

APRU Global Health Conference 2023

Equity in Health

October 25-27, 2023

**Campus Monterrey
Centro de Congresos
Sala 3**



APRU Global Health Conference 2023

Equity in Health

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Welcome Address by Chief Executive, APRU

On behalf of APRU, I welcome you to the 16th Annual APRU Global Health Conference.

We are a network of 60 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, promoting and protecting population health and overcoming shared health challenges.

This year's conference theme "Equity in Health" highlights fair opportunities for people to live a long, healthy life. According to the World Health Organization, health equity is determined by the conditions in which people are born, grow, and live, as well as biological determinants. The multidisciplinary nature of this theme is highlighted by the conference's subsidiary topics – health systems, migration, global surgery and indigenous health.

As the leading network of Asia-Pacific research universities, we at APRU recognize how urgent these challenges are within the macroregion in which we operate. It is therefore our responsibility to tackle these challenges by partnering with other international organizations, with the public and private sectors, and with other NGOs to jointly advance health solutions, policy development and public awareness.

We are very grateful to Tecnológico de Monterrey, and especially the organizing team at the School of Medicine and Health Sciences, for their commitment and hardwork in hosting this annual conference.

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

I wish you a very productive and successful conference.

Prof. Thomas Schneider

Chief Executive, APRU



Thomas Schneider is the current Secretary General / Executive Director for the Association of Pacific Rim Universities (APRU) as well as Professor of Egyptology at the University of British Columbia, Canada and Executive Director of the Pacific Alliance of Liberal Arts College (PALAC). 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; 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 has 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 by Tecnológico de Monterrey - School of Medicine and Health Science

It is my great pleasure to welcome you to the 16th Annual APRU Global Health Conference 2023 in Mexico City, Mexico. This conference is organized by Tecnológico de Monterrey through the School of Medicine and Health Sciences, in collaboration with the Association of Pacific Rim Universities (APRU) Global Health Program Hub. The School of Medicine and Health Sciences is the only private school of medicine in Mexico recognized in the QS World University Ranking by subject - Medicine. Two international entities, Saludiaro and World Scholarship Forum, have placed Tec's School of Medicine and Health Sciences among the five best institutions to study medicine.

According to the WHO (2023), health equity is achieved when everyone can attain their full potential for health and well-being. Social determinants of health are the circumstances in which people are born, grow up, live, work, and age, and the systems put in place to deal with illness. These circumstances are in turn shaped by a wider set of forces: economics, social policies, and politics.

To the organizing and scientific committee members, my sincerest appreciation and gratitude for their efforts in ensuring the success of this conference. We are certain that this conference will be a big success, and we wish you all an enjoyable and productive conference. Thank you to everyone for participating in this event.

Dr. Luis Alonso Herrera Montalvo,
Dean of the School of Medicine
and Health Sciences



Since 2019 and until recent days, Luis Herrera was General Director of the National Institute of Genomic Medicine of the Ministry of Health. His research has focused on the area of carcinogenesis; mainly on the relationship of chromosomal instability and different tumors affecting humans. Since 2001, he has been a researcher at the Institute of Biomedical Research of the UNAM. In 2003, he joined the National Cancer Institute (INCan) as Deputy Director of Basic Research, where his work in the consolidation of research policies stands out. Subsequently, for 10 years he was in charge of the Research Direction of INCan, from where he managed the Hereditary Cancer Clinic, the Prevention Research Center, as well as the Prevention Clinics in Tlaxcala, Monterrey and Puebla.

He founded and coordinated the installation, development and operation of the Mexican College for Cancer Research. He has been a professor in the PhD programs in Biomedical Sciences; Master's and PhD in Medical, Dental and Health Sciences, as well as in the Schools of Science and Medicine of the UNAM.

He holds a Doctorate in Biomedical Sciences from the Universidad Nacional Autónoma de México and is a Biologist from the same university.

