

CoREtrospective

Year in Review

The best of

2022

featuring

**CoRE SCIENTIFIC CONFERENCE -
PATIENTS AS PARTNERS FOR HEALTH:
CO-CREATING EQUITABLE ACCESS TO
HEALTH PRODUCTS AND SERVICES**

**SIR ALASDAIR BRECKENRIDGE
LECTURE**

LAUNCH OF EXECUTIVE CERTIFICATE

**CoRE CONVERSATION WITH
DR PETER HONIG**

MOU WITH CIOMS

..and more



#STRONGERTOGETHER

20

*Thank you for your continued
and unwavering support*

22

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“Forward-looking” has been a resonating theme throughout this year in many of the dialogues CoRE and our stakeholders have had. As health services and health products innovation and associated regulation converge, the science and art of facilitating access to innovative technologies of good quality, safety, and efficacy in supportive health ecosystems have become more challenging and also exciting. In this increasingly complex and interconnected world, CoRE continues to serve as a neutral platform for stakeholder engagement for regulatory capacity building and policy innovation in Asia-Pacific. CoRE has seen huge interest in better understanding and implanting good regulation from innovators, healthcare professionals, and policymakers. We must distil the successes the global regulatory community has achieved in the past few years, hard-earned and learned during the COVID-19 pandemic, and translate the key learning points to enhance regulation of rapidly developing areas that include digital health and advanced therapies.

We actively contributed our voice and perspectives on regulating innovative health products and health services to collectively address developments at local, regional and global platforms. This year, CoRE established new partnerships and strengthened existing ones. We began collaborating with the Health Regulation Group (HRG) of Singapore’s Ministry of Health (MOH) to promote best practices in healthcare services regulation across the region. As an initial step, CoRE co-hosted the 32nd European Partnership of Supervisory Organisations in Health Services and Social Care (EPSO) Conference with a focus on Asia-Pacific (APAC) this year. CoRE also signed a memorandum of understanding with the Council for International Organizations of Medical Sciences (CIOMS) to work together in mutual areas of interest.

Other highlights of 2022 included hosting the CoRE Scientific Conference on the theme of “Patients as Partners for Health: Co-creating Equitable Access to Health Products and Services”. This brought together local and global partners of the Coalition to Accelerate Patient Engagement (CAPE) in Asia-Pacific to continue sharing patient engagement initiatives to help stakeholders adopt or adapt these in their respective patient engagement journeys. More than thirty speakers and two hundred participants in leadership roles from across eighteen economies attended the event, mainly in person. The conference concluded with a conference statement among the stakeholders to serve as a working document to clarify guiding principles to move APAC patient engagement forward.

As we take stock of our many experiences from the past three pandemic years, we can appreciate that we have all been changed at individual, organisational and societal levels in ways big and small as we move into the era of a new normal. Having successfully pivoted to delivering our educational and think-tank programmes virtually in 2020, we are now moving through a transitional hybrid phase back to predominantly in-person events in 2023. What has not changed and has in fact been strengthened is CoRE’s commitment to nurturing well-connected, future-ready regulatory professionals and providing thought leadership to stimulate enhanced health products and systems regulation and policy innovation in the years ahead.

I hope you find this Annual Report an interesting read and I look forward to continuing our partnership in advocating and nurturing regulatory science excellence.



**Executive Director
CoRE**

Prof John Lim
Core Lead (Policy)
SingHealth Duke-NUS
Global Health Institute
Senior Advisor
Ministry of Health, Singapore
Chairman
Consortium for Clinical
Research & Innovation,
Singapore (CRIS)

We would like to express our appreciation to the visionary members of our Advisory Board and our Special Advisors. Their strategic guidance and unceasing support have contributed significantly to CoRE's vision, mission, and success.

VISION

To be a leading Centre enhancing regulatory capability and scientific excellence for health products and systems in Asia.

MISSION

To establish regional platforms and networks to grow competencies, enhance collaboration and promote thought leadership in innovative regulatory science and health policy.



Dr Mimi Choong
Chief Executive Officer
Health Sciences Authority
Singapore



Prof Guido Rasi
Former Executive Director
European Medicines Agency



Dr Peter Honig
Board Member
Sesen Bio
Former Senior Vice President
Global Regulatory Affairs
Pfizer



Chair
Dr Margaret Hamburg
Former Commissioner
U.S. Food And Drug Administration



Dr Joseph Scheeren
Founder
Scheeren HealthCare LLC
Special Advisor, Former President
& Chief Executive Officer
Critical Path Institute (C-Path)



Mr Michael Gropp
Former Chair
RAPS Global Advisory Council



Dr Paul Huckle
Former Chief Regulatory Officer
& Senior Vice President
GlaxoSmithKline



Special Advisor
Adj Prof John Skerritt
Deputy Secretary
Health Products Regulation
Australian Department of Health
and Aged Care



Special Advisor
Dr Yasuhiro Fujiwara
Chief Executive
Pharmaceuticals and Medical
Devices Agency
Japan



