



# CoRE Scientific Conference 2024 Regulating the Future of Health

Converging Health Products & Services Regulation  
for Access, Innovation & Sustainability

14 - 15 October 2024

## OVERVIEW

The 10th Anniversary CoRE Scientific Conference marks a milestone in our journey as we celebrate a decade of achievements while looking ahead at emerging issues in the evolving field of health regulation. This year's Conference carries the theme: "Regulating the Future of Health: Converging Products & Services Regulation for Access, Innovation & Sustainability".

Focusing on four pivotal and pertinent themes – Regulating Artificial Intelligence & Digital Health, Regulating Precision Medicine, Regulating for Disease Prevention, and Partnerships for Effective Regulation, the Conference is envisioned to be a platform for key decision makers and stakeholders in the regulatory ecosystem to connect, engage, network, and be furthered empowered.

## OBJECTIVES

From emerging AI technologies to evolving healthcare policies, this year's Conference will address an expansive spectrum of health regulation topics with contemporary relevance and global reach. Convening experts, thought leaders, policymakers, and stakeholders from around the world, this exciting event offers a platform to gain insights, shape perspectives, advance networking and foster collaborations.

### •Gain Insights

Gain access to a series of sessions during the 2-day conference and uncover new learnings and best practices from senior decision-makers in Asia-Pacific and globally. Gain authentic insights from thought leaders from the regional and international sphere to stay ahead of the curve in an ever-changing regulatory landscape.

### •Shape Perspectives

Be a part of the discussions in shaping perspectives surrounding the Conference themes and gain insights from these critical dialogues to anticipate future trends in the emerging public health sphere.

### •Advance Networking

Take advantage of multiple opportunities to build collaborative networks with changemakers across the government, regulatory, academic, and healthcare sectors all within the same space!

## Scientific Co-chairs

### Dr Murray Lumpkin

Deputy Director Integrated Development  
Lead for Global Regulatory Systems Initiatives  
Bill & Melinda Gates Foundation

### Adj A/Prof Raymond Chua

Chief Executive Officer – Designate  
Health Sciences Authority Singapore  
Deputy Director-General of Health  
Health Regulation  
Ministry of Health, Singapore

## Scientific Committee

### Dr Tamra Lysaght

Associate Professor  
The University of Sydney

### Prof John Chambers

Chief Scientific Officer  
National Precision Medicine Programme  
Nanyang Technological University

### Prof Brian Kennedy

Director  
Centre for Healthy Longevity  
National University of Singapore

### Dr Andy Greenfield

Honorary Research Fellow  
University of Oxford

### Prof James Kingsland

Clinical Professor  
University of Central Lancashire

### A/Prof Liu Nan

Director  
Duke-NUS AI + Medical Sciences Initiative  
(DAISI)  
Duke NUS Medical School

### Dr Harvey Castro

Chief Medical AI Officer  
Help.ai

## AGENDA | DAY 1 - 14 OCTOBER, MONDAY

Time	Topic	Speaker
9:00 AM	Registration	
9:30 AM	Welcome Address	<b>Prof John Lim</b> Executive Director CoRE Duke-NUS Medical School, Singapore
9:45 AM	Speech by Guest-of-Honour	<b>Dr Janil Puthuchery</b> Senior Minister of State Ministry of Digital Development and Information, and Ministry of Health, Singapore
10:00 AM	2024 Alasdair Breckenridge Lecture: “Regulating the Future of Health”	<b>Prof Mark McClellan</b> Director and Robert J. Margolis, MD Professor of Business, Medicine and Policy Duke-Margolis Institute for Health Policy Former Administrator, Centers for Medicare & Medicaid Services Former Commissioner U.S. Food and Drug Administration
10:45 AM	Tea Break	

## Session 1: Regulating Artificial Intelligence and Digital Health

Artificial Intelligence (AI) has emerged as a game-changer in the healthcare sector. AI-driven digital health technologies are redefining diagnosis, treatment, drug discovery, and the overall patient care landscape. Therefore, this transformative innovation necessitates robust regulation to ensure patient safety, ethical use, and responsible innovation.

This session, aims to answer the question “**How to develop AI and Digital Health regulations across different jurisdictions?**”

### Session Chair

**Dr Harvey Castro**  
Chief Medical AI Officer  
Helpp.ai

11:30 AM	Clinical Applications of Artificial Intelligence	<b>Dr Harvey Castro</b>
11:50 AM	Balancing innovation, patient safety and ethical considerations for AI in Healthcare	<b>A/Prof Liu Nan</b> Director Duke-NUS AI + Medical Sciences Initiative (DAISI) Duke NUS Medical School, Singapore
12:10 PM	Operation of Healthcare AI Solutions across multiple platforms	<b>Adj Asst Prof Dr James Lee Wai Kit</b> Assistant Group Chief Technology Officer National University Health System (NUHS) Consultant, Department of Surgery Alexandra Hospital, NUHS Consultant, Division of Endocrine Surgery

