



APRU

Global Health Conference 2024

*Harmonizing Human and Planetary Health
Through Innovation, AI, and Digital Transformation*

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Bangkok, Thailand

Room 1210, 12th Floor,
Bhumisiri Mangkhalanusorn Building,
King Chulalongkorn Memorial Hospital, Bangkok, Thailand

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WELCOME ADDRESS

Welcome Address by President, Chulalongkorn University



It is a great honor to welcome all participants to the APRU Global Health Conference 2024, held for the first time at Chulalongkorn University. As the only representative of Thai universities in the Association for Pacific Rim Universities (APRU), we are thrilled to host such a pivotal event that brings together experts and leaders from around the world to address global challenges.

Entitled “Harmonizing Human and Planetary Health through Innovation, AI, and Digital Transformation,” this conference aspires to achieve far more than the typical academic gathering. It seeks to propose resilient strategies for planetary well-being, integrating knowledge from diverse disciplines and practices. As

AI rapidly transforms multiple sectors, we must also ask if we are doing enough to safeguard human values and ethical standards. In essence, this gathering is about confronting the growing complexity and interconnectedness of the challenges before us.

APRU plays a vital role in shaping the active participation of higher education institutions in international public policy. By fostering collaboration among leading research universities, APRU encourages the exchange of knowledge, innovation, and best practices that strengthen academic and research capacities across its member institutions and beyond. This global partnership empowers universities to address critical issues such as global health, sustainability, and social inequality, while cultivating globally minded leaders equipped to make a positive impact across borders.

Chulalongkorn University is fully aligned with this vision, as we strive to lead in AI, innovation, and research aimed at creating a sustainable society. We are dedicated to nurturing future leaders who are prepared to contribute to the global community through their commitment to research excellence, technological advancement, and international collaboration.

I sincerely thank all our partners for collaborating with Chulalongkorn University. I also want to express my deep gratitude to our keynote speakers, moderators, and all participants for enriching this event through your presentations, discussions, and engagement. The APRU Global Health Conference 2024 could not have been realized without the dedicated efforts of many individuals and organizations, and Chulalongkorn University is indebted to those on campus and beyond who have supported and contributed to the organization of this event.

As we gather over the next few days, I trust that the dialogue and exchanges among us will forge new and strengthened partnerships that will advance our shared goals of creating a better future for generations to come.

I wish you all a productive and inspiring conference.

Professor Wilert Puriwat, D. Phil
President Chulalongkorn University

WELCOME ADDRESS



WELCOME ADDRESS BY CHIEF EXECUTIVE, APRU



On behalf of APRU, I welcome you to the 17th APRU Global Health Conference in Bangkok, Thailand. We are a network of 61 leading research universities around the Pacific Ocean, linking Asia, the Americas and Australasia, bound by a common commitment to tackle the big challenges that face our region.

The APRU Global Health Program is one of our most successful and long-standing programs. It strives to bridge health divides, promote and protect population health and overcome shared health challenges.

This year's conference theme, "Harmonizing Human and Planetary Health Through Innovation, AI, and Digital Transformation," aims to highlight multidisciplinary approaches to advance public health in the digital era. One of the focuses is on leveraging the increasingly ubiquitous artificial intelligence (AI) for the benefit of both humans and our planet.

As the leading network of Asia-Pacific research universities, we at APRU see the opportunities brought by innovative technologies to address a variety of challenges within our macroregion. It is our responsibility to tackle these challenges by partnering with international organizations, the public and private sectors, and other NGOs to jointly advance health solutions, policy development and public awareness.

We are very grateful to Chulalongkorn University, and especially the organizing team at the School of Global Health, Faculty of Medicine, for their commitment and hard work in hosting this annual conference.

We also thank APRU's Global Health Program Director, Professor Mellissa Withers, for her leadership, and the Advisory Group for their consultation and support over the past years.

I wish you a very productive and successful conference.

Prof. Thomas Schneider
Chief Executive, APRU

Thomas Schneider is the current Chief Executive of the Association of Pacific Rim Universities (APRU). A native of Germany, Prof. Schneider studied at the University of Zurich, the University of Basel and the École Pratique des Hautes Études in Paris. He earned his degrees (Lizentiat 1990; Dr. Phil. 1996; Habilitation 1999), all in Egyptology, from the University of Basel. Throughout his career, he has held academic and administrative positions in four global regions – North America; Asia; Europe; and the Middle East. From 2018–20, Prof. Schneider served the Southern University of Science and Technology (SUSTech) in Shenzhen, China's fastest-rising new STEM university, as Associate Vice President (International), spearheading its internationalization efforts. Recently, Prof. Schneider founded PALAC – a new consortium of liberal arts colleges focused on experimental learning in the liberal arts across multiple economies in Asia and North America.



WELCOME ADDRESS

WELCOME ADDRESS BY GLOBAL HEALTH PROGRAM DIRECTOR, APRU

It is an honor to welcome you to the 17th annual APRU Global Health Conference! This is the first time that our conference is being held in Thailand. Known as the “Land of Smiles”, I know you will have the opportunity to appreciate Thai warmth and hospitality during your stay. As Director of the APRU Global Health Program, I would like to express my gratitude to everyone who travelled to be here. We know that to solve today’s global challenge, we must use collaborative approaches that transcend borders and fields. One of the objectives of this conference is to foster interdisciplinary collaboration between healthcare and public health professionals, technologists, global health practitioners, and humanities scholars.



This year’s theme relates to harmonizing human and planetary health. In an increasingly globalized world, we know that optimal health cannot be achieved without an understanding of the links between humans and our environment. Human health is inextricably tied to resources such as food, energy and biodiversity and failure to recognize this interdependence can lead to global crises that threaten our very existence. This conference presents the opportunity to discuss innovations that have the power to transform our societies, making them healthier, more equitable, and more sustainable. The theme also relates to technological innovation, and the sessions provide a platform for researchers and thought leaders to showcase innovations and technological solutions for human and planetary health.

Over these three days, we will hear from experts on a range of topics, including digital technologies, health systems, infectious and non-communicable diseases, climate change, health equity, and many more. I hope that this conference challenges and inspires us to consider new approaches to advance social justice and identify comprehensive solutions to health challenges facing populations around the world. It is wonderful to have so many global health experts joining us from many disciplines and backgrounds to exchange ideas and inspire action on key global health topics.

I would like to express my appreciation to the entire team at Chulalongkorn University School of Global Health for their tremendous efforts in putting together this conference. I would also like to express my gratitude to the APRU Secretariat, members of our Advisory Board, and Working Group Chairs for their continued service to the APRU Global Health Program.

Thank you once again and I wish you an enjoyable and rewarding time here in Bangkok.

Best wishes,

Mellissa Withers, PhD, MHS
Director, APRU Global Health Program

WELCOME ADDRESS

WELCOME ADDRESS BY DEAN, FACULTY OF MEDICINE, CHULALONGKORN UNIVERSITY



It is my great pleasure and honor to welcome all of you to the APRU Global Health Conference 2024, co-hosted by the Chulalongkorn University and the newly established School of Global Health, Faculty of Medicine, Chulalongkorn University, in collaboration with the Association of Pacific Rim Universities (APRU). This year's conference theme, "Harmonizing Human and Planetary Health Through Innovation, AI, and Digital Transformation," brings together thought leaders, researchers, policymakers, and healthcare professionals to address pressing global health issues and explore forward-thinking solutions.

As a leading institution in Thailand, Chulalongkorn University is committed to advancing academic excellence and driving innovation in healthcare. We are particularly proud to host this conference at a time when our newly founded School of Global Health embarks on its mission to fill gaps and build bridges for health equity. Our vision is clear: to leverage the global platform to strengthen cooperation in shaping health sustainability and to groom the next generation of leaders to develop innovative solutions to global health challenges.

The establishment of the School of Global Health represents our deep commitment to tackling health disparities both locally and globally. As the world faces complex and interrelated challenges—ranging from pandemics to the impacts of climate change—there is an urgent need to bridge gaps in healthcare access and to foster collaboration across disciplines, sectors, and borders. This conference, with its focus on innovation and technology, will provide a platform for critical dialogue and collaboration toward these goals.

This year's conference could not be more relevant as we address the global convergence of human and planetary health. The world's health systems are not isolated; they are deeply intertwined with the sustainability of our environment. Technological advancements, such as artificial intelligence and digital health, offer powerful solutions to enhance healthcare delivery, improve outcomes, and address disparities. However, as we explore these tools, we must also ensure they are deployed ethically, equitably, and sustainably.

On behalf of the Faculty of Medicine and the School of Global Health, Chulalongkorn University, I would like to extend my deepest gratitude to our speakers, association partners, sponsors, and all participants for your contributions to this important event. I would also like to thank the APRU organizing team for their dedication and partnership in bringing this conference to life. Once again, welcome to the APRU Global Health Conference 2024. I look forward to the meaningful exchanges and collaborative efforts that will emerge from this event.

Warm regards,

Assoc. Prof. Chanchai Sittipunt, M.D.
Dean, Faculty of Medicine, Chulalongkorn University, Thailand

APRU GLOBAL HEALTH PROGRAM

Since 2007, the APRU Global Health Program has aimed to develop and expand research and education efforts among Pacific Rim universities to address regional and global health issues. By facilitating collaboration and enhancing dialogue, the Program is an important platform for member universities to work together to bridge health divides, promote and protect population health, and meet shared health challenges. Through this network, members can leverage leading edge research, education/training programs and evidence based health interventions to address today's most pressing challenges, such as demographic changes, health disparities, rising rates of non-communicable diseases, mental health challenges, and infectious disease outbreaks. The Program has expanded its scope to include new modalities of global health education, research and applied activities through Research Working Groups and innovative activities to complement student learning, including shared virtual courses, student competitions and experiential learning opportunities. The Program is hosted by the Institute on Inequalities in Global Health, University of Southern California and the Program Director is Professor Mellissa Withers.

For more information about APRU and its Global Health Program, please visit:

APRU: <https://apru.org/>

APRU Global Health Program: <https://www.apru.org/our-work/pacific-rim-challenges/global-health/>



ADVISORY GROUP



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California



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APRU GLOBAL HEALTH PROGRAM ADVISORY GROUP

Melissa Withers is the director of the APRU Global Health Program. She is a Professor at the University of Southern California Keck School of Medicine in the Department of Population and Public Health Sciences, where she is also Director of Pedagogical Enrichment and Training. Her primary research interests lie in community participatory research, mental health, gender-based violence, and global sexual and reproductive health. Dr Withers earned a PhD from the Department of Community Health Sciences at the UCLA Fielding School of Public Health, a Master's in Health Sciences from the Department of International Health, Johns Hopkins Bloomberg School of Public Health, and a BA in international development from UC Berkeley. Dr Withers is the editor of two books: *Global Perspectives on Sexual and Reproductive Health Across the Lifecourse*, and *Global Health Leadership: Case Studies from the Asia-Pacific*. She has also published more than 80 scientific articles and serves on the editorial boards of six international global health journals.

King L Chow is a Professor of Life Science, Chem. & Biol. Engineering, Public Policy. He served as the Director of the Interdisciplinary Programs Office overseeing Environment and Sustainability, Public Policy, Risk Management, Technology Management, Integrative System & Design, and innovation programs on campus. He now heads the Dean of Students Office supporting various student-oriented schemes and student development programs beyond academic issues. While his research focuses on genetics, development, evolution and synthetic biology, he has been engaging in broad pedagogical initiatives and curricular development projects promoting interdisciplinary education at the juncture cutting across science, engineering, social science and humanity at high school, undergraduate and graduate levels. He was the winner of the inaugural School of Science Teaching Award and the Michael G. Gale Medal of Distinguished Teaching at HKUST. He serves on the Board of Directors of the iGEM Foundation and as a council member of the Global Future Council, and World Economic Forum.

Sofia Gruskin is the Director USC Institute on Inequalities in Global Health, Chief, of the Policy and Global Health Division, and Professor at USC Keck School of Medicine and USC Gould School of Law, University of Southern California. Professor Gruskin is recognized as a pioneer in fostering multi-disciplinary approaches to global health with work ranging from global policy to the grassroots level and is particularly recognized for her efforts to bring attention to the effects of law and legal frameworks on health outcomes for key and vulnerable populations. Her work has been instrumental in developing the conceptual, methodological and empirical links between global health and human rights, with a focus on sexual and reproductive health, child and adolescent health, HIV/AIDS, gender-based violence, non-communicable disease and health systems. She has worked closely with the United Nations system, in particular WHO and UNDP, for many years. Professor Gruskin is an associate editor for *Global Public Health*, on the editorial advisory board for *Revue Tiers Monde*, a trustee of *Sexual and Reproductive Health Matters*, and was an associate editor of the *American Journal of Public Health* and editor-in-chief for *Health and Human Rights* both for over a decade.

Jonathan Guillemot is a professor and researcher in gerontology at Universidad San Francisco de Quito USFQ, Ecuador. He currently acts as Associate Dean of the School of Medicine, in charge of research and administrative affairs. He is also the director of the Institute for Social Medicine & Global Challenges. Dr. Guillemot's research interests include the sociology of ageing and research pedagogy, using qualitative approaches, with a particular focus on semi-structured interviews and Delphi panels. He is especially fond of collaborating with students on their first encounter with research. Dr. Guillemot graduated from Université de Lille (Sciences Po Lille) in political sociology and from King's College London in gerontology and completed his PhD in global health, social medicine and gerontology.

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Budi Haryanto is a Professor of Environmental Health at the Faculty of Public Health Universitas Indonesia (UI) and Director of the Research Center for Climate Change UI. He is Board of Directors of the Pacific Basin Consortium on Environment and Health 2008-present, a Committee Member for the International Society for Environmental Epidemiology (ISEE) 2020-present, a Fellow at Collegium Ramazzini 2020-present, and an Honorary Visiting Fellow of the Global Research Centre HEAL at the University of Canberra 2024-2025. He got degrees in environmental health and epidemiology from Universitas Indonesia and UC Los Angeles respectively. He published more than 90 papers on environmental epidemiology, climate change, air pollution, and disaster health impacts including 14 book chapters and as an editor of Air Pollution's book. He was also actively involved in scientific climate talks at UNFCCC-IPCC's COP 15 Copenhagen 2009, COP 21 Paris 2015, COP 22 Marrakech 2016, and East-West Center Honolulu 2022.

Jiayan Huang is dedicated to advancing global health and equitable access to healthcare for marginalized communities. With an extensive background in global health governance, health technology assessment, and health policy analysis, she has spearheaded numerous international collaborative research initiatives in countries including Tanzania, the Democratic Republic of the Congo, Pakistan, Vietnam, Laos, Solomon Island, Vanuatu, etc. With over 40 projects under her leadership, she has secured funding from prestigious institutions like the China National Social Science Foundation, China National Natural Science Foundation, WHO, World Bank, Cyrus Tang Foundation, as well as various local governmental bodies. Her contributions extend to academia, evident through the publication of 5 academic monographs and over 140 articles in reputable journals.

Masamine Jimba is an emeritus professor at the University of Tokyo. He studied at Japan's National Institute of Public Health and the Harvard School of Public Health. His practical experience includes disease control and health promotion activities in resource-limited settings, first as a WHO Health Coordinator for the Gaza Strip and the West Bank from 1994 to 1996. From 1996 to 2001, he implemented health promotion programs in rural Nepal, using a community development approach, as a public health expert with the Japan International Cooperation Agency. In 2002, he returned to Japan to have a base in the university and has been working on health projects in Asia, Africa, and Latin America. His current research interests include health promotion, global health policy, health and development, and maternal, newborn, and child health.