Special Advisor
Mr Jean-Luc Butel
President
K8 Global

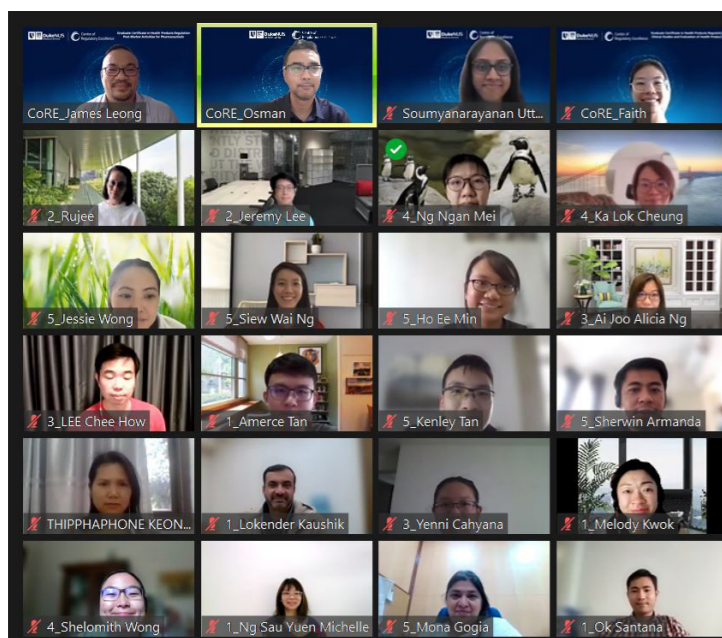
New Advisory Board Member

We are delighted to welcome Adjunct Associate Professor Raymond Chua as an Advisory Board member. Professor Chua began his medical career after graduating from the Faculty of Medicine at the National University of Singapore in 1997. He became certified as a Registered Public Health specialist and Fellow with the Academy of Medicine, Singapore in 2007. His career has spanned industry experience, Group Director of the Health Products Regulation Group (HPRG) at the Singapore Health Sciences Authority (HSA), and his current responsibilities as Deputy Director of Medical Services of the HRG at the MOH, Singapore.



Adj A/Prof Raymond Chua
Deputy Director of Medical Services
Health Regulation Group
Assistant Commissioner
Cybersecurity (Healthcare)
Ministry of Health, Singapore

EDUCATION



Strengthening Regulatory Systems Through Education



Launch of Executive Certificate



Graduate Certificate in Health Products Regulation



Supporting Tomorrow's Leaders



Education in Numbers



CoRE Conversation with Dr Peter Honig





Asst Prof James Leong
Head
Health Products & Regulatory Science
Centre of Regulatory Excellence
Duke-NUS Medical School



The efforts to improve regulatory systems through education must be continual; it is an ongoing journey to facilitate good regulatory practices that marries science and regulations.



The COVID-19 pandemic highlighted the importance of preparedness in addressing public health needs and areas where system strengthening should be prioritised. As countries begin their journeys to living with COVID-19, it is now vital to review gaps in the regulatory systems that warrant our attention, especially those that had been side-lined by the pandemic in the past three years, and address these to better tackle future public health emergencies and equitable peacetime health access.

Recognising the need for continuity in efforts toward stronger regulatory systems, CoRE continues to provide quality training accessible by regulatory professionals in ASEAN and Asia-Pacific. These courses address contemporary issues and levelling up of baseline competencies in regulatory decision-making. New online courses are being developed to complement and expand on the well-received existing offerings under our Graduate Certificate and new Executive Certificate programmes.

The current momentum to enhance healthcare systems has provided strategic platforms for CoRE to further engage regulatory authorities and industry organisations. We have sought a better understanding of training needs and forged partnerships to optimise the delivery and practical relevance of our education offerings. CoRE believes that our relentless approach and commitment to regulatory systems strengthening is a key tool to developing professionals and impacting patients for the better.



In expanding the options for individuals pursuing career development, CoRE launched two Executive Certificates in In Vitro Diagnostic Devices (IVD) and Software as Medical Devices (SaMD), in collaboration with Diagnostics Development Hub (DxD Hub) of Singapore's Agency for Science, Technology and Research (A*STAR). These programmes consist of 2-day short courses to accommodate the schedules of working professionals. The Executive Certificates can also be stacked towards the Graduate Certificate, facilitating participants' journey in their professional development.

**Product Development and Manufacturing
Regulation of IVD and SaMD**

With the projected sustained growth and increasing utilisation of IVD, many are interested in bringing their IVD innovations to the market. This course will highlight essential thought processes, considerations and insights for a successful translation of an IVD concept to a product launch.

Regulatory Requirements of IVD and SaMD

Failure to meet regulatory requirements can be a significant barrier to timely access of healthcare products for patients. To help reduce the inadequacies of a regulatory submission, this course helps to acquaint participants of the regulatory requirements for market approvals of IVD and SaMD, and the principles behind the practices.

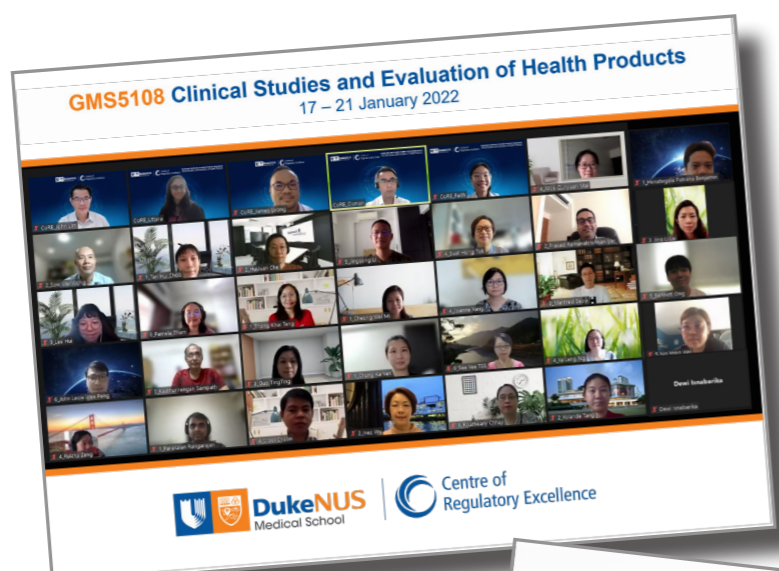


Dr Siti Sarah Daud
Head
Research & Development (R&D)
Cell ID Pte Ltd
Singapore

The regulation of SaMD and IVD courses conducted by CoRE are indeed a valuable resource platform for industry professionals to increase knowledge on essential regulatory requirements and to obtain holistic reviews of interaction between key standards that help to address product development needs of connected medical devices. The case studies from both workshops are very effective, paired with guidance documents and the panel discussion has given me better perspective on the magnitude of change management challenges in IVD and medical device markets impacted by the new EU regulation.



The Graduate Certificate Programme was introduced to focus on end-to-end regulatory activities across the life cycle of healthcare products. Using this platform, CoRE increased the access to training materials to professionals to build a strong foundation in regulatory decision-making and obtain a formal academic certificate in recognition of their new competency.



