

# 2023

## Future Leaders Programme

Enabling the Future of Healthcare through Regulatory Innovation

### Forum

Transforming Healthcare for the Next Decade



# NUS INITIATIVE TO IMPROVE HEALTH IN ASIA

The National University of Singapore (NUS) Initiative to Improve Health in Asia (NIHA) was established in 2010 with funding support from the Singapore Economic Development Board (EDB) and GlaxoSmithKline (GSK). This initiative aims to progress public health and healthcare delivery in Asia through the three integrated programmes of Leadership Development, Policy Forums and Research.

**An integrated initiative to improve public health and healthcare delivery in Asia**  
**Started in 2010 and funded by EDB-GSK Trust Fund**



**Leadership Development**  
 To equip senior policy makers across the Asia-Pacific with key leadership skills to enhance their capacity to lead through a complex health care landscape.

**Policy Forums**  
 To foster dialogue and partnerships among key stakeholders in Asia-Pacific (governments, NGOs & private sector)

**Research**  
 To develop solutions to health care challenges facing the Asia Pacific and to promote evidence-based health policy.

## NIHA FUTURE LEADERS PROGRAMME

To date, the NIHA Future Leaders Programme (FLP) has attracted leaders in senior positions from over 21 economies in various health ministries and agencies in Asia and Asia-Pacific region.

With the increasingly complex political and economic contexts that healthcare leaders are participating in and especially in the wake of the COVID-19 pandemic, the need to address health related issues and challenges in novel and innovative ways matters more than ever. The NIHA FLP offers a unique programme, carefully curated with heavy consideration on the potential of health policy leaders to significantly and positively influence the region's healthcare landscape. This includes an interactive introduction to the fundamental principles of innovation and design-thinking, alongside its practical applications in real-world health issues through structured group project work.

The success of the NIHA FLP has resulted from meaningful engagements of participants with faculty comprising internationally recognised leaders and experts from government, academia and corporate sectors. A highlight of past FLPs has been candid conversations with Singapore's former Minister for Health Gan Kim Yong on Singapore's whole-of-government approach to health issues and perspectives on navigating political challenges towards advancing the health agenda. The 2023 FLP will begin with discussions with Singapore's current Senior Minister of State, Dr Janil Puthuchearu on re-defining the nation's healthcare priorities through the Healthier SG initiative.

The programme has also involved visits to healthcare and non-healthcare settings to reinforce how innovative thinking from different domains can be harnessed in solving healthcare problems. This has included the Visa Innovation Centre, Singapore's futuristic Gardens by the Bay, GSK Asia House, and Tan Tock Seng Hospital's Centre for Healthcare Innovation.

### 2017: Fostering Effective Health Systems Leadership in an Interconnected World

*Brunei, Cambodia, China, Indonesia, Macao, Lao PDR, Malaysia, Myanmar, New Zealand, Thailand, Singapore*

### 2018: Transformational Leadership in Healthcare

*Australia, Brunei, Cambodia, China, Indonesia, Japan, Lao PDR, Macau, Malaysia, Myanmar, Philippines, Korea, Singapore, Sri Lanka, Thailand, Vietnam*

### 2019: Health Systems Innovation

*Australia, Brunei, Cambodia, China, Hong Kong, Lao PDR, Macau, Malaysia, Myanmar, Philippines, Singapore, Sri Lanka, Thailand, Vietnam*

## NIHA FORUM

The ongoing digital revolution has transformed the way people live, work, play, and consume healthcare globally. Singapore is one such example of a Smart Nation that has envisioned a leading economy powered by digital innovation, and a world-class city with a government that responds to citizens' changing needs. To drive the adoption of digital and smart technologies, Singapore has identified key Strategic National Projects and launched a National Artificial Intelligence (AI) Strategy in 2019 to boost the country's AI capabilities. Other governments in the ASEAN and wider Asia-Pacific are also exploring the value of digital solutions in their healthcare systems, but challenges need to be addressed.

To discuss the digital healthcare landscape and issues in Asia-Pacific, the NIHA Policy Forum was first held in 2018 on Digital Health, followed by a second forum in November 2019, which focused on Healthcare-AI.

The 2018 Digital Health Forum brought together key thought leaders from the medical-technology industry, digital health start-up sector, academia and various government agencies to discuss the current digital health landscape in Asia-Pacific.

The 2019 Forum provided insights into the potential impact of AI on healthcare in Asia-Pacific, regulatory challenges, and strategies to ensure appropriate adoption. These discussions involved global perspectives with presenters from different sectors.