Mu Li is a Professor of International Public Health at the School of Public Health, at the University of Sydney. Her main research contributions are in women's and children's health and nutrition, and public health program evaluation. She has a strong track record in developing cross-cultural and cross-discipline research collaborations in Asia and Africa, and led several research capacity-building programs, including the Australian DFAT Regional Collaboration for Childhood Obesity Prevention Research, involving researchers from China, Indonesia, Thailand and Vietnam; and Evidence-based Policy and Program Development for Improved Adolescent Health and Nutrition, Indonesia. Professor Li is the founding convenor of the Sydney Global Maternal and Child Health Network. She led the development of the Australian first Master of Global Health program and was the inaugural director of the program. She is an Adjunct Professor at the School of Health and Life Science, Airlangga University, Indonesia.



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Judith McCool is an Associate Professor and Head of the School of Population Health, at the University of Auckland. Judith is Co-Director for a newly formed Centre for Pacific and Global Health; one of eight research centres at the University of Auckland. Since 2009 she has been actively involved in the delivery of postgraduate courses in global health for the Master of Public Health and since 2015 been the Director of the Master of Health Leadership Program and leader for the Global Health Leadership stream. Judith brings experience in global health and health communications with an emphasis on building capacity and strengthening evidence to improve health and well-being. Judith's work focuses on social and globalised commercial determinants of health, including the role of digital and social media as communication tools for social change. This work has included research into the process of adapting, implementing, and evaluating the impact of mHealth initiatives on low-resourced populations. Judith has developed long-term partnerships with colleagues in the Asia and Pacific region via her role as WHO advisor WPR, member of the Asia Pacific Rim Universities Global Health Steering Group, and as a collaborator on international research and supervisor of graduate students.

Juhwan Oh is a Professor of International Health Policy and Management at Seoul National University College of Medicine. He is interested in Maternal, Child, and Adolescent Health, Health Insurance Policy, Health Inequality, and Smart Health City. He is serving as an international cooperation advisor for the Korea Diseases Control and Prevention Agency and a committee chair for medical education in the Korean Society for Preventive Medicine. He also serves as Chair for Health at the World Health City Forum. He served as the founding editor-in-chief of the Journal of Global Health Science, which is the official journal of the Korean Academic Association of Global Health.

Erlinda Castro Palaganas is a professor of management, an internationally distinguished and respected nurse leader, researcher and academician. She is a pioneer in qualitative nursing research and a multi-awarded health research mentor. She is the founding president of the Philippine Nursing Research Society, Inc. and the Cordillera Center for Research and Health Concerns. She is the VP for External Affairs of the Philippine Association of Medical Journal Editors and the Executive VP of the Asia Pacific Association of Medical Editors. She is a Professor at the University of the Philippines - Baguio where she excels in teaching, research and extension work. She is a nurse and continuously serves the nurses and the nursing profession in her capacity as Governor of the Philippine Nurses Association and as Editor-in-Chief of the Philippine Journal of Nursing, a WHO-WPRIM and Scopus-indexed nursing journal. As a nurse, she has opted to commit herself to serving the Filipino people. She is a staunch advocate of people's rights and welfare as a people's nurse. She has been awarded Fellow to the American Academy of Nursing (Class 2021) and recipient of the international Princess Srinagarindra Award Laureate 2021.

APRU GLOBAL HEALTH PROGRAM ADVISORY GROUP



Manuel Perez Jiménez has been Dean of Medicine and Health Sciences for the North Region at Tecnológico de Monterrey, School of Medicine since 2017. He is currently the Chairman of Medicine at U21 Health Sciences Group since January 2019. Between September 2010 and September 2013, he was Chairman of the Strategic Committee of the UN Millennium Development Goals interest group from the Universitas 21 Health Sciences Group. Dr Perez Jiménez did a Global Health training at George Mason University in Virginia USA, and Adizes training at the Tecnológico de Monterrey. Additionally, he has occupied several teaching positions in the courses of In-Patient Pediatrics, Ambulatory Pediatrics and Introduction to Medicine and Global Health at the Tec de Monterrey School of Medicine. Since his designation as Teaching Coordinator for Postgraduate Programs at the Tec de Monterrey School of Medicine in 2003, he has shown an extraordinary capacity to work comprehensively and scheme his formative vision in the health context. He had an active leadership role during the COVID-19 pandemic together with the Tecnológico de Monterrey's health services (TecSalud), through the impulse of digital education with forums and lectures, as well as through the promotion and development of health care during this pandemic.

Sanjay Rampal is a Public Health Physician, and Professor of Epidemiology and Public Health at the Department of Social and Preventive Medicine, Faculty of Medicine, University of Malaya. Dr Rampal was medically trained in India and has served in the Ministry of Health Malaysia (1998-2005). He obtained his MPH in 2004 from Harvard University and completed his PhD in Epidemiology from Johns Hopkins University in 2014. He is a member of the Global Network for Academic Public Health, Association of Schools and Programs of Public Health, and chairs the Specialty/Subspecialty Education Subcommittee for Public Health within the Malaysian Medical Council. He is a Fellow of the Academy of Medicine Malaysia and contributes actively to the College of Public Health Medicine. He had also previously chaired the Malaysian National Conjoint Committee for Public Health Postgraduate Medical Program. Dr Rampal's research focuses on the epidemiology and prevention of cardiovascular disease. He is particularly interested in elucidating common upstream factors of the different Non-Communicable Diseases. He hopes to further leverage this information to design and implement better prevention programs to improve our healthcare system.

Christina Schönleber, Chief Strategy Officer at APRU, is responsible for the direction of APRU's strategic priority of informing policy development on solutions to Asia Pacific challenges and the development of APRU's research-related program areas. As Head of Knowledge Exchange at the Royal College of Art in London, she developed and implemented the RCA's strategy for Knowledge Exchange and set up key industrial and third-party collaborations with major international corporations such as Tata Consultancy Services and Visa Europe. As Assistant Director of the University of Kent's Innovation and Enterprise Department, Christina led the University's Knowledge Exchange development in key areas related to science and social science. Following this, she developed Sino-German business partnerships as a business consultant in Hong Kong. Before joining the higher education sector, Christina held senior roles with international media corporations addressing key IP and licensing challenges. Born in Germany Christina Schönleber was educated in Germany, the USA, the UK and Hong Kong. She holds an MBA, and a Bachelor of Science Degree and studied Mandarin for non-Chinese speakers.



APRU GLOBAL HEALTH PROGRAM ADVISORY GROUP

Taninee Sahakitrungruang is a Professor at the Department of Pediatrics, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand. She did her training in Pediatrics and Pediatric Endocrinology at Chulalongkorn University, and an additional two years of fellowship (2008–2010) at the University of California, San Francisco with Professor Walter L Miller. She has been appointed as Assistant Dean for Graduate Affairs since 2019 and is a member of the steering committee to develop a global health/one health curriculum for the newly established School of Global Health at the Faculty of Medicine, Chulalongkorn University. Her key research interests include pediatric diabetes and NCDs, molecular defects of adrenal steroidogenesis, disorders of sex differentiation, and gender diversity healthcare. She has several publications in highly-ranked journals including several implementation research and interventions to improve quality of life for pediatric patients in middle-income countries. Dr. Sahakitrungruang is also an executive member of several professional organizations including the Diabetes Association of Thailand, Thai Society of Pediatric Endocrinology, and AsiaPATH. She is also an advisory board member of Action4Diabetes (A4D) foundation aiming to leverage the quality of life for children living with type 1 diabetes in Southeast Asia. She is an active member in working closely with the Ministry of Public Health and the National Health Security Office to push the policy for reimbursement of essential insulin, glucose strips and continuous glucose monitoring for people living with type 1 diabetes in Thailand.

Martin Chi Sang Wong Professor Martin C. S. Wong is a specialist in Family Medicine and a researcher in the field of cancer screening and prevention of chronic diseases. Professor Wong has composed over 300 publications in international peer-reviewed journals and received over 15 research awards for studies in his research area, including the prestigious “1st Distinguished Research Making Family Medicine Shine Award” by the World Organization of Family Doctors in 2018. He is the Co-Chair of the NCD stream of the APRU Global Health Programme; Co-Chairman of the Grant Review Board, Health and Medical Research Fund, Food and Health Bureau (FHB); the Convener of the Advisory Group on Hong Kong Reference Framework for Care of Diabetes and Hypertension in Primary Care Settings; a member of the Expert Advisory Panel in Implementation Science of the HKSAR government, and a member of the Research Council of the FHB. He is a reviewer of the Medical Research Council (MRC), United Kingdom; an expert reviewer of the National Medical Research Council (NMRC), Singapore; an external examiner of doctoral theses in various Universities; and an external reviewer of the Public Policy Research Funding Scheme, Research Grant Council (RGC) of Hong Kong. His enthusiasm for teaching has been well received by students and has been selected for the “Master Teacher” and the “Annual Teacher of the Year Award” for seven years.

APRU GLOBAL HEALTH PROGRAM WORKING GROUPS



Bioethics

Led by:

- Leander Penaso Marquez, University of the Philippines Diliman
- Alexander Atrio L. Lopez, University of the Philippines Diliman
- María de Jesús Medina Arellano, Institute for Legal Research

Mental Health

Led by:

- Shaohua Hu, Zhejiang University

Non-Communicable Diseases

Led by:

- Junjie Huang, The Chinese University of Hong Kong
- Edmar San Jose Elcarte, University of the Philippines Manila

Humanitarian Emergencies and Health

Led by:

- Ann Toh, National University of Singapore

Global Health Education and Technology

Led by:

- Catherine Zhou, The Hong Kong University of Science and Technology

For more information, visit: <https://apru.org/wp-content/uploads/2024/02/APRU-Global-Health-Working-Groups-2024.pdf>



APRU GLOBAL HEALTH PROGRAM WORKING GROUPS

Chairs

Junjie Huang was recently named as a co-chair of the Working Group on NCDs. Dr. Huang works at the Jockey Club School of Public Health and Primary Care, Faculty of Medicine, Chinese University of Hong Kong (CUHK). He got a PhD in Public Health at CUHK, Hong Kong and an MSc in Clinical and Translational Research at University College Dublin, Ireland. He is also the Associate Director of the Centre for Health Education and Health Promotion (CHEHP) of CUHK; a Research Fellow of the Health and Medical Research Fund (HMRF) in Hong Kong; and a Licensed Clinician of Internal Medicine in China. His research focuses on Cancer Epidemiology and Prevention, Primary Care Education and Promotion, and other Public Health Topics. He has published more than 100 full-text publications and over 30 abstracts in international peer-reviewed journals and has received more than ten international and local research awards for his outstanding research.



Catherine Zhou is a Teaching Associate at the Office of the Dean of Engineering at the Hong Kong University of Science and Technology. Before this, she worked at the Centre for Learning Enhancement And Research at The Chinese University of Hong Kong. She has a PhD degree in computer science and engineering and currently focuses on research postgraduate (RPg) student education. Her teaching and research interests include research integrity and ethics and RPg students' mental health. She is in charge of the RPg student professional development program within the School of Engineering. She is interested in student-centred teaching and learning and e-learning.

Shaohua Hu Director of the Psychiatry Department, First Affiliated Hospital, at Zhejiang University School of Medicine. He graduated from Zhejiang University School of Medicine and finished a clinical training program at First Affiliated Hospital, ZJUSM. As a research visitor, he studied in the Psychiatry Department, at Columbia University in 2012. He has published more than 120 papers in high-impact journals, including Lancet Psychiatry, Science Advances, Advanced Sci, Cell Discov, JAMA Netw Open, and Clin Transl Med. His research focuses on the microbiome-brain axis and neuroimmune mechanisms of bipolar disorder. He is a member of the Lancet Psychiatry Editor Board Development Programme, editor of BMC Psychiatry, J Psychiatr Res, Neurosci Bull, Front Neurosci, and the guest editor of Frontier in Psychiatry, Pharmaceuticals. He is a referee of the following journals: Lancet Psychiatry, Lancet Reg Health West Pac, Cereb Cortex, Acta Psychiatr Scand, Bipolar Disorder, Neuroimage, and J Affect Disord.



APRU GLOBAL HEALTH PROGRAM WORKING GROUPS

Chairs



Ann Toh works as a home hospice physician delivering family-centred whole-person care to children with life-threatening, life-limiting illnesses in StarPALS, HCA Hospice Care. She also serves as a volunteer physician and advocate for vulnerable people groups. Ann serves as a clinician-educator for the School of Medicine, National University of Singapore and is actively involved in shaping undergraduate curriculum in the areas of community-based education for social determinants of health, social accountability, interprofessional education and compassion training. She has initiated and continues to nurture a local community of practice on Humanism & Humanities in Healthcare and has developed an innovative educational model for service learning using approaches grounded in Rogerian educational philosophy to nurture the next generation of compassionate healers of tomorrow. Within academia, Ann advocates for compassionate whole-person care by pursuing the development of research in medical education, applied health services research & community-based patient-centred models of care.

Nishakanthi Gopalan is a Senior Lecturer at the Medical Humanities and Ethics Unit (MedHEU), Universiti Malaya, specializing in research ethics with a focus on stem cell technology and emerging medical innovations. A biotechnologist by training with a PhD in research ethics, her work addresses the ethical and policy implications of cutting-edge technologies. Dr. Nisha is frequently invited to contribute to regulatory and policy discussions and has published extensively in leading bioethics journals. As Programme Coordinator for the Master of Health Research Ethics (MOHRE), developed in collaboration with Johns Hopkins University, she plays a key role in advancing ethics education at UM and across Malaysia.



Dr. Nisha is actively involved in ethics governance, serving on both the Universiti Malaya Research Ethics Committee (UMREC) and the UMMC Medical Research Ethics Committee (MREC). She teaches ethics across various platforms, including FutureLearn and APRU. Her research covers bioethics, emerging technologies, and clinical ethics, with a focus on regenerative medicine, genetic testing, and AI in healthcare.

Currently, she is leading key projects, including the NIH-funded Fogarty bioethics training grant and a study on genetic testing ethics in Parkinson's disease (funded by UMSC Care Fund). She also works on the governance of AI in healthcare, funded by the Dato' Mahmood Merican Research Grant, while seeking collaborations on ethical issues at local and international levels.

APRU GLOBAL HEALTH PROGRAM WORKING GROUPS

Chairs

Brian J. Hall is Founding Director of the Center for Global Health Equity and a Professor of Global Public Health at NYU Shanghai, with affiliated positions at NYU and Johns Hopkins. Since 2014, he has also served as an Adjunct Professor at Sun Yat-sen University.

Trained in Clinical Health Psychology (Kent State University), Hall specialized in global mental health and epidemiology at Johns Hopkins. Moving to China in 2013 as the last NIH Fogarty Fellow, he led pioneering studies on migrant health, infectious diseases, and mental health interventions. As WHO's first Global Mental Health Fellow in 2017, Hall contributed to the ICD-11's Cultural Sections and co-developed scalable mental health programs, adapted for Filipino workers and Chinese youth, and led trials for WHO interventions in Asia.



A prolific researcher, Hall has led significant studies on health in migrant communities in China, notably within African, Filipino, and Indonesian populations, examining HIV, mental health, and discrimination. His work earned him awards from APA and ISTSS, and he has served in advisory roles with WHO, UNICEF, UNAIDS, and the World Bank. Hall's mentorship efforts have been recognized with a Faculty Excellence in Advising Award from Johns Hopkins. He has published over 320 scholarly works, is a highly cited researcher (top 1% globally), and his research appears in leading journals like **The Lancet**, **Lancet Psychiatry**, **Nature Mental Health**, and **World Psychiatry**.