The courses cover both breadth and depth of regulatory requirements across the life cycle of a variety of health products encompassing pharmaceuticals, biotherapeutics, advanced therapies and medical devices. In particular, this year's workshop for advanced therapies highlighted and supported the release of Singapore's dedicated regulatory framework for cell, tissue and gene therapies. This forms part of the background for capacity-building in the ASEAN region, with these innovative therapies promising to become increasingly significant in the near future.

Leveraging on the flexible approach for developing the curriculum, CoRE incorporated essential training elements with current issues faced in the regulatory environment. Topics like regulatory cooperation, lessons from the COVID-19 pandemic, evaluation of vaccines and IVD, have been included across workshops and deemed extremely valuable as part of training healthcare professionals for future outbreak preparedness.

Our distinguished faculty and regulatory experts from across the globe have been instrumental in the success of the workshops, and have shared immensely valuable knowledge with the participants. Together with this growing pool of knowledge domain leaders and supportive participants, CoRE continues to fulfil our goals of building regulatory capacities in ASEAN and contributing to strengthening regulatory systems.

Increasing Access and Opportunities

Funding support provided to

499

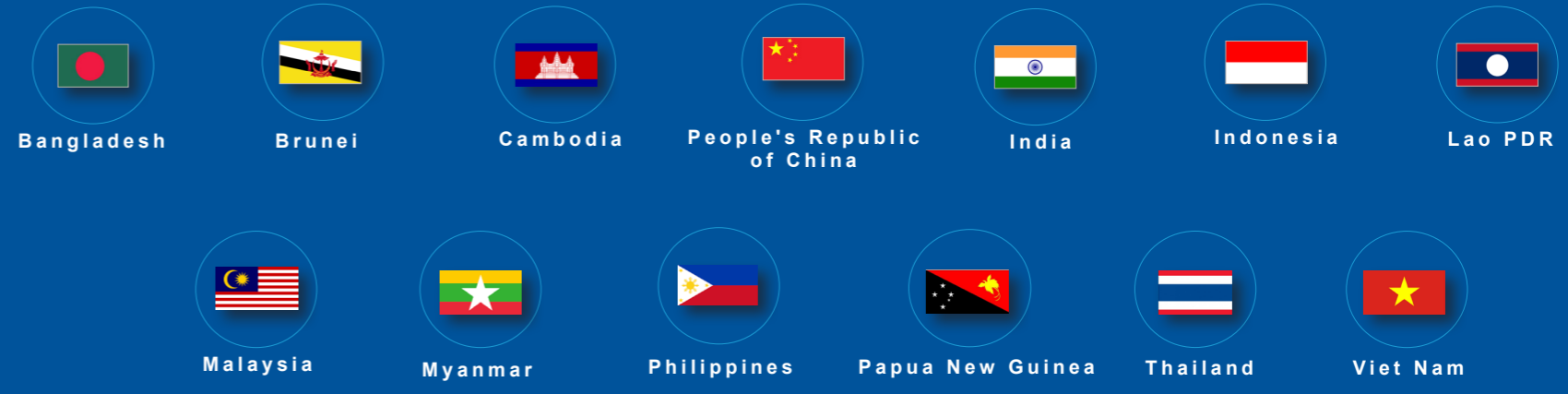
Participants with scholarships for our modules and workshops

155

Participants granted scholarships for our Graduate Certificate modules

13

Economies represented



Ms Ng Pei Ling
Senior Principal Assistant Director
National Pharmaceutical Regulatory Agency (NPRA)
Malaysia

As a regulatory professional, I appreciate how comprehensive and up-to-date the Graduate Certificate modules are, covering various aspects of the regulatory processes. With CoRE's initiatives to aid in the professional growth of regulators, I am grateful to be a recipient of the ASEAN Regulators Tuition Support Scholarship, which enables me to broaden and develop my knowledge of health products regulation. More importantly, the sessions have allowed me to share the valuable knowledge gained with colleagues in my home country, which will improve our revisions and functions in our occupational capacities and ultimately benefit patients.

The support from the following partners allows for regulatory professionals from both NRAs and the industry to participate in CoRE's Graduate Certificate in Health Products Regulations, augmenting their competency enhancement programmes and organisational capacity-building efforts.

ASEAN Regulators Tuition Support Scholarship Scheme

Established in 2018 to support staff from the Ministries of Health and NRAs of ASEAN Member States to attend CoRE's Graduate Certificate Programme.



Australian Indo-Pacific Regulatory Strengthening Program (RSP)

The RSP seeks to improve partner countries' regulatory capacities and lead to accessing better and safer medical products. CoRE has been engaged as an official training partner since 2019 and the RSP supports regulators from partner countries to attend CoRE's Graduate Certificate Programme.



Developing Countries Vaccine Manufacturers Network (DCVMN)

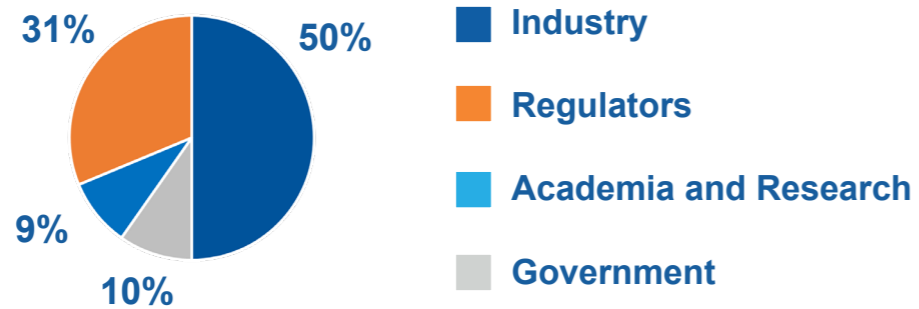
The DCVMN is a public-health-driven international alliance of manufacturers, working to strengthen vaccine manufacturers through various initiatives, one of which is professional training programmes. Since 2019, DCVMN supports their members' professional development through attending CoRE's Graduate Certificate and Online Programmes.