He completed a post doctorate at the Department of Infectious Diseases of the School of Medicine, Stanford University, USA. Among the distinctions he has been awarded are: the National University Distinction for Young University Students in the area of Research in Natural Sciences, the "Alfonso Caso" Medal, and recognition as a Level III National Researcher. He is a member of the Mexican Academy of Sciences, Full Member of the National Academy of Medicine, Member of the American Association for Cancer Research and the American Society of Clinical Oncology.

Welcome Address by Global Health Programme Director, APRU

Bienvenidos a México and to the 16th annual APRU Global Health Conference! This is an exciting event because it is the first time that our conference is being held in Latin America. As Director of the APRU Global Health Program, I would like to say how wonderful it is to have so many global health experts joining us here this week to exchange ideas and inspire others around the health inequities that plague our global community.

This year's theme is health equity. Health equity means that everyone has the ability to achieve the highest possible level of health and well-being, no matter where they are. This requires recognizing and addressing the vulnerabilities and inequities in our societies that contribute to unfair and avoidable differences in health status across populations. Over the next few days, we will hear from experts on a range of topics, including migration, health systems, indigenous health, and many more.

I hope that this conference challenges and inspires us to do more to advance health equity around the world. Our collective work in global health research, practice, and education can promote values of mutual respect and cooperation. Achieving health equity will require that we all use our knowledge, skills, and assets to take action.

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

Thank you once again and I wish you an enjoyable conference.

Best wishes,
Mellissa Withers

Prof. Mellissa Withers,

Global Health Programme Director, APRU



Mellissa Withers is Associate Professor at the University of Southern California Keck School of Medicine in the Department of Population and Public Health Sciences. Her primary research interests lie in community participatory research, mental health, gender-based violence, and global sexual and reproductive health.

She teaches classes for undergraduate and graduate students, including introduction to global health, global health ethics, global health leadership, and case studies in global health. Dr Withers earned a PhD from the Department of Community Health Sciences at the UCLA Fielding School of Public Health with a minor in cultural anthropology. She also holds 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*.

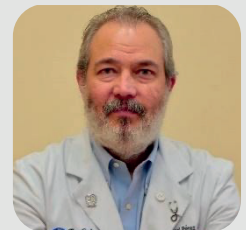
She has also published more than 70 scientific articles and serves on the editorial boards of six international global health journals.

Welcome Address by Chair of Local Organising Committee

On behalf of the organizing committee, it gives me great pleasure to welcome you to the 16th APRU Global Health Conference 2023 in Mexico City, Mexico. This conference will focus on Global Health with a theme of “Equity in Health”.

This conference brings together an estimated 250 professionals. The conference will take place in a truly global spirit, since we are joined by 34 economies from all parts of the world that will provide rich and valuable discussions spanning the three days of the event. The organizing and scientific committees have worked diligently to ensure a successful conference of high quality. The program features many renowned speakers with diverse global and public health expertise. We truly believe you will enjoy this great event.

Dr. Manuel Pérez Jiménez,
Regional Dean (Monterrey & North)
School of Medicine and
Health Sciences