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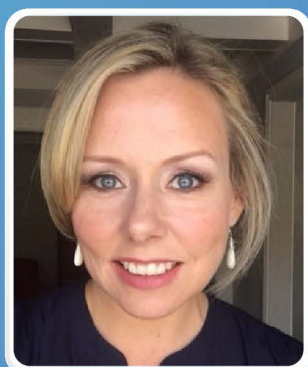
Nuchjaree Poosurn



Pornpan Lathiang

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International Organizing Committee 2024



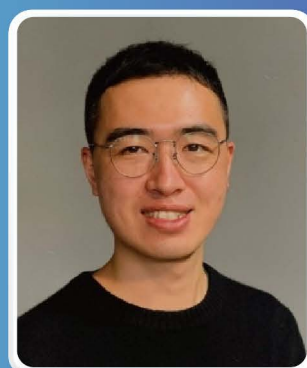
Professor Mellissa Withers

Global Health Program Director, Association of Pacific Rim Universities (APRU)
Professor of Clinical Preventive Medicine, University of Southern California



Christina Schönleber

Chief Strategy Officer, Association of Pacific Rim Universities
(APRU)



Benjamin Zhou

Program Manager, Association of Pacific Rim Universities
(APRU)

PROGRAMS

17th APRU Global Health Conference 2024

“Harmonizing Human and Planetary Health through Innovation, AI, and Digital Transformation”

Co-hosted by

School of Global Health, Faculty of Medicine, Chulalongkorn University

Association of Pacific Rim Universities

4-6 November 2024

Bhumisiri Building 12th Floor, Room 1210, King Chulalongkorn Memorial Hospital, Bangkok

Time	Topic	Speaker
Monday, 4 November 2024		
08:30 – 08:50 Room 1210	Opening Ceremony & Official Photos	<p>Welcome Address Chanchai Sittipunt Dean, Faculty of Medicine, Chulalongkorn University</p> <p>Welcome Address Thomas Schneider Chief Executive, APRU</p> <p>Updates on APRU Global Health Program Mellissa Withers Director, APRU Global Health Program</p>
08:50 – 09:10	Welcome Address & Opening Keynote	Professor Dr. Wilert Puriwat President, Chulalongkorn University
09:10 – 09:20	Official Photos	
09:30 – 10:30	Plenary 1 – Innovations in Healthcare and Digital Transformation Chair: Chaipat Chunharas, Jittima Luckanagul, Chulalongkorn University	
	Digital Transformation in Global Health Leadership	Rubin Pillay University of Alabama at Birmingham

	Innovating Health Link: Bridging Digital Solutions with Healthcare Systems	Namfon Praposri Big Data Institute, Thailand
10:30 – 11:00	Refreshment Break	
11:00 – 12:00	Student Virtual Case Competition	
	Improving Diabetes Care Management through Technological Innovation	Mellissa Withers Director, APRU Global Health Program Petch Rawdaree The Diabetes Association of Thailand
12:00 – 13:00	Lunch 13th Floor	
13:00 – 14:15	Parallel Breakout Session 1	
Room 1209	Concurrent Panel 1.1: Digital Health Moderator: Judith McCool, The University of Auckland Sira Sriswasdi, Chulalongkorn University 1. [#003] Artificial Intelligence Adoption in the Healthcare Sector in Singapore. Huong Ha , Singapore University of Social Sciences 2. [#032] Evaluating AI Voice Preferences in Adolescent Health Modules: Trust and Preference Dynamics Among Teens and Guardians. Jyu-Lin Chen , University of California San Francisco 3. [#028] Revealing Positive Perceptions and Accessibility Challenges in Virtual Reality Rehabilitation for Stroke Patients and Caregivers in Indonesia: A Qualitative Study. Maritza Andreanne Rafa Ayusha , University of Indonesia 4. [#036] Human-Centered Digitization of the Comprehensive Geriatric Assessment (CGA) Project in the Philippines: Lessons Learned. Angely P. Garcia , University of the Philippines Manila 5. [#088] Effects Of Immersive Virtual Reality Intervention for Alleviating Anxiety and Nausea among Pediatric Cancer Patients Undergoing Chemotherapy: A Randomized Controlled Trial. Cho Lee Wong , The Chinese University of Hong Kong 6. [#059] Nanoparticle Technology to Enhance HIV ART Drug-Delivery. San Htake Htar , Planned Parenthood Association of Thailand	

Monday, 4 November 2024

Room 1208

Concurrent Panel 1.2: Financing and Access to Medications/Governance

Moderator: Juhwan Oh, Seoul National University
Sorasich Swangsilp, Chulalongkorn University

1. [#030] Access to Anti-Malarial Medicines in Asia Pacific Regions between 2020 and 2022: A Multinational Cross-Sectional Investigation Between 2020 and 2022. **Yinuo Sun**, Peking University
2. [#007] Pharmaceutical Care Challenges for Bangkok's Homelessness: Insights from Pharmacy Students. **Theppitak Khemla**, Chulalongkorn University
3. [#016] How does Hong Kong make Innovative Cancer Drugs Available and Affordable? :A Qualitative Analysis of Policy Documents and Stakeholder Interviews. **Zhengwei Huang**, The Chinese University of Hong Kong
4. [#025] Equity in Health Financing Towards Universal Health Coverage in China. **Tiange Chen**, Peking University
5. [#045] Cost-Utility Analysis of Coronary Artery Calcium Screening to Guide Statin Prescription Among Intermediate Risk Patients in Thailand: A Healthcare Payer Perspective. **Pakpoom Wongyikul**, Chiang Mai University

Room 1204

Concurrent Panel 1.3: Mental Health

Moderator: Jessica Gipson, University of California, Los Angeles
Issarang Nuchprayoon, Chulalongkorn University

1. [#068] The Spiritual Care Competency of Healthcare Providers and Spiritual Well-Being of Geriatric Patients. **Eliza Mae P. Dar**, University of the East Ramon Magsaysay Memorial Medical Center
2. [#012] Social Participation and Depression Trajectories among Middle-aged and Older Women in China: The Role of Offline and Online Activities. **Dan Chen**, Shanghai University Asian Demographic Research Institute
3. [#075] The Association between Binge Eating Disorder and Obesity among Adolescents in Indonesia. **Yudha Asy'ari**, University of Indonesia
4. [#034] Does Worry about Mental Health Issues Relate to Inadequate Mental Health Services? An International Perspective. **Chia-Wen Wang**, National University of Singapore
5. [#171] Compassion in Action: Lessons from Wishing Well Foundation's Palliative Care Initiatives in Thailand. **Issarang Nuchprayoon**, Chulalongkorn University

Room 1205

Concurrent Panel 1.4: Cancer Basic Sciences

Moderator: Martin Wong, The Chinese University of Hong Kong
Chaiboot Ariyachet, Chulalongkorn University

1. [#072] Plant-produced Anti-PD 1 Antibody Fusion with IL-15 Complex Shows Progression in Tumor Growth Inhibition in Mouse Model. **Pipob Suwanchaikasem**, Baiya Phytopharm, Chulalongkorn University
2. [#073] A New Enterocloster Species Promotes Colorectal Tumorigenesis by Producing Carcinogenic Metabolites. **Yao Zeng**, The Chinese University of Hong Kong
3. [#057] AI-Driven Discovery of a Novel T-Cell Origin as Effective Immunotherapy for Lung Cancer. **Max Kam-Kwan CHAN**, The Chinese University of Hong Kong
4. [#058] AI-Driven Discovery of a Novel Neuroimmune Axis in Non-Small Cell Lung Cancer. **Zoey Zeyuan Ji**, The Chinese University of Hong Kong
5. [#076] A Deep Learning Model for Neuroblastoma Diagnosis from Plasma and Urine Metabolites Tolerant to Missing Data. **Suwitcha Waritthisan**, Thidanukhro School, Thailand

14:20 - 15:45

Plenary 2 - From Innovation to Impact: Driving Healthcare Access through Digital Solutions

Chair: Solaphat Hemrungrojn, Chaipat Chunharas, Chulalongkorn University

AI Revolutionizing Medical Care

Roongruedee Chaiteerakij
Chulalongkorn University

mHealth and Engaging Communities towards Improved Healthcare Access

Panyaphon Phiphatkhunarnon
Love Foundation

Innovative Telehealth Solutions for Bridging Healthcare Gaps in Thailand

Chang Foo
True Digital Group

Saudi Arabia Experience: The Seha Virtual Hospital and Innovation Enablement Center

Abdulaziz Suliman Alhomod
SEHA Virtual Hospital, Saudi Arabia

15:45 - 16:00

Refreshment Break

Monday, 4 November 2024		
16:00 – 17:00 Room 1204	Global Health Program: Education and Research Collaboration	Working Group Meeting (Open to all conference participants)
17:00 – 18:00	Welcome Cocktail for all conference participants	
Tuesday, 5 November 2024		
09:00 – 10:30 Room 1210	Plenary 3 – One Health/Planetary Health: Integrated Approaches Chairs: Nattiya Hirankarn, Sanipa Suradhat, Chulalongkorn University	
	Global One Health Challenges and Health Education	Michael Wilkes University of California, Davis
	Tracking Zoonotic Threats in Thailand: From Field Research to Policy Action	Supaporn Wacharapluesadee King Chulalongkorn Memorial Hospital
	Global Antimicrobial Resistance and One Health: Challenges and Solutions	Angkana Lekagul International Health Policy Program, Ministry of Public Health, Thailand
10:30 – 10:45	Refreshment Break	
10:45 – 12:00 Room 1210	Symposium 1 – Climate Change and Health Impact: Intersections of Human and Planetary Health Chairs: Kiat Ruxrungthum, Wipaporn Natalie Songtaweessin, Chulalongkorn University	
	Climate Change and Infectious Diseases	Gopal Panta FHI 360
	Climate Change and Reproductive Health	Pisake Lumbiganon President, Asia & Oceania Federation of Obstetrics &Gynaecology
	Air Quality and Health	Suwat Chariyalertsak Chiang Mai University
12:00 – 13:00	Lunch 13 th Floor	

13:00 – 14:15

Parallel Breakout Session 2

Room 1204

Concurrent Panel 2.1: Digital Health and Innovation

Moderator: Mu Li, The University of Sydney
Pon Trairatvorakul, Chulalongkorn University

1. [#017] Cyber-security in the Implementation of a Digital Depression Application (VMood) in Vietnam. **Hai, Tran Nhu**, Institute of Population, Health and Development, Vietnam
2. [#001] Learnings from the Use of Sensors for in-the-moment Anxiety Intervention. **Judith McCool**, University of Auckland
3. [#060] Happy CP Gloves: Innovative and Sustainable Solutions for Alleviating Hand Spasticity in Children with Cerebral Palsy. **Supacheep Sahakitrungruang**, Chulalongkorn University Demonstration School
4. [#033] Exploring the Efficacy of Mobile Technologies in Managing Care for HIV Exposed Children in Eswatini. **Themba Matsebula**, Young Heroes, Eswatini
5. [#024] The Impact of Technology on Radiology Services: An Action Research Study in a Malaysian District Hospital. **Ainunnadiah Darus**, Ministry of Health, Malaysia
6. [#021] Leveraging Digital Transformation by Introducing a Routine Birthing Experience Monitoring Tool to Strengthen Breastfeeding-friendly Health Systems in Cambodia, Laos and Vietnam. **Binh T.T Ta**, Alive & Thrive, FHI 360

Room 1205

Concurrent Panel 2.2: Education, Training & Ethics

Moderator: Catherine Zhou, The Hong Kong University of Science and Technology
Wimonmat Srichamroen, Chulalongkorn University

1. [#065] Effectiveness of Palliative and Hospice Care Basic Training Manual on Non-Health and Health Practitioners' Level of Knowledge in the Philippines: A Preliminary Study. **Edmar S. Elcarte**, De La Salle Medical and Health Sciences Institute
2. [#011] Developing Strategies for Preservation and Transmission of Indigenous Medicinal Knowledge across Generations in Karen Communities in Northern Thailand. **John O'Neil**, Simon Fraser University
3. [#015] Design, Uptake, and Adaptation of a Curated Global Infant and Young Child Feeding E-learning Course to Capacitate Frontline Health Workers. **Tuan T. Nguyen**, FHI 360

Tuesday, 5 November 2024

4. [#023] Cultural Humility and Sensitivity in Global Health Education. **Winnie Win Khine Yi**, National University of Singapore

5. [#052] Trends in Geopolitical and Socio-Economic Disparities in Antenatal and Postnatal Care in Cambodia, Laos, and Vietnam. **Tuan T. Nguyen**, FHI 360

Room 1208

Concurrent Panel 2.3: Environmental Health & Climate Change

Moderator: Sanjay Rampal, Universiti Malaya
Jenyuk Lohwacharin, Chulalongkorn University

1. [#018] Towards Sustainability of Global Health on Mass Gatherings Health Risk Preparedness, Prevention and Response: Lessons Learned from Tokyo 2020 to Paris 2024 Olympic and Paralympic Games. **Anqi LI**, Waseda University

2. [#009] Two Transitions, One Approach: Digitally Enabled, Climate-Resilient and Sustainable Healthcare. **Dr. Rebecca Patrick**, University of Melbourne

3. [#022] Climate-Induced Health Risks and the Physical and Mental Health of Asian Migrants: A Scoping Review. **Brian J. Hall**, Center for Global Health Equity, NYU Shanghai

4. [#061] The Global Burden of Lung Cancer Attributable to Ambient Particulate Matter Pollution: A Comprehensive Analysis from the Global Burden of Disease Study 2021. **Junjie Huang**, The Chinese University of Hong Kong

5. [#083] Association of Intrinsic Capacity and Long-term PM2.5 Exposure with Incidence of Heart Disease: Perspective Study in CHARLS **Xiaoyue Zhang**, Peking University

Room 1209

Concurrent Panel 2.4: Non-Communicable Diseases and Health Policy

Moderator: Heather Wipfli, University of Southern California
Chalarntorn Yothasmutra, National Health Security Office

1. [#002] E-cigarettes policy variance across the Western Pacific Region: A Policy Scan of 37 Countries. **Judith McCool**, University of Auckland

2. [#042] Understanding Stigma as a Barrier to Cancer Prevention and Treatment in Uganda and Zambia. **Kyra Guy**, University of Southern California

Room 1209

3. [#081] The Impact of E-Cigarette Taxation: A Systematic Review and Meta-Analysis on Usage, Pricing Strategies, and Public Health Implications. **Quan Wang**, Peking University

4. [#027] Economic Burden Attributable to High BMI-caused Cancers: A Global Level Analysis Between 2002 and 2021. **Junjie Huang**, The Chinese University of Hong Kong

5. [#085] Situational and Capability Analysis for Long Term Care in the Philippines (SiCAp LTC) Project. **Angely P. Garcia**, University of the Philippines Manila

6. [#055] Use of Hypofractionated Radiotherapy Treatment to Reduce Carbon Emissions in the Treatment of Prostate cancer: A Multicenter Study. **Narda Castellanos Joo**, Universidad de las Américas Puebla

14:20 – 15:45

Plenary 4 – Climate Change, Adaptation, and Health Resilience

Chairs: Pungpond Rukumnuaykit, Chulalongkorn University
Jain Charnnarong, President, The Recipients of Ananda Mahidol Foundation

Implementation of Climate Change Policies for Health Resilience

Mozaharul Alam
United Nations Environment Programme

The UNESCO Declaration of Ethical Principles on Climate Change: Applications to Planetary Health