EDUCATION IN NUMBERS

PARTICIPANTS & ECONOMIES

Participant Profile



Training support provided to

>2100

Participants* for our modules and workshops

>30

Economies represented

INTERNATIONALLY RECOGNISED FACULTY



>190

Global expert faculty engaged with our participants

>70

Organisations partnered to provide real-world practice and application



20 *including those who have attended more than one module



I've always had the view that in order to be successful in life and a career, you need to demonstrate three things:

Consistent Excellence, Enthusiasm and Empathy.



Dr Peter Honig
Advisory Board Member
Centre of Regulatory Excellence
Duke-NUS Medical School

**Missed it?
Watch the conversation here!**

Dr Peter Honig, Advisory Board Member of CoRE, spoke engagingly about his career and life principles in the second instalment of the CoRE Conversation series. As this series aims to allow experienced professionals share their ongoing ambitions and aspirations to encourage next generation regulatory leaders, Dr Honig's interview was replete with good career development insights and anecdotes that could be broadly applied for individuals mapping their career paths.

In a wide-ranging chat with Prof John Lim, Dr Honig shared his professional journey which was nothing short of inspiring and remarkable. Dr Honig has had extensive regulatory, medical and scientific experience in the US FDA, and global leadership positions in Merck, AstraZeneca and Pfizer. The audience was particularly inspired by his leadership philosophy and personal values, as well as his candid perspectives on the international regulatory landscape.

When asked what had guided him through his career, Dr Honig mentioned a healthy curiosity to try new things and shared three essential principles for regulatory professionals to thrive amidst change and challenges.

THINK TANK



Sir Alasdair Breckenridge Lecture and Graduation Ceremony



Accelerating Patient Engagement



Collaboration with the Singapore Ministry of Health (MOH) Health Regulation Group (HRG)



32nd European Partnership Of Supervisory Organisations in Health Services and Social Care (EPSO) Conference



Regulatory Approaches in Digital Health



Health and Regulatory Systems Strengthening





An abridged moving video tribute to Sir Alasdair from many of his colleagues and friends was shared.



Missed the 2022 Lecture? Click here to watch the full video.



A short video of our graduates sharing a few words and reflecting on their time at the Duke-NUS CoRE Graduate Certificate in Health Products Regulation Programme.



Congratulations to our 2021/2022 graduating cohort of the Graduate Certificate Programme in Health Products Regulation! Click here to view photos.



2022 Lecturer Dr Penny Heaton



Dr Penny Heaton
Former CEO
Medical Research Institute,
Bill & Melinda Gates Foundation
Global Therapeutic Area Head
Vaccines
Janssen Research &
Development, LLC

"Innovative technology and science alone are not enough. Trust, transparency, and global collaboration fuelled our success, and the lack of it stymied our progress. We have learned that trust is as important a tool to fight the pandemic as diagnostics, therapeutics, or vaccines. We must respect it as such."

The 2022 Sir Alasdair Breckenridge Lecture was delivered by Dr Penny Heaton, Former CEO of the Medical Research Institute at Bill & Melinda Gates Foundation, and Global Therapeutic Area Head of Vaccines at Janssen Research & Development, LLC. The lecture delved into the revelations from the global COVID-19 response to help us prepare for future pandemics.

In her thought-provoking lecture, Dr Heaton highlighted the importance of trust, collaboration and transparency in the context of healthcare and vaccine production. A perspective piece is currently being co-authored by Dr Heaton and CoRE following the lecture to further reflect, analyse and provide a novelty of insight on the views relating to the opportunities and successes of the COVID-19 pandemic.

Following the lecture, CoRE's Chair and Former U.S. FDA Commissioner, Dr Margaret Hamburg, spoke on the Alasdair Breckenridge Fund and encouraged donations to support the education of regional national regulators.

The Centre also commemorated this occasion by celebrating the graduating cohort of the Graduate Certificate in Health Products Regulation Programme with Guest-of-Honour A/Prof Kenneth Mak, Director of Medical Services, MOH, Singapore.



3rd CoRE Scientific Conference

Top row from left: A/Prof James Leong (Head, Health Products and Regulatory Science, CoRE); Mr Michael Gropp (Member, CoRE Advisory Board); Dr Paul Huckle (Former Chief Regulatory Officer & Senior Vice President GlaxoSmithKline); Dr Clive Tan (Assistant Chief, Group Integrated Care (Population Health), National Healthcare Group); Dr Peter Honig (Board Member, Sesen Bio); Mr Neo Cherrng Yeu (Senior Associate Director, CoRE); Dr Khoo Yoong Khean (Scientific Officer, CoRE); Dr Junko Sato (Office Director of Office of International Program, Pharmaceuticals and Medical Devices Agency (PMDA)); Bottom row from left: Prof Guido Rasi (Former Executive Director, European Medicines Agency); Dr Yasuhiro Fujiwara (Chief Executive, PMDA); Lembit Rago (Secretary-General, Council for International Organizations of Medical Sciences (CIOMS)); Dr Prof John Lim (Executive Director, CoRE); Dr Janil Puthucheary (Senior Minister of State, Ministry of Communications and Information & Ministry of Health, Singapore); Dr Margaret Hamburg (Chair, CoRE Advisory Board; Former Commissioner, U.S. Food and Drug Administration (FDA)); Adj Prof John Skerritt (Deputy Secretary, Health Products Regulation, Australian Department of Health); Dr Joseph Scheeren (Founder, Scheeren HealthCare LLC); A/Prof Silke Vogel (Deputy Director, CoRE)

Patients as Partners for Health: Co-creating Equitable Access to Health Products and Services

In a return to significant in-person participation, CoRE organised the 2022 CoRE Scientific Conference, with the theme of "Patient as Partners for Health: Co-creating equitable access to Health Products and Services". The conference welcomed a wide range of participants from patient organisations, government, regulatory authorities, industry, academia, and healthcare providers, to discuss the immense potential of engaging with patients as partners to improve health systems.

Packed with engaging sessions, highlights included hearing from experts on the emerging best practices in patient engagement, ways to increase the level and quality of patient engagement, and partnership and collaboration opportunities to promote and establish regional multi-stakeholder platforms for sustained engagement leveraging on existing networks in regional bodies.

The conference ended with a call for action through a "Patients as Partners Statement" to continue to advance and institutionalise patient engagement in Asia-Pacific. The statement reflects the recommendations from diverse stakeholders recognising the diversity of health systems in the region.