This diversity of expert speakers and panellists from academia, government, pharmaceutical and medical device companies, and start-up firms ensured that participants gained a comprehensive and multifaceted understanding of the digital healthcare landscape and regulatory challenges in the region. The participants' own diverse professional backgrounds facilitated networking across sectors, serving as a catalyst for potential future collaborations in digital health.

The 2023 NIHA Forum will constitute the last day of the FLP and is significant in that it marks the final event of NIHA as the initiative ends its 10th run this year. The public forum is themed "**Transforming Healthcare for the Next Decade**", with a specific focus on Digital Health, Artificial Intelligence and Healthcare Systems and addresses the question "*Are we ready for a Digital Health Future?*". The forum will feature experts from Singapore's Ministry of Health and the public healthcare clusters, and key thought leaders from academia and the private sector.

Attendees will include participants from the FLP as well as professionals from healthcare service sectors, and members from regulatory and government institutions.

### 2018: Digital Health



### 2019: AI in Healthcare – Policies and Regulations in Asia-Pacific



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NUS Initiative to Improve Health in Asia



## 2023 NIHA FUTURE LEADERS PROGRAMME

The 2023 Programme holds particular significance as it marks the final edition of NIHA, following a hiatus from 2020 to 2022 due to the COVID-19 pandemic.

Through a design thinking approach, the 2023 NIHA FLP aims to equip health policy leaders to address pressing key challenges for healthcare in the Asia-Pacific region post pandemic with the theme “**Enabling the Future of Healthcare through Regulatory Innovation**”.

Monday, 17 July	Tuesday, 18 July	Wednesday, 19 July
<b>FUTURE LEADERS PROGRAMME</b>		
<b>Welcome &amp; Opening Remarks</b> Prof John Lim Prof Anne-Valérie Corboz	<b>Synthesis and Reflection</b>	<b>Synthesis and Reflection</b>
<b>Overview of HSG and Healthcare System</b> Mr Joel Tan  <b>Singapore Regulatory Landscape and Challenges</b> A/Prof Raymond Chua	<b>Healthcare in a Post-COVID Era</b>  <i>Site Visits to            Centre for Healthcare Innovation and            National Centre for Infectious            Diseases</i>  Prof Eugene Fidelis Soh A/Prof Tan Cher Heng Dr Shawn Vasoo Ms Georgina Lim	<b>Combining the power of Public-Private Partnerships and Innovation to deliver impact in Healthcare</b>  <i>Site Visits to            Amazon Web Services (AWS)-            IMDA Joint Innovation Center</i>  Mr Francis Goh Mr Richard Goh Mr Lee Jia Ming
<b>Discussion with            Dr Janil Puthucheary</b> Senior Minister of State for Health Singapore		
<b>Photo Taking &amp; Lunch</b> Senior Minister of State for Health Ministry of Health, Singapore	<b>Lunch</b>	<b>Lunch</b>
<b>Challenges Across the Region:            Transforming for Impact</b> Prof Anne-Valérie Corboz	<b>Nature, Nurture            and the Climate Imperative</b>  <i>Site Visit to Gardens by the Bay</i> Mr Felix Loh	<b>Innovation in a Post-COVID Era</b>  <i>Site Visit to IBM's i4Studio Labs</i> Mr Colin Tan
<b>Team Building Activity and Dinner</b>		

The first four days from 17-20 July 2023 will stimulate discussions and inform on current regulatory frameworks for healthcare services, cybersecurity, data security and governance, and explore the opportunities and challenges for future preventive health and healthcare systems regulatory innovations.

The FLP will culminate in a public forum on 21 July themed “**Transforming Healthcare for the Next Decade**”, with a specific focus on Digital Health, Artificial Intelligence and Healthcare Systems.

Thursday, 20 July	Friday, 21 July
	<b>FORUM</b>
<b>Synthesis and Reflection</b>	<b>Guest-of-Honour</b> Dr Kenneth Mak Director- General of Health  <b>Key address</b> Prof Tan Chorh Chuan Chief Health Scientist Ministry of Health, Singapore
<b>The importance of Ethics in Healthcare innovations</b> Asst Prof Voo Teck Chuan Dr Brian D. Earp Mr Lance Little A/Prof Ngiam Kee Yuan	<b>Digital Transformation of Healthcare            Current status and conditions            for success</b>
<b>Design Thinking Solutions for            Healthcare Regulations and Systems</b> Prof Anne-Valérie Corboz	<b>Digital Health and Population Health            Challenges and Opportunities</b>
<b>Lunch</b>	<b>Lunch</b>
<b>Design Thinking Solutions for            Healthcare Regulations and Systems –            Recommendations and Action Plans</b> Prof Anne-Valérie Corboz	<b>Digital Health Policies and Regulation            Evolving Landscape, Context and            Adequacy</b>
<b>Certificate Presentation</b>	<b>Digital Health and AI Opportunities,            Issues and The Road Ahead</b>
<b>Closing Dinner hosted by</b> Mr Chan Yeng Kit Permanent Secretary for Health Singapore	<b>Closing Ceremony</b>