Phinith Chantalangsy
UNESCO Bangkok Office

The Impact of Climate Change on Human Migration: Challenges and Solutions

Chris Richter
IOM – UN Migration

15:45 – 16:00

Break

16:00 – 17:00

NCDs, Mental Health, GH Education and Technology, Bioethics, Humanitarian Assistance and Health

Working Group Meeting
(Open to all conference participants)

18:00 – 20:00

Special Networking Dinner: Speakers, APRU Advisory Group, Host Leaders & Partners (Invited only)

Wednesday, 6 November 2024		
09:00 – 10:30 Room 1210	Plenary 5 – Economic Crises and Global Health Equity Chairs: Piya Hanvoravongchai, Kannika Damrongplasit, Chulalongkorn University	
	Advancing Global Health: Strategies for Strengthening Health Systems and Promoting Human Capital Development	Ronald Upenyu Mutasa World Bank (East Asia and Pacific Region)
	Strategies for Building Resilient Healthcare Systems, Lessons Learned and Future Directions	Thaksaphon Thamarangsi WHO South-East Asia Regional Office
	Strengthening Health System in the Global South: Financial Strategies in the COVID-19 Era	Jiayan Huang Fudan University
10:30 – 10:45	Break	
10:45 – 12:00 Room 1210	Symposium 2 – Building Resilient Health Systems: Healthcare Access and Cultural Sensitivity for Vulnerable and Minority Populations Chairs: Suttipong Wacharasindhu, Chulalongkorn University Borwornsom Leerapan, Mahidol University	
	Fostering Peace and Sustainable Development: Sociological Insight in Addressing Border Health Issue	Surichai Wungaeo UNESCO-MOST National Committee, Thailand
	Advancing Transgender Health and Rights: Innovative Approaches and Community-Led Healthcare	Kritima Jemma Samitpol Institute of HIV Research and Innovation
	Addressing Social Determinants of Health: Bridging Gaps in Healthcare for Vulnerable and Minority Populations	Thanakorn Jirasevijinda Weill Cornell Medicine

12:00 – 13:00	Lunch 13th Floor
13:00 – 14:15	Parallel Breakout Session 3
Room 1204	<p>Concurrent Panel 3.1: AI and Digital Health</p> <p>Moderator: Jason Huang, The Chinese University of Hong Kong Punnarai Siricharoen, Chulalongkorn University</p> <ol style="list-style-type: none"> 1. [#008] The Rise of Virtual Health Care: Transforming the Health Care Landscape in the Kingdom of Saudi Arabia. Haytham A. Sheerah, Ministry of Health, Saudi Arabia 2. [#004] Development and Automation of ‘Easy Language’ for Healthcare in Thailand. Navapon Monkiatkul, Chulalongkorn University 3. [#038] Feasibility Of Smartphone-based Chatbot Intervention to Promote Influenza and Covid-19 Vaccination in South Asians Ethnic Minorities. Cho Lee Wong, The Chinese University of Hong Kong 4. [#168] Project AI For Audit: Implementing Predictive Intelligence. Pariyat Limpitheeprakan, National Health Security Office, Thailand
Room 1205	<p>Concurrent Panel 3.2: Health Systems and Public Health</p> <p>Moderator: Dr. Tuan Nguyen, FHI 360 Masamine Jimba, The University of Tokyo</p> <ol style="list-style-type: none"> 1. [#014] Donor Human Milk Practices in India: An Analysis of Health Systems Barriers and Facilitators. Rubina Acharya, Thammasat University 2. [#039] Strengthening Health Systems and Financing One District at a Time: Success of the Konsulta Primary Benefit Package Demonstration in Agdao District, Davao City. Sherrie Amor N. Campaner, City Government of Davao, Philippines 3. [#053] Exploring Data Governance in Healthcare of Older Persons: A Scoping Review. Angely P. Garcia, University of the Philippines Manila 4. [#169] Blood lead level and associated children’s factors, nutritional status, and daily dietary intake in Used Lead-Acid Battery (ULAB) recycling area. Putri Bungsu Machmud, Universitas Indonesia 5. [#074] Development of a Composite Measure of Overall Health Status: Prospective Exploratory Validation in Brunei Darussalam. Bibina Tuty Umaira Hj Abd Hamid, EVYD Technology, Singapore

Wednesday, 6 November 2024

Room 1208

Concurrent Panel 3.3: Mental Health

Moderator: Magaret Rea, University of California, Davis
 Nattasuda Taephant, Chulalongkorn University

1. **[#046] Resilience Capacity of Emergency Medical Service (EMS) Providers in Thailand Regarding Emerging and Re-emerging Infectious Diseases.** **Alina Pant**, Mahidol University
2. **[#049] Patterns of Detection and Treatment of Mental Health Problems Among Women Overseas Filipino Workers (OFWs): Implications to Psychosocial Support Services.** **Veronica Esposito Ramirez**, University of Asia and the Pacific
3. **[#037] Feasibility of a Digital Mindfulness Program (MightyNow) for Chinese University Students: A Single-arm, Pre-post pilot study.** **Yuanyuan Zhang**, Shanghai Jiao Tong University
4. **[#172] Lessons Learned from DMIND: Multimodal AI model for Depression.** **Natawut Nupairoj**, Chulalongkorn University
5. **[#170] Demonstrated Mental Health and Psychosocial Support for LGBTQI+ and Young People in the Community-led Organization in Thailand.** **Phubet Panpet**, MPLUS Foundation

Room 1209

Concurrent Panel 3.4: Infectious Diseases

Moderator: John Sinnott, University of South Florida
 Wipaporn Natalie Songtaweessin, Chulalongkorn University

1. **[XXX] AI-Driven Innovations: Shaping the Future of Infectious Disease Control.** **John Sinnott**, University of South Florida
2. **[#035] The Relation of Epstein-barr Virus Seroprevalence Among Children with Economic Status and Healthcare Quality.** **Lita Tantipraphat**, Chulalongkorn University
3. **[#051] Antimicrobial Use and Consumption Surveillance Support Antimicrobial Resistance Containment: Experiences from Nepal.** **Parishan Shrestha**, Chulalongkorn University
4. **[#064] Distilling Personal Expressions on Influenza Vaccination in Social Media: A Text-mining Descriptive Analysis on Sino Weibo In China.** **Biao Xu**, Fudan University

14:20 – 15:40 Room 1210	Plenary 6 – Cultural Integration & People-Centered Design for Planetary Health Solutions Chairs: Pavika Sriratanaban, Pongpisit Huyakorn, Chulalongkorn University	
	Sustainable Forest Restoration: Lessons from KASIKORN-BANK’s initiative in Nan Province	Pipit Aneaknithi President, Kasikorn Bank Public Company
	Regenerative Design for Well-Being: Integrating Ecological and Social Innovation in Urban and Rural Landscape	Thomas Chung Chinese University of Hong Kong
	Beneath the Surface: Environmental Challenges to Aquatic Animal Survival	Nantarika Chansue President, Thai Aquatic Veterinary Association and Earth Agenda Foundation
15:40 – 15:55	Break	
15:55 – 16:10	Keynote Closing Talk	Suttipong Wacharasindhu School of Global Health, Chulalongkorn University
16:10 – 16:30	Closing & Award Ceremony	

SPEAKERS, MODERATORS & MENTORS

Hyperlink for Speaker Bio



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SEHA Virtual Hospital,
Saudi Arabia



Angkana Lekagul
Ministry of Public Health,
Thailand



Borwornsom Leerapan
Mahidol University,
Thailand



Catherine Zhou
The Hong Kong University of Science
and Technology, Hong Kong



Chaiboot Ariyachet
Chulalongkorn University,
Thailand



Chaipat Chunharas
Chulalongkorn University,
Thailand



Chalarntorn Yothasmutra
National Health Security Office,
Thailand



Chang Foo
True Health



Chris Richter
IOM - UN Migration



Gopal Panta
FHI 360, Nepal



Heather Wipfli
University of Southern California,
United States of America



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Chulalongkorn University,
Thailand



Jain Charnnarong
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Jason Huang
The Chinese University of
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Jessica Gipson
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SPEAKERS, MODERATORS & MENTORS

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Fudan University, China



Jittima Luckanagul
Chulalongkorn University,
Thailand



John Sinnott
University of South Florida,
United States of America



Judith McCool
The University of Auckland,
New Zealand



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Programme (UNEP)



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Big Data Institute , Thailand

SPEAKERS, MODERATORS & MENTORS

Hyperlink for Speaker Bio



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and Earth Agenda Foundation, Thailand



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Nattiya Hirankarn
Chulalongkorn University,
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Panyaphon Phiphatkhunarnon
Love Foundation, Thailand



Pavika Sriratanaban
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Thailand



Petch Rawdaree
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Thailand



Pungpond Rukumnuaykit
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Ronald Upenyu Mutasa
World Bank (East Asia and Pacific Region)



Roongruedee Chaiteerakij
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Thailand



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Sira Sriswasdi
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Wipaporn Natalie Songtaweessin
Chulalongkorn University,
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APRU WORKING GROUP SESSION



Round Table: Global Health Program: Education and Research Collaboration

4 November (16:00 – 17:00)

Room 1204

To effectively promote global health education and research collaboration within formal education, it is essential to integrate principles of equity, decolonization, and cross-regional partnerships into curricula and institutional frameworks. Education programs should move beyond traditional classroom models by embedding experiential learning, such as student exchanges, field placements, and collaboration with health workers in diverse settings. Emphasis must be placed on fostering critical thinking about power imbalances in global health, encouraging students to engage with marginalized voices, and promoting South-South cooperation.

By adopting interdisciplinary approaches, global health education can cultivate professionals who understand both the scientific and sociopolitical aspects of health, empowering them to address disparities and develop context-specific solutions. Teaching must highlight the importance of decolonizing health systems by shifting the narrative from external aid to mutual partnership, where leadership from the Global South is central to decision-making and knowledge production. Programs should include case studies that reflect real-world challenges, emphasize community engagement, and involve co-teaching models with academics, health practitioners, and policymakers from different global contexts.

Through formal education that prioritizes collaboration, students will not only learn to navigate complex health challenges but also contribute meaningfully to reshaping global health efforts toward a more equitable, inclusive, and sustainable future. This session will be led by Prof. Mellissa Withers, Professor Taninee Sahakitrungruang, and Dr. Bumi Herman.



APRU WORKING GROUP SESSION

APRU WORKING GROUP SESSION

5 November (16:00 – 17:30)

At this year's APRU Global Health Conference, we are pleased to offer working group meetings open to all participants. Each session will last 90 minutes and will be led by a chair and co-chair. These sessions will cover five distinct topics, providing an opportunity for in-depth discussion and collaboration.

Working Group on Global Health Education & Technology

Room 1204

Technological innovation is a key topic in this year's conference. We appreciate its applications in global health leadership, case management, system governance, and healthcare access. Educators around the world also see emerging technologies as powerful tools in global health education. While technology brings us solutions, can we bring them to all the places where they are needed, such as low- and middle-income economies with limited access to technology? Following the introduction of the innovative applications on the first day of the conference, we would like to invite you to join us in this round-table discussion led by **Dr Catherine Zhou** on how to improve equal access to technology-enhanced global health solutions and education, e.g. the collaboration model of all stakeholders, the characteristics of the technological solutions, and the support of policy and regulations.

APRU WORKING GROUP SESSION



Working Group on Mental Health

Room 1205

The disease burden of depressive disorders and bipolar disorders is a leading global health issue, especially in the post-COVID-19 era and among young people. Innovations in preventive measures, diagnostic technologies, and treatment strategies for mood disorders are warranted to handle this global challenge. Digital technology holds great promise in terms of mental healthcare. In this interactive session led by **Dr. Shaohua Hu and Dr. Brian Hall**, we will focus on the mental health of children and adolescents. We will first briefly review the trends in the disease burden of mood disorders in this population globally. Then, in small group discussions, we will explore these questions:

- How can digital technologies be used to better address mental health issues in young people?
- What are the challenges of using digital technologies to address mental health issues in young people?
- What are the recommendations of our group to guide the development of programs that use technology to improve mental healthcare among youth?

Working Group on Bioethics

Room 1213

Training in research ethics is paramount to conducting ethical research with communities. However, often unanticipated challenges arise in the field that are difficult to navigate in the cultural and contextual setting. For example, informed consent and confidentiality may be understood very differently in some cultural settings. In this interactive session led by **Dr. Nishakanthi Gopalan and Dr. Jonathan Guillemot**, we will explore participants' stories about ethical dilemmas that arise when conducting health-related research in the real world and how they were resolved. The overall objective of this session is to compile a list of case studies that can be published in the future as a teaching resource for a classroom or training discussion.



APRU WORKING GROUP SESSION

Working Group on Non-Communicable Diseases

Room 1208

The global burden of non-communicable diseases (NCDs) has been on the rise for the past few decades. Among these NCDs, cancer is one of the leading causes of morbidity and mortality. There is an urgent need to review the global burden of diseases attributable to cancers and examine the future perspective of future research. This session, led by **Dr Martin Chi-sang Wong and Dr Jason Junjie Huang**, aims to enlist participants' views and opinions on the current landscape of cancer epidemiology and burden in the Asia-Pacific region and collect comments on the knowledge gap to inform future research to address emerging issues. The working group will aim to disseminate and publish the discussion in a peer-reviewed journal to inform future implementation of public health policies.

Working Group on Humanitarian Emergencies and Health

Room 1212

Frontline workers, learners and researchers who are engaged in fieldwork humanitarian assistance are faced with multiple challenges including the need to work within an unfamiliar and possibly cross-cultural context and systems compounded by multiple real-world, grounds challenges and barriers in low resource settings. On top of this, individuals may at times with overwhelmed on an emotional and psychological level as they encounter and work towards mitigating problems faced by communities in dire need. How can individuals and teams continue frontline efforts sustainably whilst building resilience for long-term impact? This roundtable discussion led by **Dr. Ann Toh** explores ideas, strategies and approaches to prepare, equip and support individuals and teams involved in various roles at the frontlines of humanitarian assistance.

ABSTRACTS



Abstracts submitted for APRU 2024 are evaluated by international reviewers and the APRU 2024 organizing committee. Each abstract is assessed based on global health significance, impact, novelty, appropriateness of methods, presentation of results, and overall clarity. The highest-scoring abstracts will be selected for oral presentations and poster displays at the conference.

For those interested in specific formats, abstracts may follow either a “Lessons Learned” structure or a “Research” structure, detailing key insights or research findings.

Submissions are encouraged across several tracks:

- Track A: Digital Transformation and AI for Health
- Track B: Health Financing, Geopolitics, and Bioethics
- Track C: Climate Change, Pollution, and Planetary Health
- Track D: Health Systems
- Track E: Non-Communicable Diseases
- Track F: Communicable Diseases
- Track G: Others

For more information and to access the complete collection of abstracts, please [\[Click Here\]](#) or scan the QR code below.



APRU STUDENT AMBASSADORS 2024-2025



Olivia Kelly is currently a Regulatory Research Associate at Memorial Sloan Kettering Cancer Center, where she dedicates her expertise to advancing cancer treatment protocols. She is also interning with the Global Cancer Disparities Initiative program at MSKCC to achieve her practicum hours for the University of Southern California's Master in Public Health Program. As part of her internship with the GCDI program, Olivia is actively involved in conducting research and analysis to better understand the diverse factors contributing to cancer disparities worldwide. Her role allows her to collaborate with experts in the field, contribute to innovative projects, and gain firsthand experience

in global health strategies. This dual role highlights Olivia's dedication not only to advancing cancer research and treatment locally but also to making a significant impact on a global level by addressing disparities in healthcare access and outcomes. Outside of her professional life, Olivia finds joy in the company of her family, friends and two beloved dogs, Luna and Goose. Her favourite pastime involves the serenity of the beach, whether it's jet-skiing along the waves or simply watching Luna and Goose swim in the ocean.