CoRE is committed to continuing our mission to improve patient education to answer the need for more collaboration among our stakeholders. Along with CAPE, CoRE aims to provide an effective and neutral engagement channel for raising awareness, convening key stakeholders, and building capacity for patient engagement in healthcare delivery, health products development and regulation and HTA.

Research on Patient Engagement

With the aim to advance systematic and meaningful patient involvement in health systems across the Asia Pacific under CAPE, CoRE embarked on a research collaboration in 2022 with the St. Luke's Medical Center College of Medicine – William H. Quasha Memorial (SLMCCM-WHQM) in the Philippines to create a structured assessment of awareness, attitudes, practices, and policies for patient engagement in the health system. This project will develop a theoretical framework for patient engagement in the Philippines and a set of recommendations for stakeholders in the health system. Subsequently, this framework will be applied to study patient engagement in other regional countries.



Sponsors





The Singapore MOH is currently transitioning from the Private Hospital and Medical Clinics Act (PHMCA) to the new Healthcare Services Act (HCSA) to regulate the evolving healthcare landscape more flexibly. HCSA better safeguards patient safety and well-being in the changing healthcare environment, while enabling the development of new and innovative healthcare services. It also strengthens governance and regulatory clarity for better provision and continuity of care to patients.

The HRG-CoRE collaboration started in April 2022 and aims to make Singapore a regional thought leader in healthcare services regulation. The collaboration will gather global and regional experts to share and build a repository of best practices in healthcare services regulation in Asia. CoRE will conduct research and steer knowledge exchange and networking among stakeholders via conferences, roundtables, workshops, seminars and webinars.

The current focus is to identify and assess the patient safety and public interest impact and risks in the changing healthcare landscape and from emerging areas of healthcare service models, technologies, and fields of biomedical research, both broadly and also in specific areas such as cell and gene therapy and digital health.



MINISTRY OF HEALTH
SINGAPORE



With a Focus on Asia-Pacific (APAC)

Delegates with the Guest-of-Honour Dr Janil Puthucheary (Senior Minister of State, Ministry of Communications and Information & Ministry of Health, Singapore), seated 7th from left.



Dr Janil Puthucheary
 Senior Minister of State
 Ministry of Communications and
 Information & Ministry of Health
 Singapore

The balance we need to strike is to enable society to reap the benefits of digitalisation and establish safeguards to protect patients and the public - mitigating the risks arising from changing models of care.

Health Regulation and Supervision for the Digital Frontier and Changing Climate

CoRE welcomed delegates from 25 economies comprising senior government officials from Asia-Pacific and Europe to the 32nd EPSO Conference in Singapore, co-hosted with the MOH, Singapore and supported by EPSO. With the theme of “Health Regulations for the Digital Frontier and Changing Climate”, the conference covered topics on Digital Health Regulation, Innovation in Regulatory Practice, and Climate Sustainability and Health Regulation.

The conference marked the first EPSO conference held in Asia-Pacific, with a view to extend outreach to supervisory organisations in the region and resulted in the formation of an APAC Network of Healthcare Regulators to facilitate regulatory knowledge exchange and cross-border training programmes amongst members.

Delegates had two days of fruitful interactions, engaging discussions, and meaningful exchange of ideas, as well as the opportunity to interact with Integrated Health Information Systems (IHIS) partner innovators in digital health services and products.

Digital Health is broad and can cover health products, health services and health systems. It has huge potential to enable personalised care and to make healthcare more equitable, but its regulation is still diverse and nascent. Conventional regulatory frameworks for both health products and health services may not be well suited to the unique considerations for digital health technologies and applications.

There is a need for greater clarity and coordination to understand and assess the different regulatory approaches that could support digital health in the region. To promote the successful development and adoption of digital health through exploration of new questions, challenges and collaborations around regulatory approaches and frameworks, CoRE has been engaged in different activities.

Activities

To promote the successful development and adoption of digital health through exploration of new questions, challenges and collaborations around regulatory approaches and frameworks, CoRE has been engaged in different activities.

DIA-CoRE Annual Meeting

The meeting's theme was "Aspirations for the Future of Healthcare – From ideas to action", and facilitated open dialogue around innovative topics such as emerging technology, digital health, telemedicine, personalised and integrated care.



The challenges and opportunities in using real-world data to drive advances in healthcare in East Asia: expert panel recommendations

Gracy Crane, John C. W. Lim, Churn-Shiouh Gau, Jipan Xie & Laura Chu



Realising the value of digital health in Asia and the Pacific

With contributions from John C. W. Lim



Publication

External Speaking Engagements & Dialogues

Prof John Lim represented CoRE at the following events:



Asia Pacific MedTech Regulatory Transformation Symposium "Accelerating MedTech Innovation through Regulatory Agility and Harmonisation"

Panellist



Asia Pacific MedTech ASEAN SaMDs Regulation Roundtable

Panellist to discuss with ASEAN regulators, Industry and HSA Singapore best practices regarding SaMD and digital health regulation.



Future of Healthcare Week Asia 2022

Panellist for the Economist Impact session "In conversation with Healthcare regulators" to discussion regulation around innovation and healthcare technology.



AI Health Summit on AI innovations in Healthcare

Panellist to discuss experience and perspective about current industry trends in Healthcare AI, and in commercializing Healthcare AI products, including the challenges of regulatory, governance and cybersecurity.



2nd ASEAN Digital Public Health Conference "Health and Healthcare Beyond COVID-19: Building Forward Together"

Keynote speaker to discuss Digital Health Regulation in ASEAN: Context, Challenges & Opportunities.



CoRE continues to actively promote and explore issues in health and regulatory system strengthening, especially where regulatory excellence can play an enabling role to facilitate responsive access to health products.