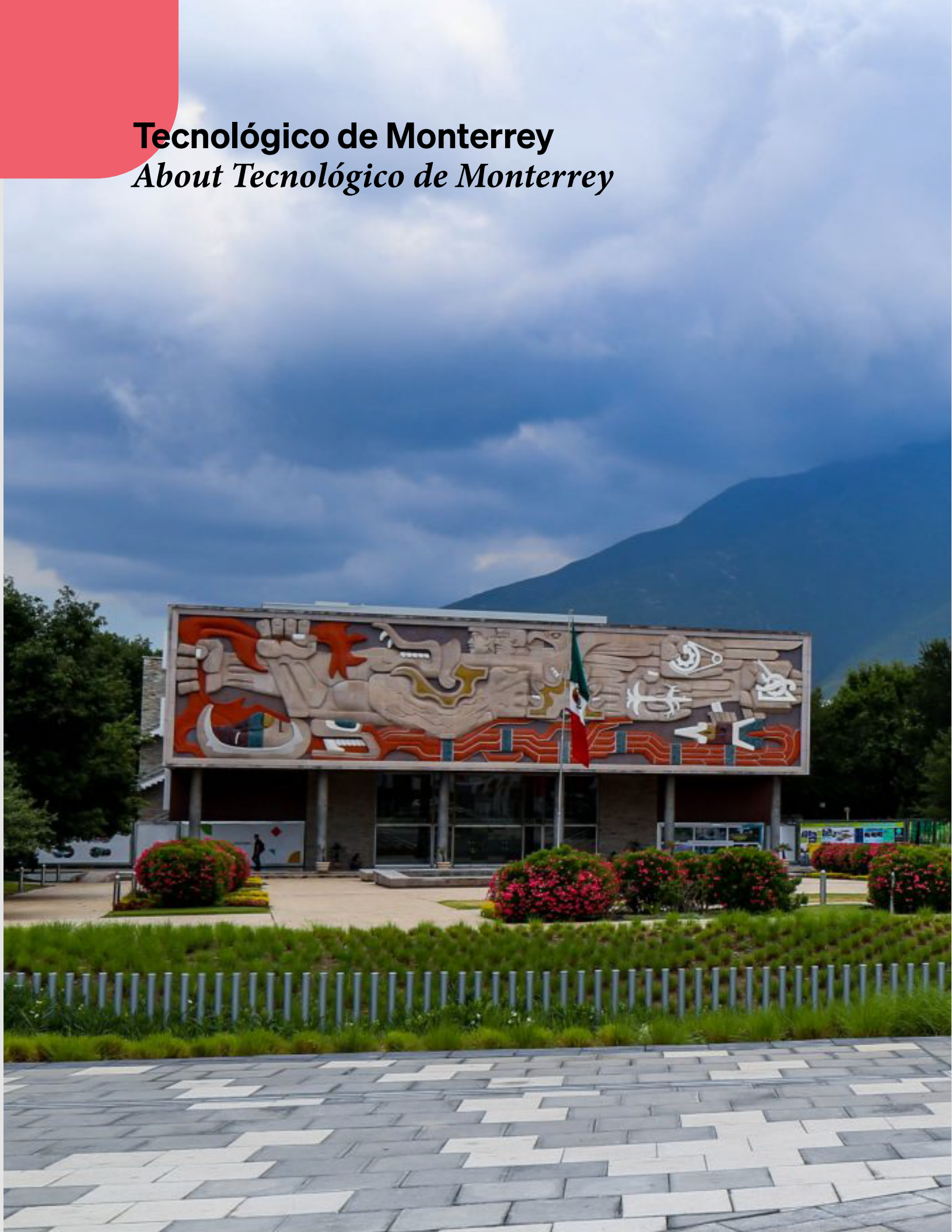


Manuel Perez Jiménez is Dean of Medicine and Health Sciences for the North Region at Tecnológico de Monterrey, School of Medicine since 2017. He is currently Chairman of Medicine at U21 Health Sciences Group since January 2019. Between September 2010 and September 2013 he was Chairman of the Strategic 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, an 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.

Tecnológico de Monterrey

About Tecnológico de Monterrey



Tecnológico de Monterrey (<http://www.tec.mx>) is a private nonprofit multi-campus university. 2023 marks the 80th anniversary of its founding in 1943; for eight decades it has distinguished itself globally for its academic excellence, innovation in education, entrepreneurship, and global vision, along with its deep engagement with industry and employers, and its high execution capability. With a presence across 28 cities in Mexico, the institution has more than 67,000 enrolled undergraduate and graduate students, almost 7,000 faculty members, and more than 26,000 high school students served by 2,500 professors.