**12:30 PM** Navigating the Future: Singapore's Perspectives and Strategic Path for Healthcare AI Regulation

**Dr Kavitha Palaniappan**  
Assistant Professor  
CoRE  
Duke-NUS Medical School, Singapore

**12:50 PM** Panel Discussion: Developing AI and Digital Health regulations across different jurisdictions

**Moderator**

**Dr Harvey Castro**

**Panelists**

**A/Prof Liu Nan**

**Adj Asst Prof Dr James Lee Wai Kit**

**Ms Idamazura Idris**

Director  
Post Market & Enforcement Division  
Medical Device Authority, Malaysia

**Dr Boitumelo Semete-Makokotlela**

Chief Executive Officer  
The South African Health Products Regulatory Authority (SAHPRA)

**1:30 PM** Lunch

**2:15 PM - 2:45 PM** Lunch Time Seminar  
Digital Ethics – Creating Trust in Digital Health

**Dr Jean Enno Charton**  
Director  
Digital Ethics & Bioethics  
Merck KGaA

## Session 2: Regulating Precision Medicine

Precision Medicine holds immense promise for personalizing healthcare and enhancing patient outcomes. From wearable devices to genomics, these technologies are reshaping healthcare delivery and regulatory frameworks must evolve in parallel with these advancements.

This session will explore how regulations can keep pace with advancements in genomics, personalized therapies and data-driven healthcare, ensuring safety, efficacy and equitable access to these innovative treatments and facilitate answering the question “**Precision Medicine – what is the regulatory paradigm?**”

**Session Chair**

**Prof John Chambers**

Chief Scientific Officer  
National Precision Medicine Programme  
Nanyang Technological University, Singapore

**3:00 PM** How will Precision Medicine look like in 2030?

**A/Prof Tan Ee Shien**

Head  
SingHealth Duke-NUS Genomic Medicine Centre, Singapore

**3:20 PM** Ethical Considerations in Precision Medicine Regulation

**Dr Tamra Lysaght**

Associate Professor  
Sydney Health Ethics  
Faculty of Medicine and Health  
The University of Sydney, Australia

**3:40 PM** Precision medicine in a clinical setting - challenges and opportunities

**A/Prof Denise Goh**  
Senior Consultant & Head of Division  
National University Children's Medical Institute  
National University Hospital, Singapore

**4:00 PM** Regulation of Clinical Genetic/Genomic Testing Service

**Ms Jahara Ibrahim**  
Director  
Hospitals, Ambulatory Care & Research Regulations  
Ministry of Health, Singapore

**Moderator**

**Prof John Chambers**

**Panelists**

**4:20 PM** Panel Discussion: Precision Medicine – what is the regulatory paradigm?

**A/Prof Tan Ee Shien**

**Dr Tamra Lysaght**

**A/Prof Denise Goh**

**Ms Jahara Ibrahim**

**Dr. Dra. L. Rizka Andalusia**  
Director General, Pharmaceuticals and Medical Devices  
Ministry of Health, Indonesia

**Host for Fireside Chat**

**Prof John Lim**

**5:00 PM** Fireside Chat: The Future of Artificial Intelligence and Precision Medicine

**Dr Dan Hartman**  
Director, Integrated Development  
Bill & Melinda Gates Foundation


**Dr Margaret Hamburg**  
Chair, CoRE Advisory Board  
Former Commissioner  
U.S. Food and Drug Administration

**A/Prof Raymond Chua**  
Chief Executive Officer – Designate  
Health Sciences Authority Singapore  
Deputy Director-General of Health, Health Regulation  
Ministry of Health, Singapore

**5:30 PM** End of Conference – Day 1



**14 October - Celebratory Networking Evening & Graduation Ceremony**

Time	Topic	Speaker
5:30 PM to 6:30 PM	Networking Activities	
6:30 PM	Opening Remarks	<b>Prof Silke Vogel</b> Senior Associate Dean, Graduate Studies Deputy Director, CoRE Head, Centre for Lifelong Learning Duke-NUS Medical School, Singapore
6:31 PM	Welcome Remarks	<b>Prof John Lim</b> Executive Director CoRE Duke-NUS Medical School, Singapore
6:35 PM	Guest-of-Honour Speech	<b>Prof Kenneth Mak</b> Director-General of Health Ministry of Health, Singapore
6:40 PM	Graduation Ceremony of 2023/2024 CoRE Cohort	
6:55 PM	Group photo	
7:00 PM	Cake Cutting in Celebration of CoRE's 10 <sup>th</sup> Year Anniversary	
7:00PM to 9:00 PM	Dinner & Networking	

**End of Day 1**

## AGENDA | DAY 2 - 15 OCTOBER, TUESDAY

9:30 AM Registration

### Dr Murray Lumpkin

Deputy Director Integrated Development  
Lead for Global Regulatory Systems Initiatives  
Bill & Melinda Gates Foundation

9:45 AM Day 2 - Welcome Address

### Prof Silke Vogel

Senior Associate Dean, Graduate Studies  
Deputy Director, CoRE  
Head, Centre for Lifelong Learning  
Duke-NUS Medical School, Singapore