External Speaking Engagements & Dialogues

 **Global Health Regulatory Team 2022 Virtual convening to discuss ASEAN regulatory landscape**
Apr Member

 **Launch of Consortium for Clinical Research and Innovation, Singapore (CRIS)**
Apr Speaker


 **APACMed MedTech Forum 2022: Patient Futures 2025 "Translating Regulatory Agility into actions in a post-pandemic APAC"**
Sep Panellist

 **2022 Milken Institute Asia Summit: "Rethinking Health Care in the Post-Pandemic Era"**
Sep Panellist


 **Alliance, Partnership for Patient Innovation Solutions' (APPIS) Summit**
Sep Keynote Speaker


Publications

 **Emerging trends and technologies: a horizon scan for global public health**
Mar With contributions from John C. W. Lim

 **Commentary: Is Singapore ready for another COVID-19 wave?**
Oct Khoo Yoong Khean

 **Sustaining rapid medicine development: lessons from a pandemic**
Oct With contributions from John C. W. Lim


 **What is the evidence for biology as the 'heart of eligibility' to study medicine? A retrospective analysis**
Oct Rathi Saravanan, Ramya Chandrasekaran, Jennifer Anne Cleland & Sreenivasulu Reddy Mogali

 **Commentary: People think they don't need a fourth COVID-19 vaccine shot. They're wrong**
Dec Khoo Yoong Khean

 **Op-Ed: Will a China COVID-19 wave set back endemic living in Singapore?**
Dec Khoo Yoong Khean

CoRE Webinar Series

 **Artificial Intelligence in Health Products Development: Opportunities and Challenges**
Mar Dean Ho, Danny Soon, Daniel Ting, Kevin White

 **Dementia Innovation And Care Framework In Singapore (in collaboration with L.E.K. Consulting)**
Apr Jason Foo, Fabio La Mola, Charles Stacey, George Vradenburg



SingHealth Duke-NUS Global Health Institute (SDGHI)

Leveraging on CoRE's expertise in health products regulation, CoRE and SDGHI collaborated with the Hanoi University of Public Health, the Health Strategy and Policy Institute, and the Department of Medicine Management of the Hanoi University of Pharmacy in Viet Nam on a research project to understand the impact of COVID-19 on access to hypertension medicine and the causes for gaps across the hypertension care cascade in urban Viet Nam from the perspective of both the health system as well as patients. The ongoing project includes a targeted regulatory system profiling on anti-hypertensive medicines and relevant medical devices.

Duke-NUS Centre for Outbreak Preparedness (COP)

The Duke-NUS COP, launched on 10 June 2022, is a multistakeholder collaborating platform bringing together partners in Singapore as well as partners in South Asia and South East Asia to enhance regional health security by early detection of infectious disease through genomic surveillance, increasing access to novel diagnostics, therapeutics, and vaccines and by strengthening health systems capacity. CoRE partners with COP to provide support on regulatory and policy issues.



PARTNERSHIP



Memorandum of Understanding (MOU) with Council for International Organizations of Medical Sciences (CIOMS)



CoRE Campaign



Opportunities to Collaborate in 2023 and Beyond



International Partnerships

 Click to read



From left: A/Prof Silke Vogel (Deputy Director, CoRE); Dr Prof John Lim (Executive Director, CoRE); Dr Janil Puthucherry (Senior Minister of State, Ministry of Communications and Information & Ministry of Health, Singapore); Lembit Rago (Secretary-General, Council for International Organizations of Medical Sciences (CIOMS)); Dr Margaret Hamburg (Chair, CoRE Advisory Board; Former Commissioner, U.S. Food and Drug Administration (FDA))



CoRE and CIOMS have signed an MOU to strengthen ties and explore innovative opportunities for co-operation in promoting thought leadership and excellence in regulatory science. Held in conjunction with the 3rd CoRE Scientific Conference, the MOU highlights continued efforts to foster relationships with the regulatory scientific community, hosting joint webinars and seminars, expert panels, conferences, and symposiums.

At CoRE and CIOMS, we envision that this MOU will make a significant collective impact, in further advancing our common mission and facilitating new opportunities for collaboration.





CoRE Campaign

With the support of wide-ranging stakeholders over the years, CoRE has become a leading presence in Asia-Pacific as an education and think tank hub. The Centre convenes leading global experts and practitioners to advance health regulatory and policy innovations in issues that matter and runs highly regarded programmes equipping professionals and leaders to transform the region's health and regulatory systems to meet the challenges

of the future. To continue in this mission and effect sustained, meaningful change across the region, the Centre has established The CoRE Campaign #Thankstoyou. We welcome unrestricted support through the Regulatory Excellence Fund and current-use commitments for study awards through the Alasdair Breckenridge Fund, established in memory of CoRE's inaugural Chairman.



This fund will play an important role in enabling the Centre to sustainably address region-wide issues, explore new opportunities for innovation and impactful change, and promote long-lasting cooperative solutions in a time where regulatory agility, convergence, and reliance are key.

Contributions will facilitate meaningful regulatory behavioural changes, by allowing the Centre to convene thought leaders and innovators to generate roadmaps and champion ideas that advance regulatory practice including new emerging topics. Contributions to this fund will also continue to elevate the region's regulatory capabilities by enabling the Centre to constantly enhance education programmes, as well as address new needs and imbue future readiness among the region's regulatory and healthcare professionals, academics



In keeping with the late Professor Sir Alasdair Breckenridge's vision and interest of promoting professional excellence, this fund is established to further regulatory capacity building through study awards tenable at CoRE.

Current-use contributions to the Alasdair Breckenridge Fund will support and finance healthcare professionals from national regulatory authorities, ministries of health, and related organisations in ASEAN and Asia-Pacific to enrol in courses run by CoRE. This will enhance their professional development and strengthen the regulatory capacity of their organisations.

GIVE NOW

 [Click to read more](#)

At CoRE, we work closely with a diverse network of partners from international and regional organisations to promote capacity development and innovation through strategic multi-stakeholder partnerships and collaborations. Leveraging on our expertise and network, we strongly support our stakeholders in driving scientific and regulatory excellence, policy innovation and leadership.

Our platform offers many exciting possibilities and collaboration opportunities to engage with key thought leaders, decisionmakers, and like-minded individuals in the ecosystem. CoRE looks forward to partnering with organisations and associations that see value in our work and would like to collaborate with us. We welcome you to connect with us and become a partner of CoRE.

