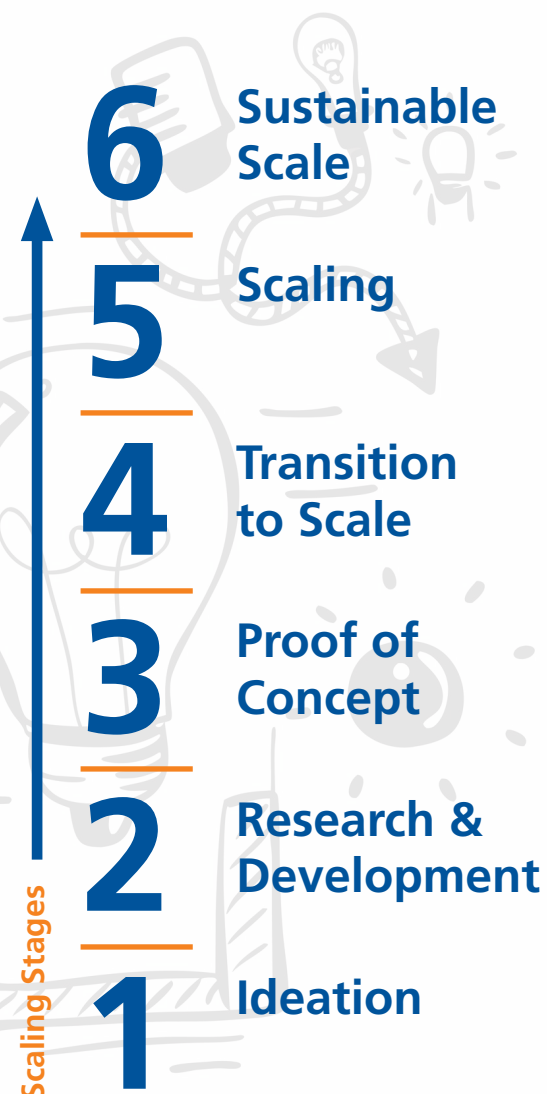
Dr Daniel MAHADZIR

Research Fellow, Innovation
Core, SingHealth Duke-NUS
Global Health Institute
Duke-NUS Medical School

Course Structure

The Graduate Certificate is designed to align with the Scaling Stages of Innovation framework, following the steps taken to bring health innovations to market. From implementation to adoption to scaling, bring the theory you learn to life through real-world applications tailored to the realities of diverse healthcare landscapes.

Graduate Certificate in Global Health Innovation



Innovation Implementation, Adoption and Scaling in Global Health

- Scaling for impact
- Digital health innovation
- Uptake and advocacy

Bringing Global Health Innovations to Market

- Stakeholder management
- Regulations and governance
- Options for funding

Approaches to Global Health Innovation

- Design systems thinking
- Needs assessment
- Managing and executing innovation projects

Practice of Global Health in Asia: An Introduction

- Fundamental insights
- Regional comprehension
- Disease burdens and health systems

GMS6961

Practice of Global Health in Asia: An Introduction

This course provides a comprehensive overview of the main issues related to global health. Global in coverage but with a focus on low- and middle-income countries (LMICs), particularly in Asia, it provides an overview of the most important health challenges facing the world today. Attention to socio-economic determinants of health, the imperative for health equity, the role of health systems, and the linkages between health and other multidisciplinary aspects will be maintained throughout the course.

GMS5161

Approaches to Global Health Innovation

This course focuses on a structured innovation process for global health in resource-constrained settings. It starts with an in-depth analysis of population needs and the key factors driving them using design thinking, you will develop value propositions and innovative solutions. You will also design delivery models to implement those solutions within your respective contexts.

GMS5162

Bringing Global Health Innovations to Market

Designed for professionals in healthcare, health technology, and related sectors, this course equips you with the knowledge and skills to translate health innovations into market-ready products and services. You will gain a deep understanding of the key stages in ideation, development, regulatory approval, and commercialisation - while learning to navigate complex global health landscapes, manage regulatory and compliance challenges, and develop strategies for successful market entry and sustainability.

GMS5163

Innovation Implementation, Adoption and Scaling in Global Health

This course equips you to drive healthcare innovation from local to global impact. It covers the key elements for adopting and scaling global health innovations, starting with a Vision of Scale. You'll explore critical stages, strategies, processes, best practices, and challenges focusing on resource-constrained environments. The course also addresses key factors for ensuring sustainability beyond initial scaling.

Admission Matters

Entry Requirements

- A Bachelor's degree in any field
- Minimum of three years of work experience
- TOEFL/IELTS or equivalent if English was not the medium of instruction during undergraduate studies

Course Fees

\$21,600 excluding 9% GST

Comprising 4 courses leading up to the **Graduate Certificate in Global Health Innovation**, awarded by the National University of Singapore.

Course fees are payable per semester and do not include miscellaneous fees. SkillsFuture Singapore (SSG) Funding Schemes are not available for this programme.



**We are not just trying to
imagine the future.**

We are trying to build it together.

- Professor Paul Pronyk, Co-Director, SingHealth Duke-NUS Global Health Institute

About SDGHI

The SingHealth Duke-NUS Global Health Institute (SDGHI) is an enabling platform for global health activities across the SingHealth Duke-NUS Academic Medical Centre.

Harnessing the strengths and expertise of SingHealth and the Duke-NUS Medical School, the institute aims to address current and emerging health challenges across Asia and beyond.

Connect with us!

✉ learnwithsdghi@duke-nus.edu.sg

🌐 www.duke-nus.edu.sg/sdghi