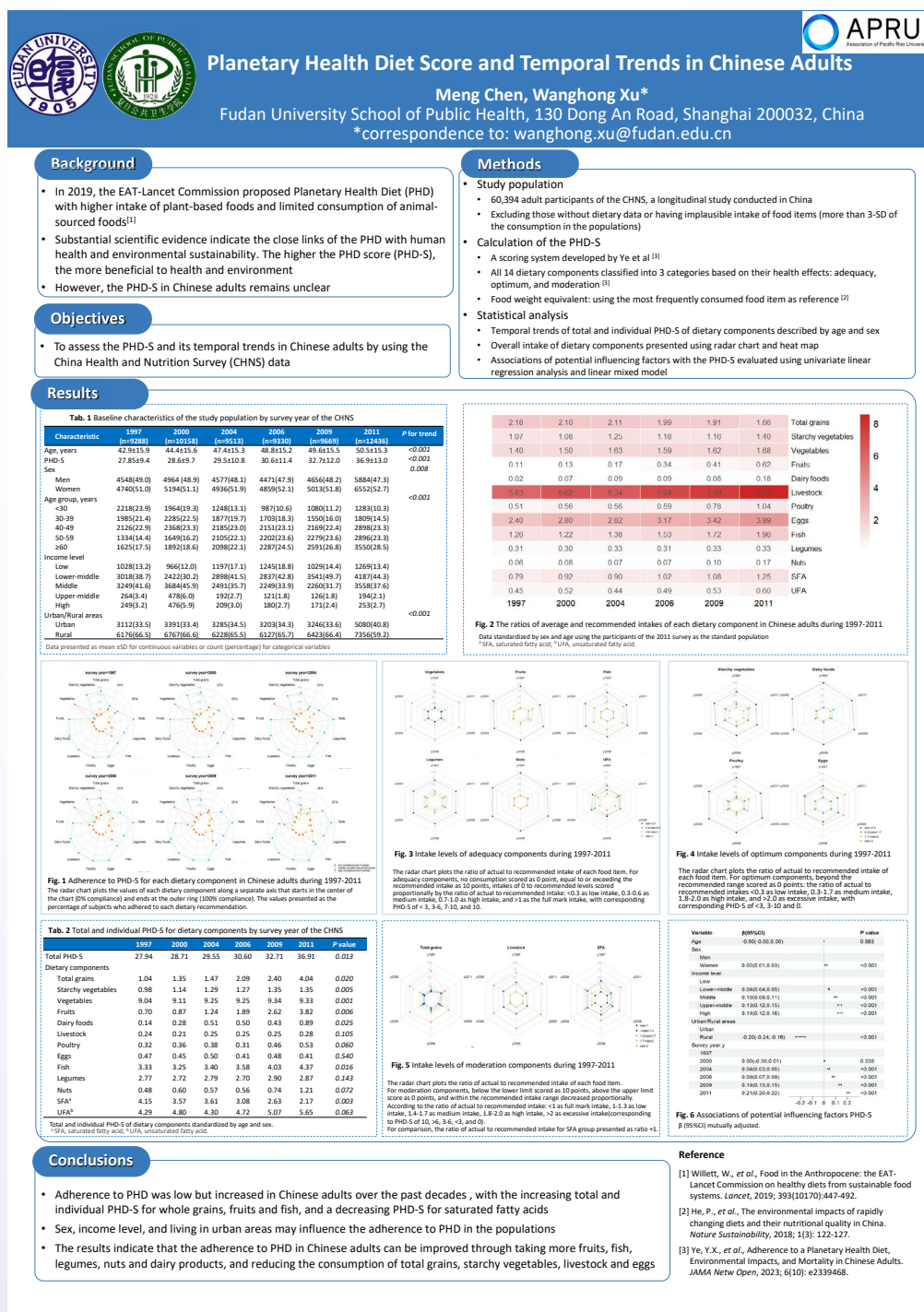


Nicole Tang is a senior majoring in Global Health and minoring in Foundations of Data Science, while also pursuing a MS in Public Health Data Science through the Progressive Degree Program. She is passionate about the clarity that data analysis and visualization can bring to better understand the challenges and opportunities in public health initiatives, and how we may better address the social, cultural, economic and environmental factors that underlie health inequities in both a local and global context. She is currently working on research and projects focusing on women's health in Kenya and road trauma and injury in Uganda with the USC GRIT lab, having had the opportunity this past year to do fieldwork in Nairobi, Kampala, and Lira. She has also had the opportunity to study the impact of infectious and chronic disease, demographics, and social and economic factors from a system perspective through various USC Maymester and Julymester programs that have taken her to Medellín, Seoul, and Oxford. Off-campus she has done internships with Keiro Senior Services, World War II Camp Wall, and Long Beach Health Department. On campus, Nicole is involved with Keck Student Ambassadors, Camp Kesem, and the Nikkei Student Union. In her spare time, she likes playing board games with friends and trying new restaurants in LA!

STUDENT POSTER CONTEST FINALIST

Undergraduate Category

Meng Chen, et al. from Fudan University, with the poster "Planetary health diet score and temporal trends in Chinese adults"



Conclusions

- Adherence to PHD was low but increased in Chinese adults over the past decades, with the increasing total and individual PHD-S for whole grains, fruits and fish, and a decreasing PHD-S for saturated fatty acids
- Sex, income level, and living in urban areas may influence the adherence to PHD in the populations
- The results indicate that the adherence to PHD in Chinese adults can be improved through taking more fruits, fish, legumes, nuts and dairy products, and reducing the consumption of total grains, starchy vegetables, livestock and eggs

Reference

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- He, P., et al., The environmental impacts of rapidly changing diets and their nutritional quality in China. *Nature Sustainability*, 2018; 1(3): 122-127.
- Ye, Y.X., et al., Adherence to a Planetary Health Diet, Environmental Impacts, and Mortality in Chinese Adults. *JAMA Netw Open*, 2023; 6(10): e2339468.

STUDENT POSTER CONTEST FINALIST

Kaung Htet Wai,
from Mae Fah Luang University, with
the poster "Trends and determinants
of tuberculosis incidence in Myanmar
from 2010 to 2022



APRU Global Health - 10th Annual Student Poster Contest 2024

Trends and Determinants of Tuberculosis (TB) Incidence in Myanmar from 2010 to 2022

Kaung Htet Wai, Bachelor of Public Health Program
School of Health Science, Mae Fah Luang University, Thailand

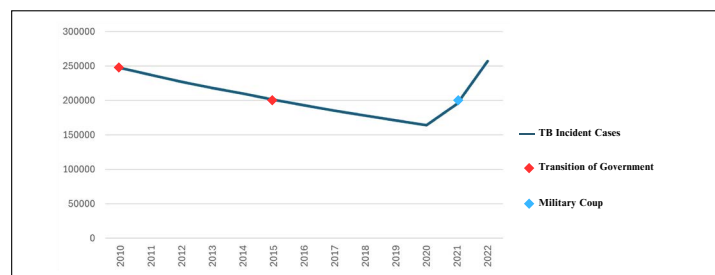
Introduction

Tuberculosis (TB) caused by *Mycobacterium tuberculosis* bacteria remains a major public health challenge globally, particularly in low- and middle-income countries. Myanmar, with its unique socio-political landscape, faces a significant TB burden. Understanding the trends and determinants of TB incidence in Myanmar is crucial for developing effective intervention strategies. This study aims to analyze the patterns of TB incidence from 2010 to 2022 and identify key socioeconomic and healthcare-related factors contributing to these trends.

Methods

A retrospective longitudinal study was employed to analyze the trends and determinants of Tuberculosis (TB) incidence in Myanmar from 2010 to 2022, using secondary data from the WHO TB database, World Bank, Myanmar's Ministry of Health, and previous studies. Demographic, socioeconomic, health-related, and environmental factors are collected. Time series analysis, and bivariate correlation analysis were employed to visualize trends and identify impactful factors at the significance level of $\alpha = 0.05$.

Results



Trends of Tuberculosis (TB) Incidence in Myanmar from 2010 to 2022

Variable	GDP per capita	Unemployment Rate	Poverty Rate	Health Expenditure	Healthcare Access	BCG Coverage	HIV Prevalence	% of Pop. in Overcrowded Places
TB Incidence	-0.452	0.395	0.502	-0.721	-0.685	-0.816	0.692	0.410

Bivariate Correlation Analysis of Determinants of TB Incidence in Myanmar from 2010 to 2022

Discussion

The analysis shows a significant decrease in TB incidence in Myanmar from 2010 to 2020 despite two government transitions. However, following the 2021 military coup, TB incidence has notably increased over the past decade. Key determinants such as GDP per capita, government health expenditure per capita, proportion of population with healthcare access, and BCG vaccine coverage negatively correlate with TB incidence, indicating that declines in these areas can raise TB rates. Conversely, higher unemployment, poverty, HIV prevalence, and overcrowding positively correlate with TB incidence, suggesting that increases in these areas can exacerbate TB incidence rates. These findings highlight the critical role of socioeconomic factors and healthcare infrastructure in TB incidence.

Conclusion

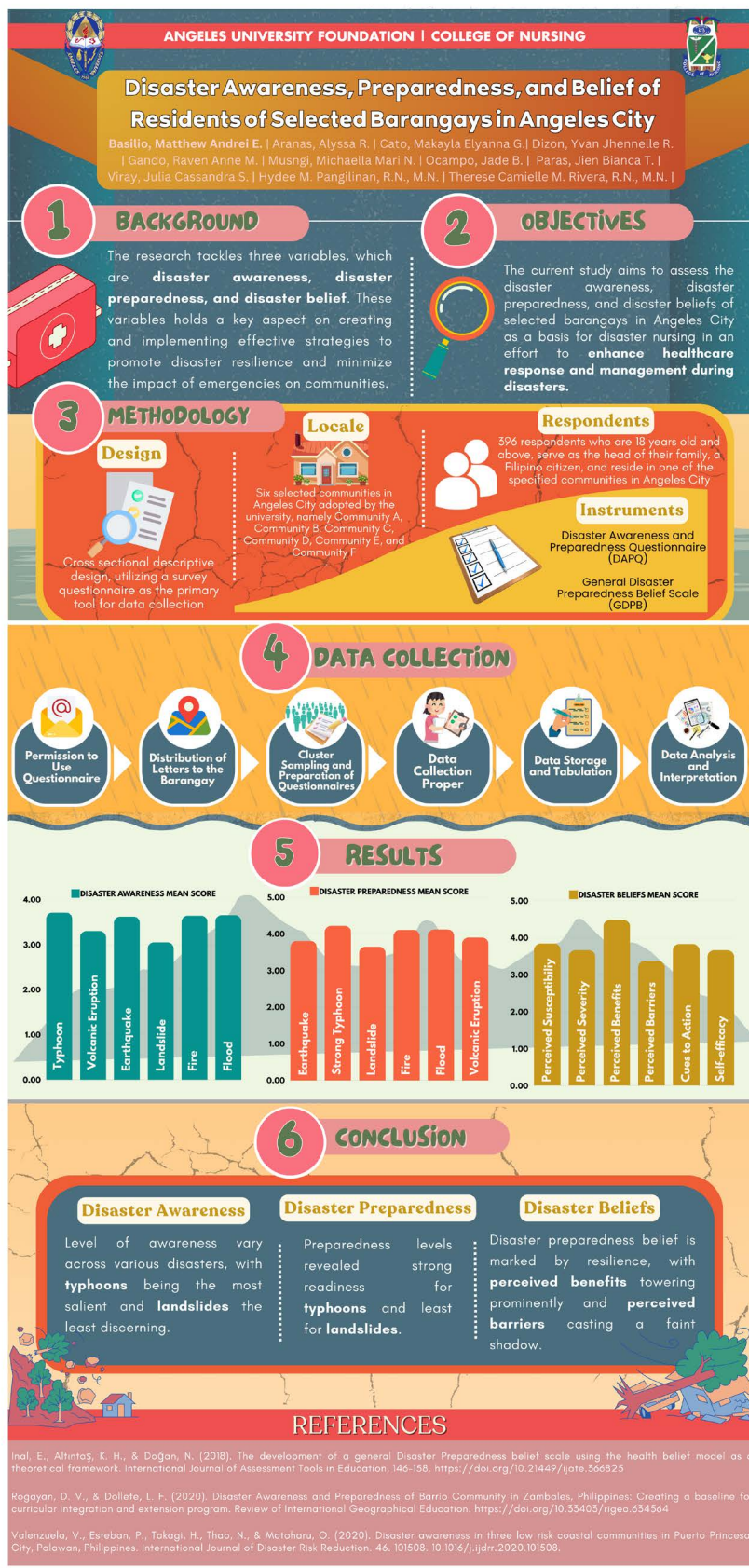
This study highlights the complex interplay of socioeconomic and healthcare factors influencing TB incidence in Myanmar. The findings underscore the need for comprehensive public health strategies addressing income and employment disparities, improving healthcare expenditure and access, fostering BCG vaccine program, and managing HIV prevalence to control TB incidence effectively.

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STUDENT POSTER CONTEST FINALIST

Matthew Andrei E Basilio, et al.
from Angeles University, with
the poster "Disaster awareness,
preparedness, and belief of
residents of selected barangays in
Angeles city."



STUDENT POSTER CONTEST FINALIST

Graduate Category

From Mahidol University, Ganyalak Chaimaha, et al. with the poster "Genetic underpinnings of COVID-19 induced Diabetes Mellitus: a focus on IL33"



Genetic Underpinnings of COVID-19 Induced Diabetes Mellitus: A Focus on IL33

Ganyalak Chaimaha¹, Sarocha Suthon^{2,3,4}, Tassanee Narkdontri^{2,3,4}, Nipaporn Teerawattanapong^{2,3,4}, and Watip Tangjitpokin^{2,3,4}*

¹Graduate Program in Immunology, Department of Immunology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, 10700, Thailand.

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ABSTRACT

The COVID-19 pandemic has resulted in significant morbidity and mortality worldwide, with long-term complications extending beyond respiratory illness to include metabolic disorders such as new-onset diabetes mellitus (DM). This study focuses on the cytokine interleukin-33 (IL33), which has been implicated in the inflammatory response to SARS-CoV-2 and regulation of glucose metabolism, highlighting its potential role in COVID-19 induced diabetes. We conducted a genetic analysis of COVID-19 patients to explore the association between IL33 genetic variants and the development of diabetes post-infection. Our research involved genome-wide association studies (GWAS) and genotyping to identify single nucleotide polymorphisms (SNPs) in the IL33 gene. The study revealed significant correlations between specific IL33 variants and increased risk of diabetes among COVID-19 survivors. Notably, SNPs such as rs16924144 showed that individuals with the wildtype genotype had a significantly higher risk of developing hyperglycemia compared to those with the mutant genotype, with an odds ratio of 2.025 (95% CI, 1.019-4.024, $p = 0.044$). The identified polymorphisms may affect IL33 mRNA expression or stability, resulting in altered protein levels that can either exacerbate or impair the inflammatory response. Elevated IL33 levels might provoke an excessive inflammatory reaction, while insufficient levels could hinder inflammation resolution, both contributing to beta-cell dysfunction and the interaction between IL33 and its receptor ST2, along with its interplay with other cytokines like IL-6 and TNF- α , could amplify the inflammatory cascade seen in severe COVID-19 cases, leading to metabolic disturbances. Our findings suggest that IL33 and its genetic variants play a crucial role in the pathogenesis of COVID-19 induced diabetes, offering potential targets for therapeutic intervention. Understanding these mechanisms could aid in developing long-term metabolic strategies to mitigate long-term metabolic complications in COVID-19 patients.