Digital Health



- Series of webinars, symposium, and publication on Digital Health topics is in the pipeline for 2023
- Deep dive into and raising awareness on issues related to data collection, quality, validation, and security

Patient Engagement



- Building on the success of the 2022 CoRE Scientific Conference on Patient Engagement, a conference statement has been drafted and forms the basis for activities in 2023
- Opportunities for training programmes are available as CoRE recognises the evolving training needs for the various stakeholder groups

Cell, Tissue and Gene Therapies



- Deeper engagement beyond our workshops and training programmes in this area
- Potential country specific initiative to host a roundtable meeting and symposium in collaboration with key partners

Vaccines



- Online course on Vaccines is in development and will be available in 2023
- CoRE will continue to offer more online courses on relevant topics and exciting new opportunities await

Working towards regulatory excellence is never an individual endeavour, nor can it be achieved alone. CoRE is honoured to have the opportunity to collaborate and journey with like-minded and mission-driven academic, regulatory and health organisations locally and

across the globe. As we collectively set our sights on strengthening systems and building competency through regulatory co-operation and reliance, together, we can realise a world where everyone has access to safe, quality and effective health care.



PEOPLE



Faculty Appointments and Visiting Experts



CoRE Team



Farewell 2022, Hello 2023



Contact Us



The year saw significant achievements in CoRE's pursuit to establish and enhance regulatory capabilities and scientific excellence for health products and systems in Asia. Through it all, our regular and adjunct faculty, visiting experts, and workshop faculty from NRAs, government agencies, international companies, and industry associations around the world, made sure that our initiatives were delivered successfully. We express our deepest appreciation to CoRE's faculty appointments and visiting experts for collectively bringing together an extraordinary wealth of wisdom and real-world experience, in addition to being extensively involved and dedicated to the Centre's initiatives to build regulatory and healthcare excellence across the region and globally.



A/Prof Hsu Li Yang
Vice Dean (Global Health) & Programme Leader (Infectious Diseases)
NUS Saw Swee Hock School of Public Health



A/Prof Daniel Ting
Director
Cluster AI Program Singapore Health Service (SingHealth)



Adj A/Prof Chan Cheng Leng
Group Director
Health Products Regulation Group Health Sciences Authority Singapore



Adj A/Prof Sidney Yee
Founding Chief Executive Officer
Diagnostics Development Hub Inaugural Co-Chair ASEAN Dx Initiative



Adj A/Prof Raymond Chua
Deputy Director
Medical Services Health Regulation Group Assistant Commissioner Cybersecurity Ministry of Health, Singapore



Adj A/Prof Kelvin Bryan Tan
Director
Future Systems Office Ministry of Health, Singapore



Adj A/Prof Cynthia Sung
Research Program Manager
Research Decision Support Translational Discovery Global Health Bill & Melinda Gates Medical Research Institute



Adj A/Prof Danny Soon
Chief Executive Officer
Consortium for Clinical Research and Innovation, Singapore (CRIS) Executive Director Singapore Clinical Research Institute



Adj A/Prof Teoh Yee Leong
Senior Consultant
National Centre for Infectious Diseases (NCID) Senior Consultant Ministry of Health, Singapore



Adj Asst Prof Kellathur Srinivasan
Director
Advanced Therapy Products Branch Medicinal Products Pre-market Cluster Health Products Regulation Group Health Sciences Authority Singapore



Adj Asst Prof Pengiran Hishamuddin Bin Pengiran Badaruddin
Chief Medical Officer
Chi Tree Longevity



Adj Asst Prof Clive Tan
Adjunct Assistant Professor
Saw Swee Hock School of Public Health Assistant Chief Group Integrated Care (Population Health) National Healthcare Group Singapore



Dr Fouad Atouf
Vice President
 Global Biologics -
 Science & Standards
 The United States
 Pharmacopeial Convention
 (USP)



A/Prof Bruce Burnett
Director
 Regulatory Affairs
 Duke Translational Medicine
 Institute
 Duke University



**A/Prof Edwin Chan
 Shih-Yen**
Chief Scientific Officer
 Singapore Clinical Research
 Institute
Director
 Cochrane Singapore



Dr Sannie Chong
Senior Director
 AP Regulatory Policy
 MSD



Dr Anne Cook
Expert Quality Assessor
 UK Medicines & Healthcare
 products Regulatory Agency



Dr Gregory Daniel
**Associate Vice President &
 Global Head of Public Policy**
 Global Corporate Affairs
 Eli Lilly and Company



Dr Jean-Christophe Delumeau
Board Director
 Institute of Pharmacovigilance



Prof Hans-Georg Eichler
Professor
 Medical University of Vienna
 Austria
Consultant Physician
 Association of Austrian Social
 Insurance Institutions



Mr Michael Gropp
Former Chair
 RAPS
 Global Advisory Council



Prof Kenneth Hartigan-Go
**Senior Research Fellow &
 Program Director**
 Leadership & Innovation
 Ateneo Policy Center School of
 Government
Adjunct Faculty
 Asian Institute of Management



Dr Nikki Kitikiti
Vaccines Policy Lead
 Growth & Emerging Markets
 Takeda, Singapore



Dr Lam Siu Ping
Former Director
 Licensing Division
 UK Medicines and Healthcare
 products Regulatory Agency



Dr Leung Pak-yin
Former Chief Executive
 Hospital Authority
 Hong Kong Special
 Administrative Region



Dr Kerwin Low
Regulatory Affairs Lead APAC
 Coalition for Epidemic
 Preparedness Innovations (CEPI)



Dr Murray Lumpkin
Deputy Director
Lead
 Integrated Development
 Global Regulatory Systems
 Initiatives
 Bill & Melinda Gates Foundation



Dr Tippie Mak
Board Member
 Vaccine & Infectious Disease
 Organization - International
 Vaccine Centre, University of
 Saskatchewan Canada



Dr Wassim Nashabeh
Vice President
 Regulatory Policy and
 International Operations
 Genentech



Dr Moheb Nasr
Principal
 Nasr Pharma Regulatory
 Consulting (NPRC)