## PROGRAMME DIRECTORS

### Prof John Lim



Professor John Lim is founding Executive Director of the Centre of Regulatory Excellence (CoRE), inaugural Chairman of the Consortium for Clinical Research and Innovation Singapore, Senior Advisor to Singapore's Ministry of Health (MOH), and Policy Core Lead at the SingHealth Duke-NUS Global Health Institute. He was formerly Chief Executive Officer of Singapore's Health Sciences Authority and MOH Deputy Director of Medical Services (Industry & Research Matters). Professor Lim draws on his international experience and networks to enhance regulatory capacity, scientific excellence and policy innovation for health products, services and systems in Southeast Asia and Asia-Pacific.

### Adj A/Prof Raymond Chua



Adjunct Associate Professor Raymond Chua is a Registered Public Health Specialist and Fellow with the Academy of Medicine. As Deputy Director-General of Health, he oversees the regulation of healthcare services, premises, and health digitalization in Singapore, to safeguard public health, assure patient safety and ensure healthcare innovations. He is concurrently designated as Assistant Commissioner for Cybersecurity in Healthcare, to assist in tracking and enhancing cybersecurity policies relating to Critical Information Infrastructures and Medical Devices in Singapore. He also chairs the Public Service Division's Regulatory Advisory Group to provide guidance and broad direction in using regulatory tools and capability development of regulators in the public service.

### Prof Anne-Valérie Corboz



Dr Anne-Valérie is the Dean for Executive Education at HEC Paris and Professor of Strategy and Business Policy. Her areas of expertise include strategy, innovation and entrepreneurship. She has lived and worked in Europe, South Africa, the Middle East, the U.S. and Asia. Anne-Valérie has published several books and she is currently working on a new book on women leaders, to be published in March 2024. Anne-Valérie has written for Sloan Management Review and the FT Handbook of Management and has published a substantial number of articles and case studies.

## FACULTY

### Dr Janil Puthucheary



Senior Minister of State for Health  
Ministry of Health (MOH)  
Singapore

### Mr Chan Yeng Kit



Permanent Secretary for Health  
MOH, Singapore

### Prof Kenneth Mak



Director-General of Health  
MOH, Singapore

### Prof Tan Chorh Chuan



Former President  
National University of Singapore  
Chief Health Scientist  
MOH, Singapore

### Dr Cheong Wei Yang



Deputy Secretary (Technology)  
MOH, Singapore

### Mr Felix Loh



Chief Executive Officer  
Gardens by the Bay  
Singapore

### Prof Eugene Fidelis Soh



Deputy Group Chief Executive Officer (Integrated Care)  
National Healthcare Group  
Singapore

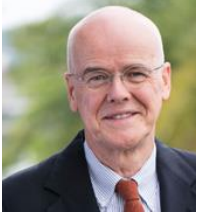
### Mr Colin Lim



Chief Information Officer  
MOH, Singapore

## FACULTY

### Prof Robert JT Morris



Chief Technology Strategist  
MOH Office for Healthcare  
Transformation  
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### Ms Rachel Chen



Director  
Regulatory Policy &  
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### Adj A/Prof Shawn Vasoo



Clinical Director  
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### Adj A/Prof Clive Tan



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National Healthcare Group

### Mr Joel Tan



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### A/Prof Tan Cher Heng



Executive Director  
Centre for Healthcare Innovation  
National Healthcare Group

### Ms Sylvia Wong



Director  
Digital & Integration Services  
Integrated Health Information  
Systems  
Singapore

### Mr Colin Tan



General Manager & Technology  
Leader  
IBM Singapore

## FACULTY

### Mr Francis Goh



Digital Innovation Lead,  
ASEAN  
Amazon Web Services  
(AWS)  
Singapore

### Mr Richard Goh



Head of Business  
Development and Cloud  
Innovation Center  
AWS Singapore

### A/Prof Daniel Ting



Chief Data and Digital Officer  
Senior Consultant  
Singapore National  
Eye Centre

### Mr Fridtjof Berge



Cofounder  
Antler

### Mr Mark Jansen



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### Mr Arnaud Bauer



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### Ms Georgina Lim



Assistant Director  
Communicable Diseases  
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### Mr Lance Little



Managing Director  
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Pacific Pte. Ltd., Singapore

## FACULTY

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### Dr Yongli Hu



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