INTRODUCTION

The COVID-19 pandemic has led to significant acute respiratory illness and long-term metabolic complications, including new-onset diabetes mellitus (DM). Interleukin-33 (IL33) is emerging as a key player in the development of COVID-19-related diabetes. Released in response to cellular damage, IL33 is involved in the inflammatory response to SARS-CoV-2 and glucose metabolism regulation. This study explores the genetic mechanisms through which IL33 influences diabetes development in COVID-19 patients, identifying significant correlations between IL33 genetic variants and post-COVID-19 diabetes. Specific single nucleotide polymorphisms (SNPs) affecting IL33 function contribute to beta-cell dysfunction and insulin resistance. Additionally, IL33's interaction with cytokines like IL-6 and TNF- α further clarifies the cytokine network's role in COVID-19-induced diabetes.

METHODOLOGY

We conducted a comprehensive genetic analysis of 471 COVID-19 patients, focusing on the genetic variants of IL33 using genome-wide association studies (GWAS) and genome genotyping.

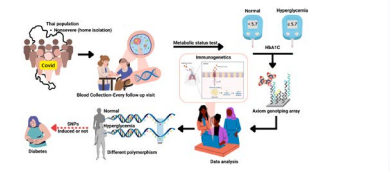


Figure 3 Study concept

BACKGROUND

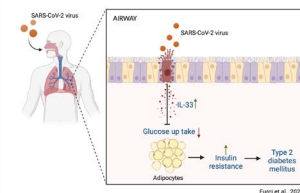


Figure 1 Pathophysiology of COVID-19 induced T2DM

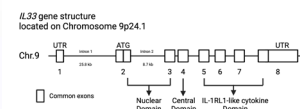


Figure 2 Location of IL33 gene in chromosome 9

OBJECTIVE

To explore the genetic mechanisms of which IL33 SNPs influence the development of diabetes in COVID-19 patients.

RESULTS

Table 1 Descriptive analysis of the cohort

Clinical characteristics	Control (n=145)	Cases (n=145)	p-value
Age, mean (SD)	39.82 (14.55)	52.53 (14.48)	<0.001
Weight, mean (SD)	64.22 (15.72)	69.29 (15.71)	0.001
Height, mean (SD)	162.32 (9.06)	160.48 (9.77)	0.634
BMI (kg/m ²)	24.31 (4.53)	26.65 (5.22)	<0.001
Sex			
Male, n (%)	95 (65.52)	95 (65.52)	0.851
Female, n (%)	50 (34.48)	50 (34.48)	
HbA1c, 1 (% inhibition), median (IQR)	97.68 (1.12)	97.8 (1.31)	0.288
HbA1c, 2 (% inhibition), median (IQR)	96.82 (2.44)	96.92 (2.01)	0.249
CRP, 1, median (IQR)	1.16 (3.3)	1.3 (2.25)	0.625
CRP, 2, median (IQR)	1.36 (2.18)	1.71 (2.62)	0.008
HbA1c, 3 (% inhibition), median (IQR)	5.4 (0.32)	6.8 (1.3)	<0.001
HbA1c, 4 (% inhibition), median (IQR)	5.4 (0.3)	6.1 (0.75)	<0.001
Cr, (mg/dL), median (IQR)	0.76 (0.34)	0.76 (0.38)	0.762
Cr, (mg/dL), median (IQR)	0.74 (0.31)	0.75 (0.37)	0.369
Direct LDL, 1, median (IQR)	123 (84.5)	122 (86)	0.588
Direct LDL, 2, median (IQR)	116 (67)	129 (54.5)	0.008
Anti spike, 1 (AU/mL), median (IQR)	6965.3 (14958.3)	6959.4 (13712.65)	0.202
Anti spike, 2 (AU/mL), median (IQR)	6959.3 (11972.8)	6179.1 (13046.45)	0.063
IL-6, 1 (pg/mL), median (IQR)	1.5 (0.65)	1.5 (0.18)	0.688
IL-6, 2 (pg/mL), median (IQR)	1.5 (0.65)	1.54 (0.64)	0.666

*** $p < 0.001$ 1-month follow-up and 2-3 months follow-up age, weight, height, and BMI = independent sample test (normal distribution)
The rest = Mann-Whitney U test (non-normal distribution)
Sex and diseases = Pearson chi-square test

ACKNOWLEDGEMENT

This research project is supported by Mahidol University (Fundamental Fund, fiscal year 2023) by National Science Research and Innovation Fund (NSRF) (grant no.R016441022)

RESULTS

Table 2 Comorbidities in post COVID-19 DM patients

Clinical characteristics	Control (n=145)	Cases (n=145)	p-value
Chronic kidney disease, n (%)	0	37 (25.52)	0.002
Arthritis, n (%)	0	30 (20.69)	0.002
CAD, n (%)	41 (28.28)	80 (55.17)	0.108
CAD, n (%)	28 (19.31)	104 (72.41)	0.10
Congenital heart disease, n (%)	41 (28.28)	29 (20.0)	0.515
Coronary artery disease, n (%)	41 (28.28)	29 (20.0)	0.482
Cerebrovascular disease, n (%)	10 (6.9)	0	0.261
HTN, n (%)	30 (20.69)	85 (58.62)	<0.001
RA, n (%)	24 (16.55)	63 (43.45)	<0.001
Chronic liver disease, n (%)	10 (6.9)	44 (30.34)	<0.001
Ischemic cardiomyopathy, n (%)	10 (6.9)	29 (20.0)	0.006
Pregnancy, n (%)	28 (19.3)	0	0.188
Stroke, n (%)	116 (79.7)	129 (88.9)	0.006
Diast, n (%)	10 (6.9)	52 (35.86)	0.009
Typhoid, n (%)	50 (34.48)	52 (35.86)	0.412

***Statistical = Pearson chi-square test

Table 3 Genotype and allele frequency of IL33 polymorphisms in post COVID-19 patients

IL33 polymorphism	Allele	Genotype	Control	Cases	OR (95% CI)	p-value
rs16924144	T/C	TT	121 (83.45)	104 (72.41)	1	Reference
		CT	24 (16.55)	85 (58.62)	0.995 (0.650-1.520)	0.980
		CC	0	20 (13.91)	2.025 (1.019-4.024)	0.044
		TT	352 (241.0)	293 (202.5)	1	Reference
		CT	151 (103.0)	141 (97.5)	1.267 (0.934-1.719)	0.128

***p-value = binary logistic regression

Table 4 Association between IL33 polymorphisms and post COVID-19 patients

IL33 polymorphism	Allele	Genotype	Control	Cases	OR (95% CI)	p-value
rs16924144	T/C	TT	121 (83.45)	104 (72.41)	1	Reference
		CT	24 (16.55)	85 (58.62)	0.995 (0.650-1.520)	0.980
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		TT	352 (241.0)	293 (202.5)	1	Reference
		CT	151 (103.0)	141 (97.5)	1.267 (0.934-1.719)	0.128

***p-value = binary logistic regression

CONCLUSION

Our findings reveal a significant correlation between a IL33 variant rs16924144 and the incidence of diabetes in post-COVID-19 cases.



Figure 6 Take home messages

FUTURE DIRECTION

Examine the biological roles of IL33 polymorphisms especially IL33 variant rs16924144 and explore other innate immune genes linked to type 2 diabetes mellitus (T2DM). This investigation aims to predict disease progression and develop strategies for preventing or treating specific symptoms and potential complications.

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STUDENT POSTER CONTEST FINALIST

From University of Melbourne,
Raania Amaani, et al. with the
poster "Caregiving together
framework: optimizing the
involvement of fathers in
caregiving of children with
disability"

Caregiving Together Framework: Optimising the Involvement of Fathers in Caregiving of Children with Disability

Raania Amaani*, Nicole Bishop and Nathan Grills
Melbourne school of population and Global Health, University of Melbourne, Australia
*ramaani@student.unimelb.edu.au

Background

266 MILLION CHILDREN
with disabilities worldwide

require special attention to enhance their overall well-being and development.(1) The active participation of fathers in caregiving of children with disabilities (CWD) is crucial for promoting their development.(2,3) However, research on the experiences of fathers in taking care of CWD is scarce, especially, where mothers are traditionally the primary caregivers.(4,5)

Objective

This study aims to explore the lived experiences of fathers' involvement in taking care of children with a disability, and subsequently construct a framework for optimising paternal involvement.

Methodology

Data of this qualitative study were collected in late 2023 across 8 sites over 5 states in India in collaboration with project community workers from 7 partner organisations as implementers. Data from fathers was triangulated with insights from mothers to enhance validity.(6)

Parents of CWD

54 Semi-structure Interviews (SSI)

42 males 12 females

9 Focus group discussions (FGD)

7 mix-gender groups 1 male group 1 female group

The data was analysed using inductive interpretative analysis, specifically thematic analysis and grounded theory techniques to construct a framework, with the assistance of NVivo 14 software.

Results

Three major themes emerged. First, the role of father depends on the mindset and emotion, influenced by spatial, relational and capability dimensions. Second, fathers feel better and value their children more, the more involved they are, which is influenced by their self-perception (respect and appreciation), self-compassion (collaboration and quality time), and self-regulation (emotional control and rational expectation). Thirdly, importance is placed on supportive environments and services such as inclusive public services and support, community sharing and encouragement, and individualised disability services and opportunities. From these themes, the 3Hs framework is proposed, consisting of three interconnected principles: Hand (involvement), Heart (feeling) and Head (mindset).

3Hs Framework: Optimisation of Fathers Involvement

External Support

- Inclusive public services & support
- Community sharing & encouragement
- Individualised disability service & opportunity

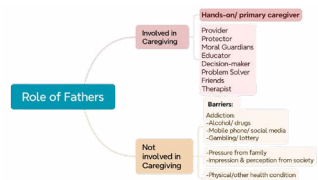
Positive Mindset & Value (HEAD)

Better Feeling (HEART)

- Self-perception (Respect & appreciation)
- Self-compassion (Quality time & Collaboration)
- Self-regulation (Emotional regulation & Rational expectation)

More Involvement (HAND)

- Spatial dimension (Time & opportunity)
- Relationship dimension (Trust & connection)
- Capability dimension (Knowledge & skills)



Recommendations Based on 3Hs Framework

PROGRAMS

- Well-being improvement programmes & activities
- Strengthening Family bonds program
- Capability training programmes for fathers
- Father's community of CWD
- Public awareness programmes
- Individualised services for CWD

POLICY

- Sufficient paternity leave and flexibility in the workplace
- More opportunities for remote working
- Disability-inclusive public services
- Inclusive education and integration with therapy
- Individualised opportunities for CWD

Conclusion

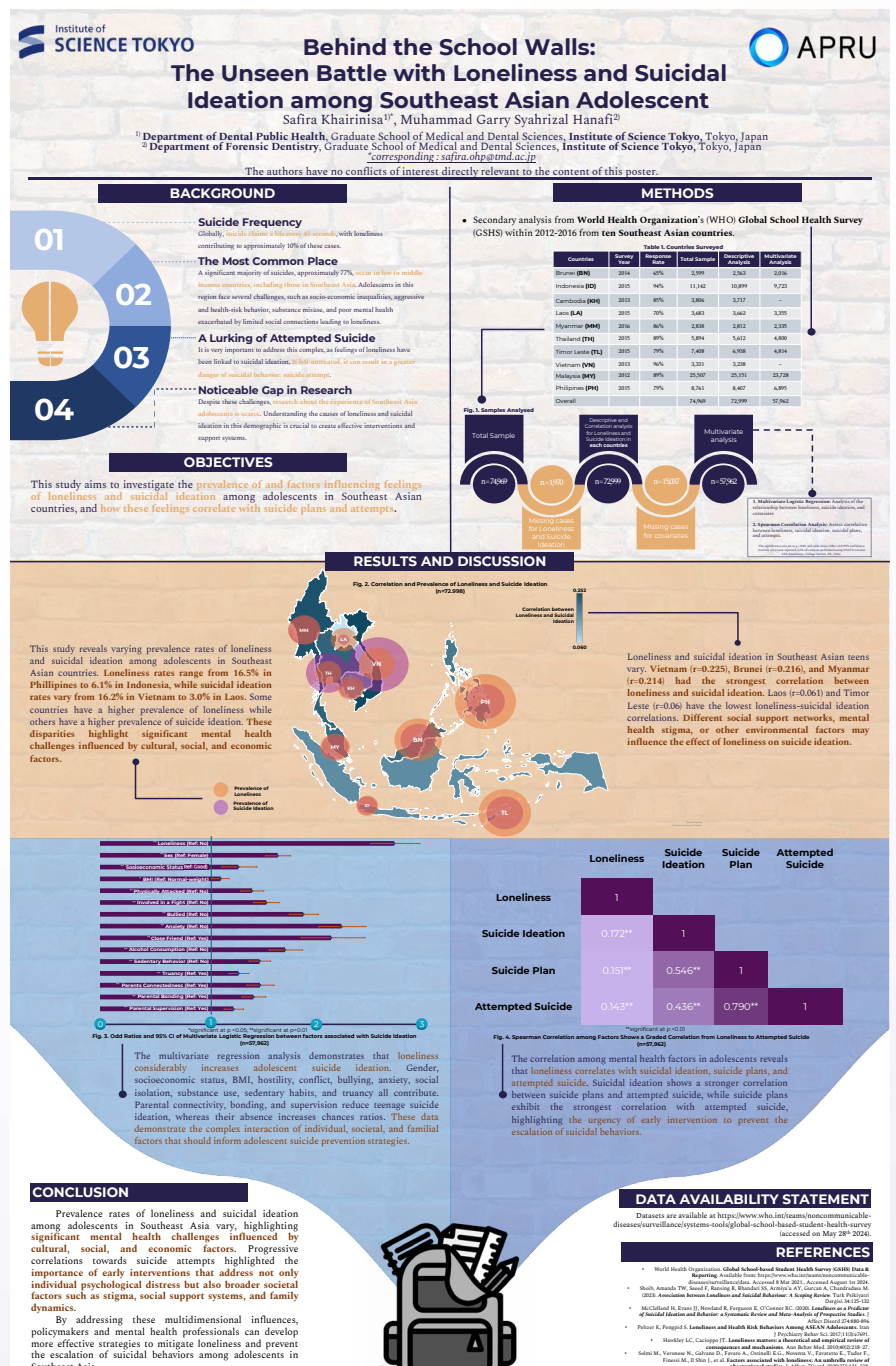
The diverse role of fathers depends on their mindset and emotions, in which they feel better and value the whole condition more, the more involved they are. External support is important to promote paternal involvement. Framework and comprehension of fathers' roles, impacts, and needs lead to some recommendations for caregiving practices, programmes, and policies.