Dr Poh Weijie
Chief Scientist
 Digital Life Line



Mr Rajakanth R
Principal Consultant
 Manifeste LLP
Executive Director
 Rainbow Across Borders Ltd



Dr Lembit Rago
Secretary-General
 Council for International
 Organizations of Medical
 Sciences (CIOMS)



Dr Sethuraman Rama
Director
 Medical Devices Branch
 Health Sciences Authority
 Singapore



Dr Valerio Reggi
Consultant
 World Health Organization and
 Asian Development Bank



Dr.-ing Stephan Roenninger
Director
 Quality External Affairs
 Amgen (Europe)



Dr Tomas Salmonsan
Partner
 Consilium Salmonson &
 Hemmings
Former Chair
 Committee for Medicinal
 Products for Human Use
 European Medicines Agency



Dr Adelheid Schneider
Head
 Regulatory and Quality Asia
 Pacific
 Roche Diagnostics Asia Pacific



Dr Rominder Singh
Head
 Regulatory Affairs, Asia
 Global Regulatory Affairs
 International
 Pfizer



Dra Lucky Slamet
Former Head
 National Agency of Food & Drug
 Control
 Indonesia



Mr Teo Cher Hwa
Senior Vice President
 (Health Innovation Delivery)
 MiRXES



Dr John Thornback
Senior Advisor
 Diagnostics Development Hub



Prof Stuart Walker
Founder
 Centre for Medicines Research
 International Limited
Professor
 Pharmaceutical Medicine
 University of Wales, Cardiff



Mr John Wilkinson
Chair
 Global Medical Devices Nomen-
 clature Agency
Former Director of Devices
 UK Medicines & Healthcare
 products Regulatory Agency
Principal
 MedTech Vision



Mr Wong Kum Cheun
Head Asia Pacific
 Regulatory & Development Policy
 Global Drug Development
 Novartis Asia Pacific
 Pharmaceuticals Pte Ltd

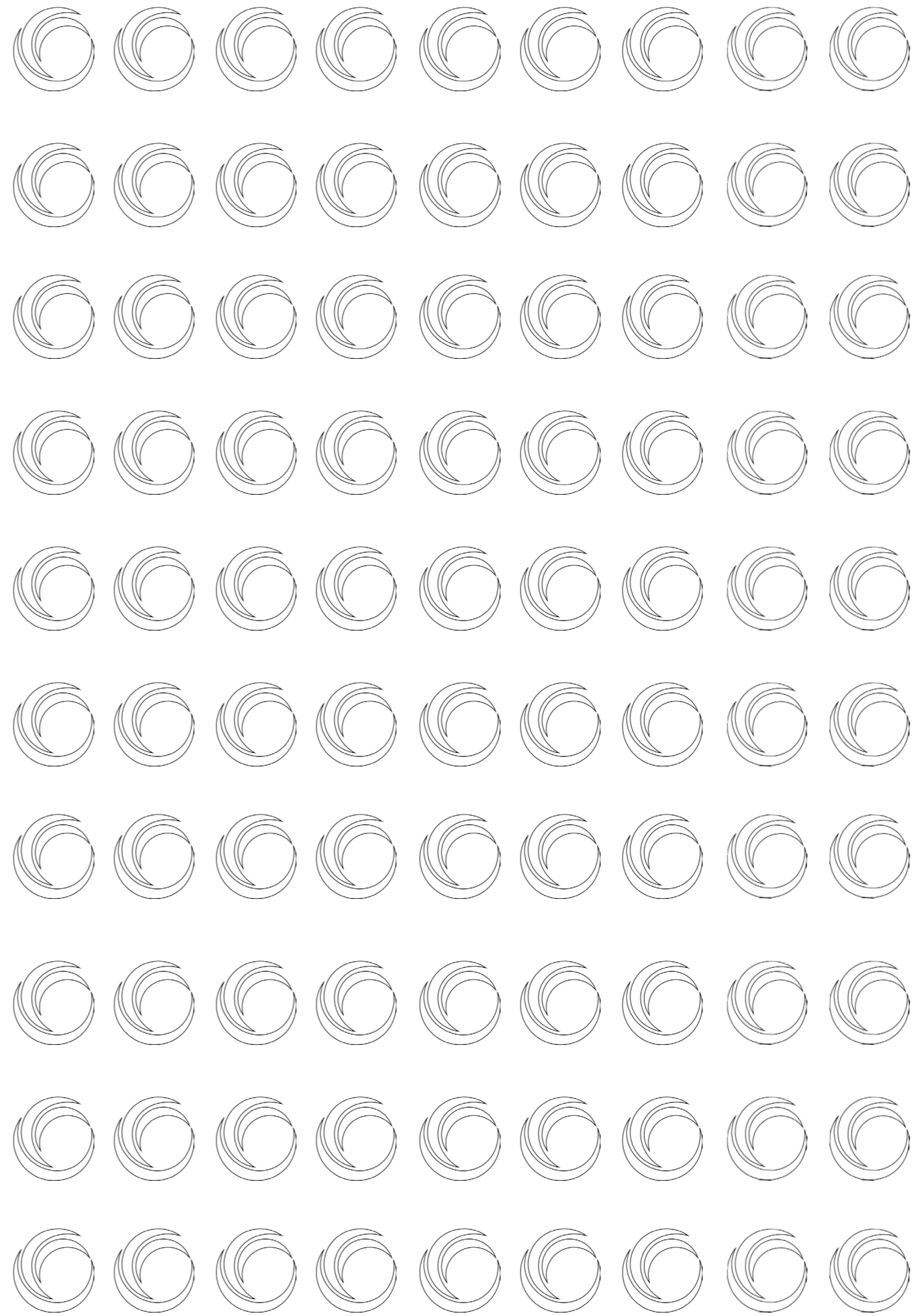
CoRE's success over the past years would not be possible without the commitment and dedication of our CoRE Team and we look forward to working together and with you in 2023!



Farewell to 2022 and all of its experiences



Hello to 2023 and all of its possibilities





Contact Us

Find us

Duke-NUS Medical School
8 College Road
Singapore 169857

Call us

+65 6601 5147





Email us

core@duke-nus.edu.sg

Browse us

www.duke-nus.edu.sg/core

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