## Session 3: Regulating for Disease Prevention and Healthy Ageing

Prevention is at the core of public health. Regulatory measures can play a pivotal role in promoting health and mitigating disease risks. This session will discuss the integration of preventive care into regulatory frameworks, the role of emerging technologies and the importance of creating policies that foster longevity and improve quality of life for ageing populations. This session underscores the significance of proactive regulatory measures in promoting and safeguarding public health and helps us to explore **“Evolving challenges in regulating different areas for disease prevention and healthy ageing.”**

### Session Chair

#### Prof James Kingsland

Clinical Professor, University of Central Lancashire  
Founding Director, Healthworks, United Kingdom

10:00 AM Blue Zone Initiatives as tools to regulate for disease prevention and healthy ageing

#### Dr Beth Frates

President, American College of Lifestyle Medicine  
Associate Professor, Harvard Medical School, America

10:20 AM Strategies for public health interventions, vaccination programmes, and preventive measures

#### Prof Alex Cook

Vice Dean (Research)  
Domain Leader (Biostatistics & Modelling)  
NUS Saw Swee Hock School of Public Health, Singapore

10:40 AM Navigating the complexities of regulatory frameworks in promoting healthy longevity

#### Prof Brian Kennedy

Director, Centre for Healthy Longevity  
National University of Singapore

11.00 AM A transition towards community-based care for disease prevention and healthy ageing

#### Prof James Kingsland

11.20 AM

Panel Discussion: Evolving challenges in regulating different areas for disease prevention and healthy ageing

**Moderator**

**Prof James Kingsland**

**Panelists**

**Dr Beth Frates**

**Prof Brian Kennedy**

**Prof Alex Cook**

**Dr Leung Pak-Yin**

Council Member, City University of Hong Kong

**Dr Charles M Preston**

Senior Program Officer, Regulatory Affairs  
Global Health | Integrated Development  
Bill & Melinda Gates Foundation

**Prof. Mojisola Christianah Adeyeye**

Director General

National Agency for Food & Drug Administration And Control,  
Nigeria

**12:00 PM Lunch**

**1:00 PM –  
1:30 PM**

**Lunch Time Seminar**

Innovation, Quality, and Efficiency through  
Standardisation

**Ms Fan Yang**

Head

Standards Development Organisation (SDO)  
Centre of Regulatory Excellence (CoRE)

## Session 4: Partnerships for Effective Regulation

Stakeholder partnerships and consumer education are vital for effective regulation. Involving diverse stakeholders such as industry representatives, advocacy groups, and experts in the regulatory process ensures well-informed and balanced regulations, while educating consumers promotes compliance and trust in the regulatory system.

This session will highlight “**How partnerships can create a more cohesive regulatory framework, address challenges and shape an innovative and responsive regulatory ecosystem.**”

### Session Chairs

**A/Prof Raymond Chua**

**Dr Andy Greenfield**

Honorary Research Fellow

Nuffield Department of Women's & Reproductive Health Institute of Reproductive Sciences

University of Oxford, United Kingdom

**1:30 PM** Effective collaboration and partnerships amongst stakeholders in the regulatory ecosystem - Regulator perspective **A/Prof Raymond Chua**

**1:40 PM** Effective collaboration and partnerships amongst stakeholders in the regulatory ecosystem – Public engagement perspective **Dr Andy Greenfield**

**1:50 PM** Effective collaboration and partnerships amongst stakeholders in the regulatory ecosystem – Pharmaceutical Industry Association perspective **Ms Celine Ting**  
Managing Director  
Eisai Singapore Pte Ltd

**2:00 PM** Effective collaboration and partnerships amongst stakeholders in the regulatory ecosystem - MedTech Industry Association perspective **Dr Cindy Pelou**  
Lead  
Regulatory Affairs  
APACMed

**2:10 PM** Effective collaboration and partnerships amongst stakeholders in the regulatory ecosystem – Patient group perspective **Ms Nidhi Swarup**  
Founding Chair  
Alliance of Patients' Organizations Singapore Ltd.  
Founder and President  
Crohn's & Colitis Society of Singapore

**2:20 PM** Effective collaboration and partnerships amongst stakeholders in the regulatory ecosystem – International organizations perspective **Dr Florentin Blanc**  
Director  
Institute for Regulatory Innovation, Delivery and Effectiveness  
European Public Law Organisation



**Moderators**

[A/Prof Raymond Chua](#)

[Dr Andy Greenfield](#)

**Panelists**

[Ms Celine Ting](#)

[Dr Cindy Pelou](#)

[Ms Nidhi Swarup](#)

[Dr Florentin Blanc](#)

**2:30 PM**

Panel Discussion: How do we envision the regulatory ecosystem and partnerships by 2030

**Moderator**

[Prof John Lim](#)

**Panelists**

[Prof Mark McClellan](#)

[Prof John Chambers](#)

[A/Prof Raymond Chua](#)

[Dr Andy Greenfield](#)

[Prof James Kingsland](#)

[Dr Harvey Castro](#)

**3:30 PM**

Closing Session – Conference Summary

**4:00 PM**

End of Conference