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STUDENT POSTER CONTEST FINALIST

From Tokyo Medical and Dental University, **Safira Khairinisa**, et al. with the poster "Behind the school walls: the unseen battle with loneliness and suicide ideation among Southeast Asian adolescent"



VIRTUAL CASE COMPETITION FINALIST



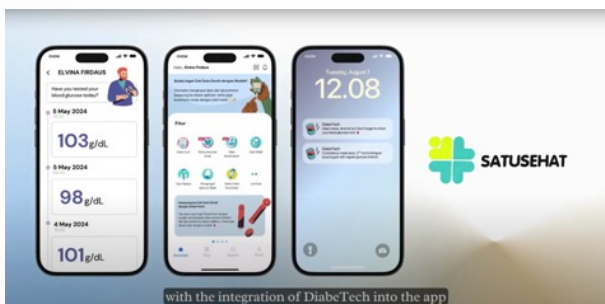
This year, we partnered with the United Nations Development Programme (UNDP), the Diabetes Association of Thailand and School of Global Health, Chulalongkorn University on the challenge theme **“Improving Diabetes Care Management through Technological Innovation.”** A total of 108 teams registered from 31 universities in 14 economies (Indonesia, Thailand, China, Canada, Chile, Japan, Hong Kong, Australia, the US, Philippines, New Zealand, Mexico, Ecuador, and Singapore).

Three Finalists (in no particular order):

Universitas Indonesia, [Sparkling!](#)

Chulalongkorn University/Mahidol University, [Betabusters](#)

Nanyang Technological University Singapore, [Diabacron](#)

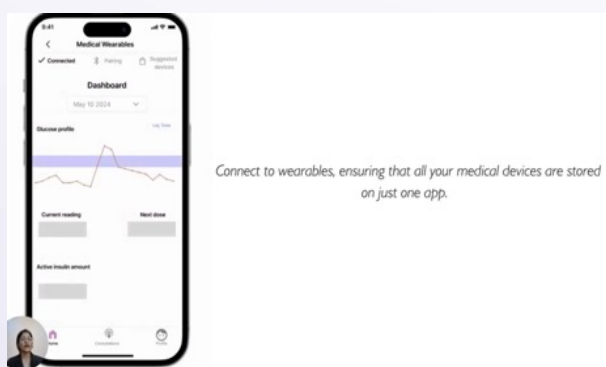
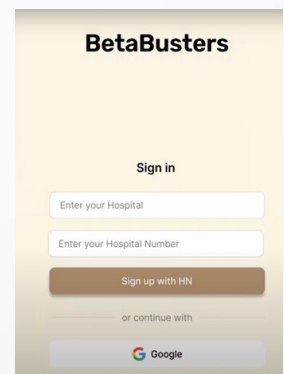


Team Sparkling with DiabeTech, an innovative solution that integrates a modified glucometer with the SatuSehat app. This system makes managing diabetes simple by automatically storing and analyzing your blood sugar readings, providing timely alerts, and ensuring proactive care. Join us in revolutionizing diabetes management and securing a healthier future for Indonesia!

Amanda Virginia Hapsari Ardhiawan, Elvina Firdaus, Harfianty Ramadhina Kurniawan, Larasati Tiara Rachim, Maudyza Nadinda Putri, Tiana Alisjahbana– Faculty of Medicine, Universitas Indonesia

Betabusters is a comprehensive diabetes management app that empowers users to adhere to their treatment plans with ease. From medication reminders to blood glucose monitoring, Betabusters offers a suite of features tailored to meet the unique needs of diabetic patients.

Malini Symsukpermpoon, Kraiwish Kaiyawong, Warattra Singkarin, Paticha Kosonboon, Tanakrit Tanasansakorn, Peramid Tansupasirivech – Faculty of Medicine Ramathibodi Hospital, Mahidol University and Faculty of Medicine, Chulalongkorn University, Thailand



Diabacron is a proposed healthcare app aimed at improving diabetes care accessibility in Indonesia, addressing issues like low diagnosis rates and treatment barriers due to geographic challenges. The app offers online consultations, a machine learning-driven risk assessment tool, and an in-app shop for medical supplies. With an initial investment of \$1 million and projected revenues of \$600,000 in the first year, Diabacron seeks to enhance diabetes management for the growing population at risk.

Neo Chephanie, Goh Yi Jing, Simran Sawant, Manivannan Mridini, Nayana Chandralal, Balasubramanian Riddhima– Nanyang Technological University, Singapore

157

International Programs

1,747

International Students

71

Countries and Territories

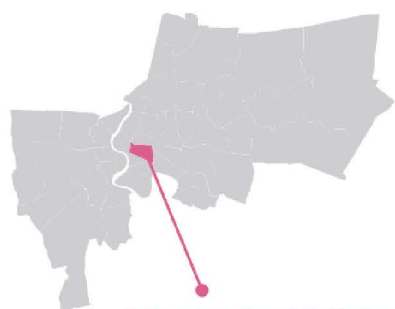
44

Countries of Chula Partner Universities

927

Active Academic and Student/Staff Exchange Agreements

As of March 2024



Pathumwan, Bangkok, Thailand

Chulalongkorn University

Thailand's first institution of higher education was founded in 1917 by King Vajiravudh to honor his father, King Chulalongkorn, whose reign marked the beginning of modern education in Thailand. Since its inception, Chulalongkorn University has maintained a reputation for the excellence of its academic standards.

Fee for International Students

	Fee/Year (USD)	Remark
Undergraduate (4 years)	8,000-12,000	39,000 (Faculty of Medicine)
Graduate (1-5 years)	6,000-17,000	23,000-62,000 (SASIN) 31,000 (Orthodontics)

Scholarships



Academic Calendar

Semester	Period
Fall	Aug – Dec
Spring	Jan – May
Summer	Jun – Jul

Trimester	Period
First Semester	Aug – Nov
Second Semester	Dec – Mar
Third Semester	Apr – Aug

Admissions

Undergraduate Programs

There are two admission rounds, Early Admission (Dec-Feb) and Regular Admission (Mar-May).



Graduate Programs

There are two admission rounds, Early Admission (Dec-Feb) and Regular Admission (Mar-May).



*subject to change depending on current circumstances.



OFFICE OF
INTERNATIONAL AFFAIRS
AND GLOBAL NETWORK
Chulalongkorn University

✉ int.off@chula.ac.th

☎ +66 2 218 3126

🌐 www.inter.chula.ac.th

18th Floor, Chaloem Rajakumari 60 Building
Phayathai Road, Pathumwan, Bangkok
10330, Thailand

📘 www.facebook.com/ChulaOIA

International Programs 2024

B Bachelor's Degree **G** Graduate Diploma
M Master's Degree **H** Higher Graduate Diploma
D Doctoral Degree

Academic Discipline: Arts & Humanities

Faculty of Arts

- Geography and Geoinformatics **D**
- Information Studies **M D**
- Thai Studies **M D**

Faculty of Fine and Applied Arts

- Curatorial Practice **M**

Academic Discipline: Social Science

Faculty of Economics

- Applied Economics **M**
- Business and Managerial Economics **M**
- Economics **D**

Faculty of Education

- Teaching English as a Foreign Language **M**
- Education System Management Leadership **D**

Faculty of Commerce and Accountancy

- Branding and Marketing **M**
- Business Administration (BBA) **B M D**
- Finance **M**
- Financial Engineering **M**
- International Business Management **M**

Faculty of Communication Arts

- Communication Management (BCM) **B**
- Strategic Communication Management **M**

Faculty of Law

- Business and Tech Laws (LLBel) **B**
- Business Laws **M**

Academic Discipline: Health Science

Faculty of Allied Health Science

- Clinical Biochemistry and Molecular Medicine **M D**
- Food and Nutrition **M D**
- Molecular Science of Medical Microbiology and Immunology **M D**

Faculty of Dentistry

- Dental Public Health **D H**
- Endodontics **H**
- Esthetic Restorative and Implant **M**
- Geriatric Dentistry and Special Patients Care **M**
- Operative Dentistry **M H**
- Oral and Maxillofacial Surgery **G H**
- Oral Biology **M**
- Oral Medicine **H**
- Oral Pathology **H**
- Orthodontics **H**
- Pediatric Dentistry **H**
- Periodontology **H**
- Prosthodontics **H**

Faculty of Medicine

- Clinical Sciences **M D**
- Doctoral of Medicine (CU-MED) **B**
- Health Development **M**
- Medical Physics **M D**
- Medicine Sciences **M D**

Faculty of Nursing

- Nursing Science **D**

Faculty of Pharmaceutical Sciences

- Industrial Pharmacy **M D**
- Pharmaceutical Care **M D**

Faculty of Pharmaceutical Sciences

- Pharmacology and Toxicology **M D**
- Pharmaceutical Sciences and Technology **M**
- Social and Administrative Pharmacy **M D**

Faculty of Psychology

- Social Psychology **M D**

Faculty of Sports Science

- Sports and Exercise Science **M D**

Faculty of Veterinary Science

- Veterinary Science and Technology **M D**

Academic Discipline: Physical Science

Faculty of Architecture

- Architectural Design (INDA) **B M**
- Communication Design (CommDe) **B**
- Urban Strategies **M**

Faculty of Engineering

- Aerospace Engineering (AERO) **B**
- Automotive Design and Manufacturing, and Elective Vehicle Engineering (ADME-V) **B**
- Civil Engineering **D**
- Chemical and Process Engineering (ChPE) **B**
- Chemical Engineering **D**
- Computer Engineering **M D**
- Electrical Engineering **D**
- Environment Engineering **M D**
- Georesources and Petroleum Engineering **M D**
- Information and Communication Engineering (ICE) **B**
- Mechanical Engineering **M D**
- Nano Engineering (NANO) **B**
- Nuclear Engineering **M D**
- Robotics and Artificial Intelligence Engineering (Robotics AI) **B**
- Semiconductor Engineering **B**
- Water Resources Engineering **M D**

Faculty of Science

- Applied Chemistry (BSAC) **B**
- Biotechnology (BBTech) **B**
- Chemistry **M**
- Computer Science and Information Technology **M D**
- Green Chemistry and Sustainability **M D**
- Industrial Science and Technology (BISTech) **B**
- Industrial Toxicology and Risk Management **M D**
- Petroleum Geoscience **M**

School/ Colleges

Chulalongkorn School of Integrated Innovation

- Integrated Innovation (BAScii) **B**

College of Population Studies

- Population Policy and Human Development **M**

College of Public Health Sciences

- Public Health **D**
- Public Health Sciences **M D**

Graduate School

- Bioinformatics and Computational Biology **D**
- Cultural Management **M**
- English as International Language **M D**

Graduate School

- Environment, Development and Sustainability **D**
- Hazardous Substance and Environmental Management **M D**
- Korean Studies **M**
- Logistics and Supply Chain Management **D**
- Medical Microbiology **D**
- Music Therapy **M**
- Nanoscience and Technology **M D**
- Southeast Asian Studies **M**

SASIN School of Management

- DBA **D**
- Executive MBA **M**
- Flexible MBA **M**

Joint Degree with International Partner University

Faculty of Dentistry

- Orthodontics **D**

Faculty of Engineering

- Railway Vehicles and Infrastructure Engineering **M**

Faculty of Medicine

- Biomedical Sciences and Biotechnology **D**

Faculty of Science

- Sustainable Materials and Technology for Industries **D**

Petroleum and Petrochemical College

- Petrochemical Technology **M D**
- Petroleum and Energy Technology **M**
- Polymer Science **M D**

Double Degree with International Partner University

College of Public Health Sciences

- Public Health **M**
- Environment, Development and Sustainability **M**

Faculty of Arts

- Language and Culture (BALAC) **B**

Faculty of Dentistry

- Oral Biology **D**

Faculty of Economics

- Economics **B**

Faculty of Engineering

- Civil Engineering **M**
- Chemical Engineering **M**
- Electrical Engineering **M**
- Engineering Management **M**

Faculty of Pharmaceutical Sciences

- Pharmaceutical Sciences and Technology **D**

Faculty of Political Science

- International Development Studies **M D**
- Politics and Global Studies (PGS) **B**

Faculty of Psychology

- Psychological Science (JIPP) **B**

Faculty of Science

- Applied Polymer and Textile Technology **M**
- Ceramic Technology **M**
- Chemistry **D**
- Food Science and Technology **M**
- Materials Science **D**
- Microbiology and Microbial Technology **M D**

A Flagship international program spearheaded by Chulalongkorn University



APRU SDG Education for Global Citizenship Program

(APRU SDG4GC) <https://apru-sdg4gc.chula.ac.th/>

In partnership with the United Nations

APRU SDG4GC is an intercultural, transdisciplinary, and interactive program initiated by Chulalongkorn University that fosters global citizenship among students from the research universities across the Pacific Rim (60 universities in 20 economies). Co-designed by six core-partner universities in collaboration with the UN, the program builds knowledge of global issues and global literacy among students.

APRU SDG4GC Project is a response to the global-level crises that have created numerous volatile uncertainties across the globe, challenging humanity in unprecedented ways. The program places critical importance in introducing locally embedded unique case studies among the network members to help students develop a broad array of perspectives and deepen understanding of the SDGs and emphasizes co-creation knowledge for sustainability via multi-stakeholder engagements, including UN linkages. Its design seeks to accelerate the development of the socio-emotional learning domain of Global Citizenship Education, that would support nurturing humanity and achieving peace for sustainable futures.



Unique approaches Create Impact



1. **Co-design and collaboration:** Harnesses unique resources of each partner and expands learning beyond students via pedagogy development
2. **Community engagement onsite:** Witnessing challenges and making connections
3. **Action-oriented learning:** Producing a social innovation project through mentorship and teamwork
4. **SDGs framework:** Creating a safe space to discuss/ reflect on societal issues
5. **UN partnership and experiences:** Resulting in formal sessions



SCHOOL OF GLOBAL HEALTH, FACULTY OF MEDICINE, CHULALONGKORN UNIVERSITY

The School of Global Health (SGH) was founded to unite healthcare professionals in addressing global health challenges. Recognizing the need for a strong network to protect vulnerable populations, SGH fosters global health security in response to cross-border health threats like COVID-19.

SGH leverages the strengths of the Faculty of Medicine, Chulalongkorn University (MDCU), and King Chulalongkorn Memorial Hospital (KCMH), collaborating with international institutions to advance research and capacity-building for innovative solutions.

Offering diverse short courses and postgraduate programs, SGH equips both degree and non-degree healthcare professionals with the skills needed to address today's global health threats.

Explore how SGH can enhance your ability to tackle global health challenges.

OUR VISION

We leverage our global platform to strengthen healthcare cooperations and shape the landscape of health sustainability while grooming future global health leaders and equipping them with skills to solve global health challenges.

With over 20 programs, including Master's, Ph.D., Residency, and Fellowship Training, explore the diverse offerings at the School of Global Health today.

ONLINE ACTIVE RECRUITMENT FOR INTERNATIONAL GRADUATE PROGRAMS

APPLICATION PERIOD: DECEMBER – APRIL

APPLICATION WEBSITE: <http://grad.md.chula.ac.th/activerecruitment/>

More Information:

School of Global Health, Faculty of Medicine, Chulalongkorn University

3rd floor, Ananda Mahidol Building, Henri Dunant Road, Pathumwan, Bangkok 10330

Phone: +66 2256 4475

Email: school.global.health@chula.md

<https://sgh.md.chula.ac.th/>



**SCHOOL OF
GLOBAL HEALTH**

Faculty of Medicine
Chulalongkorn University

APRU Global Health Conference 2025

Towards Planetary Health Equity: A Global Call for Shared Solutions

10 - 12 November 2025 | Universiti Malaya, Kuala Lumpur

We are excited to announce the APRU Global Health Conference 2025, taking place from 10-12 November 2025, hosted by Universiti Malaya in Kuala Lumpur, Malaysia.

The theme, "Towards Planetary Health Equity: A Global Call for Shared Solutions," underscores the urgent need for interdisciplinary, collaborative action to address the intertwined challenges of health, climate change, and social equity.

Join global experts and leaders to explore innovative solutions for a healthier, more equitable planet.

Save the dates and stay tuned for more details!



<https://spm.um.edu.my/apru2025>



APPENDIX



Welcome to Bangkok: A Guide for Conference Participants

As you prepare for your journey to the vibrant city of Bangkok for our upcoming conference, we aim to provide you with all the essential information for a smooth and enjoyable visit. This comprehensive guide covers practical details and fascinating places near our conference venue at Chulalongkorn Hospital and the Siam area.

The Venue: King Chulalongkorn Memorial Hospital

King Chulalongkorn Memorial Hospital, commonly known as Chulalongkorn Hospital, is one of Thailand's premier medical institutions. Founded in 1914, it operates under the Thai Red Cross Society and serves as a major centre for healthcare, medical research, and education. The hospital is closely affiliated with Chulalongkorn University, housing numerous specialized departments to offer comprehensive care for both local and international patients.

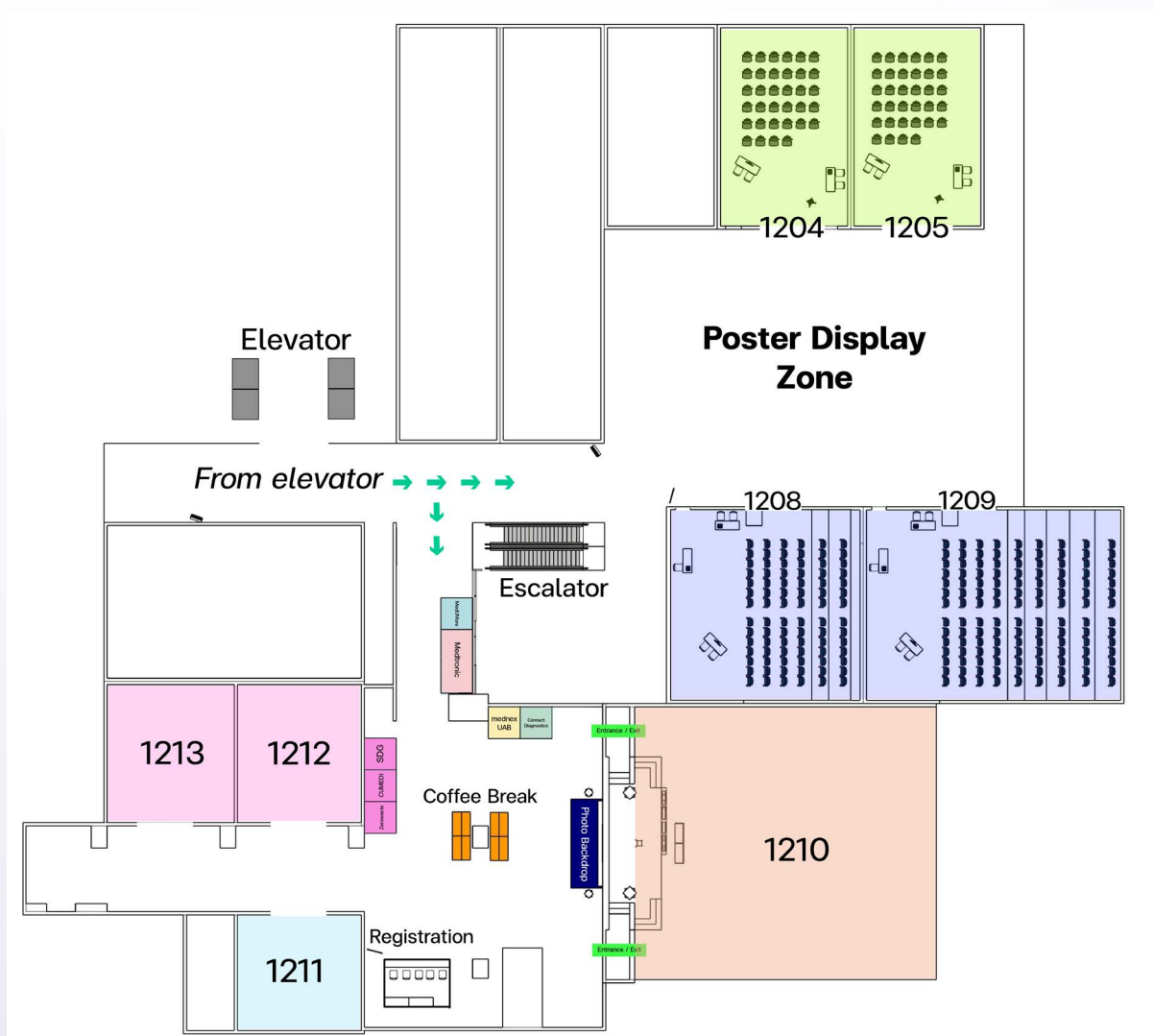
Conference Venue: Building Information and Access

The conference will be held on the 12th floor of the **Bhumisiri Mangkhalanusorn Building (Room 1210)**, located within the King Chulalongkorn Memorial Hospital.





APPENDIX



APPENDIX

Getting There:

By Taxi or Private Car: Visitors can enter through the main entrance on Henri Dunant Road. Simply inform your driver that you are heading to Chulalongkorn Hospital and specify the Bhumisiri Mangkhalanusorn Building.

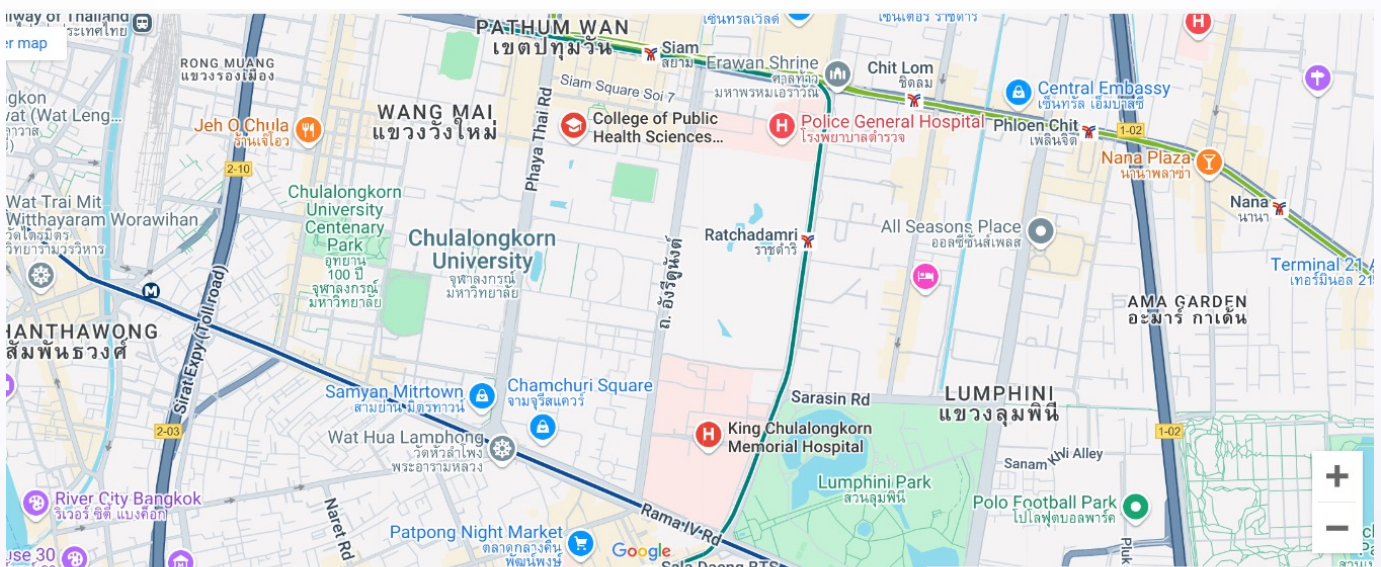
By BTS Skytrain or MRT: The nearest station is BTS Sala Daeng or MRT Silom. From this point, cross the bridge near Silom Edge Complex and enjoy a scenic 10-minute walk to the venue.

By Bus: Several public bus routes stop near the hospital, including routes 16, 21, 47, and 50.

Hospital Address:

King Chulalongkorn Memorial Hospital
1873 Rama IV Road, Pathumwan, Bangkok 10330, Thailand

Contact Number: +66 2 256 4000



Bangkok Weather: Embrace the Tropics

Bangkok is known for its warm tropical climate. Average temperatures hover around 30°C (86°F), but the experience can vary with the seasons. Our conference will take place during the cool season, the most pleasant time to visit, characterized by lower humidity and a refreshing breeze.

Getting Around: A City on the Move

Navigating Bangkok can be an exciting adventure. Here are your options for transportation:

- **BTS Skytrain & MRT Subway:** Fast, reliable, and efficient, these systems connect the Siam area and Chulalongkorn University. Payment can be made via cash or QR code using participating Thailand and overseas banks and e-wallets.
- **Taxis & Ride-Hailing:** Taxis are readily available, but traffic can be unpredictable. Consider using ride-hailing apps for convenience and transparent pricing.
- **Tuk-tuks:** For a unique experience, hop on a tuk-tuk! Just remember to negotiate the fare before starting your journey.

APPENDIX

- **Public Buses:** Buses range from non-air-conditioned to electric. Fares vary by distance, and it's advisable to travel with a local for easier communication with drivers.



Time Zone & Electric Sockets: Stay Connected
 Bangkok operates on Indochina Time (ICT), which is UTC+7. The electrical system uses 220V, 50Hz. Sockets typically accept Type A, B, and C plugs, so be sure to bring a universal adapter.

Cuisine: A Culinary Adventure

No trip to Thailand is complete without indulging in the local cuisine. Bangkok offers a rich tapestry of flavours, from street food to high-end dining:

- **Must-Try Dishes:** Don't miss out on Pad Thai, Tom Yum Goong (spicy shrimp soup), Som Tum (papaya salad), and Green Curry.
- **Street Food:** Explore the vibrant street food scene around Siam Square and Samyan. Treat yourself to local favourites like mango sticky rice and grilled skewers.
- **Dietary Options:** Vegetarian and vegan options abound, particularly in food courts and specialized restaurants. Always ask about ingredients, as Thai food can be spicy!

Explore the Area: Points of Interest Around Siam & Chulalongkorn Hospital

When you're not engaged in conference sessions, take some time to explore Bangkok's captivating mix of history, culture, and modernity:

- **Shopping and Entertainment:** The Siam area boasts sprawling malls featuring world-class shopping and dining, perfect for both designer labels and international cuisine.
- **Bangkok Art & Culture Centre (BACC):** Located near MBK, this vibrant hub hosts contemporary exhibitions, film screenings, and art workshops, making it a must-visit for art enthusiasts.
- **Lumphini Park:** Take a break from the city's hustle with a stroll or jog in Lumphini Park, just minutes from Chulalongkorn University.
- While in Bangkok, immerse yourself in the rich cultural heritage by visiting some of its **iconic temples** and sights. Including **Wat Pho**, home to the magnificent Reclining Buddha. Just a short distance away is the majestic **Grand Palace**, a former royal residence that dazzles visitors with its intricate details and vibrant colours. Don't miss Wat Phra Kaew, located within the palace grounds, which houses the revered Emerald Buddha, or for a more tranquil experience, head to **Wat Arun**, or the Temple of Dawn, situated along the Chao Phraya River. Its striking porcelain-encrusted spires provide a picturesque backdrop, especially during sunset.

APPENDIX



Practical Details: Currency, Language & Internet

- **Currency:** The Thai Baht (THB) is the official currency. ATMs are widespread, and credit cards are accepted in most places. As of October 2024, 1 US Dollar (USD) typically converts to approximately 35-36 THB. Always check current rates before travelling.
- **Language:** Thai is the official language, but English is commonly spoken in tourist areas, hotels, and restaurants. A friendly “Sawasdee” (Hello) is always appreciated!
- **Internet Access:** Prepaid SIM cards with data plans are available at both Suvarnabhumi and Don Mueang airports, providing excellent coverage throughout the city.

Cultural Tips: Etiquette & Local Customs

Thailand is known for its warm hospitality. Being mindful of local customs can enhance your experience:

- **Greeting:** The traditional wai (palms together with a slight bow) is a common gesture of respect. While not required, it’s appreciated.
- **Dress Code:** Casual attire is generally acceptable, but modest dress is recommended when visiting temples or official buildings.
- **Safety:** Bangkok is a relatively safe city. However, keep an eye on your belongings, especially in crowded areas.

Key Places Near Chulalongkorn Hospital and Essential Information

- **Pathumwan Police Station**
Phone: +66 2215 2991
Location: About 5 minutes from the hospital along Rama I Road.
Purpose: For legal assistance or to report lost items, this is the closest police station for tourists.
- **List of Hotels within 3 Kilometers of the Venue:**

Montien Hotel Surawong Bangkok	Mandarin Hotel Bangkok	Conrad Bangkok
Ibis Styles Bangkok Silom	Dusit Suites Hotel Ratchadamri	Cape House Langsuan Hotel
Mercure Bangkok Surawong	Le Siam Hotel Bangkok Silom	Novotel Bangkok Ploenchit
56 Surawong Hotel Bangkok	The Artino Hotel at Silom Bangkok	Pullman Bangkok Hotel G
Le Méridien Bangkok	Banyan Tree Bangkok	SO/ Bangkok
Crowne Plaza Bangkok Lumpini Park	The Sukhothai Bangkok	Passa Hotel Bangkok
Villa Deva Resort and Hotel	Grande Centre Point Phloen Chit	Silom Serene Bangkok
Amara Bangkok Hotel	Hotel Indigo Bangkok Wireless Rd	Holiday Inn Express Bangkok Sathorn



APPENDIX

Essential Emergency Numbers:

1. **Police:** 191
2. **Ambulance/Medical Emergency:** 1669
3. **Fire Department:** 199
4. **Tourist Police:** 1155
5. **Electricity Emergency:** 1130
6. **Water Supply Emergency:** 1125

• Immigration Rules

1. As you embark on your adventure to Thailand, it's important to be aware of the immigration rules that will facilitate your journey. For citizens of Southeast Asian countries, the welcome mat is particularly inviting. With a total of 93 countries enjoying the privilege, travelers can enter Thailand without a visa for stays of up to 60 days. Additionally, Visa on Arrival is available for citizens of 31 countries, allowing a generous stay of up to 60 days as well. For the latest details and official announcements, please refer to the Ministry of Foreign Affairs using this [link](#).

2. Cash Requirements

When entering Thailand, be prepared for possible random checks regarding your financial status. Travelers may be asked to show proof of sufficient funds, typically around 20,000 THB (approximately \$600) per person or 40,000 THB (approximately \$1,200) per family. If you're carrying more than 20,000 USD or its equivalent in other currencies, it's crucial to declare this amount upon entry.

3. Additional Notes

Keep in mind a few essential points for a smooth arrival. First, ensure that your passport is valid for at least six months from your arrival date. Also, immigration may request proof of onward travel, such as a return ticket, to confirm your plans beyond Thailand.

• Travel Health Regulation

Most COVID-19-related restrictions have been lifted, and no proof of vaccination is needed before travel to Thailand. However, to reduce the transmission of Mpox, it is important to provide a health declaration, particularly for those who have previously visited countries with mpox outbreaks. It is advisable to have comprehensive travel health insurance that covers medical treatment and emergencies during your stay.

We hope this guide has equipped you with the essential information to enhance your experience while attending the conference.

APRU Global Health Conference 2024

Harmonizing Human and Planetary Health Through Innovation, AI, and Digital Transformation

For more information, visit: www.aprughbkk2024.org