The institution has been accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACSCOC) since 1950. According to the QS World University Rankings (2023), Tecnológico de Monterrey ranks 170th globally and among the top 30 private universities worldwide. The QS Graduate Employability Rankings (2022) places the institution 1st in Latin America and 26th globally for Employer Reputation. The Times Higher Education Latin America University Rankings (2022) ranks the institution 1st in Mexico and 5th in Latin America. Tecnológico de Monterrey is the only university outside the USA included in The Princeton Review & Entrepreneur magazine ranking of Top Schools for Entrepreneurship Studies (2023), placing 4th for undergraduate entrepreneurship programs. Tecnológico de Monterrey belongs to several prestigious global networks including, the Association of Pacific Rim Universities (APRU), Universitas 21 (U21), and The Worldwide Universities Network (WUN).

School of Medicine and Health Sciences

About the School of Medicine and Health Sciences



The School of Medicine and Health Sciences of Tecnológico de Monterrey (SMHS) is a private educational institution founded in 1978, it has 5 undergraduate programs, as well as 17 medical specialties of its multicenter program, 2 doctorates (Clinical Sciences and Biomedical Sciences), 1 master's degree in Clinical Sciences and 35 highly specialized courses. The School also has 6 Research Groups.

The SMHS (<https://www.tecsalud.mx/escuelademedicina>) has 65 professors associated to the National Research System (SNI), 1,690 publications from 2019 - 2023, and 2,334 students who participate in research. It is an integral part of the Tecnológico de Monterrey Health System called TecSalud, which includes the Hospital San José, the Hospital Zambrano Hellion and the TecSalud Foundation; It is also part of the strategic alliance with the public hospitals of the Secretary of Health of Nuevo León, Mexico.

About APRU

As a network of leading universities linking the Americas, Asia, and Australasia, APRU (the Association of Pacific Rim Universities) brings together thought leaders, researchers, and policy-makers to exchange ideas and collaborate on practical solutions to the challenges of the 21st century.

We leverage our members' collective education and research capabilities into the international public policy process. In the post-pandemic era, our strategic priorities focus on:

1

providing a neutral platform for high-level policy dialogue;

2

exploring innovative solutions for a sustainable future;

3

supporting diversity, inclusion, and minorities.

About the 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:

<https://apru.org/>

We also invite you to follow APRU on social media:

twitter.com/apru1997 (@apru1997)

[instagram.com/apru1997](https://www.instagram.com/apru1997) (@apru1997)

[linkedin.com/company/apru1997](https://www.linkedin.com/company/apru1997) (@APRU)

[facebook.com/apru1997](https://www.facebook.com/apru1997) (@APRU - Association of Pacific Rim Universities)

Advisory Group 2023



Sofia Gruskin
University of Southern California



Mellissa Withers
(Director),
University of Southern California



Christina Schönleber
APRU



Erlinda Castro-Palaganas
University of the Philippines Baguio



King L Chow
Hong Kong University of Science and Technology



Budi Haryanto
Universitas Indonesia



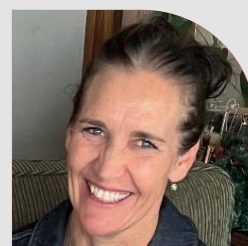
Masamine Jimba
University of Tokyo



Taninee Sahakitrungruang
Chulalongkorn University



Mu Li
University of Sydney



Judith McCool
University of Auckland



Juhwan Oh
Seoul National University



Manuel Perez Jimenez
Tecnológico de Monterrey



Sanjay Rampal
University of Malaya



Martin CS Wong
Chinese University of Hong Kong



PinPin Zheng
Fudan University

Research Working Groups - *CHAIRS*

Bioethics

Leander Penaso Marquez,

University of the Philippines Diliman

María de Jesús

Medina-Arellano,

National Autonomous University of
Mexico (UNAM).

Alexander Atrio L. Lopez,

University of the Philippines Diliman

Mental Health

Dr. Shaohua Hu,

Zhejiang University School of Medicine.

Non-Communicable Diseases

Martin Wong,

Chinese University of Hong Kong
(CUHK)

Edmar San Jose Elcarte,

Lady of Fatima University.

Humanitarian Emergencies and Health

Dr. Ann Toh,

National University of Singapore

Global Health Education and Technology

Catherine Zhou,

Hong Kong University of Science and
Technology (HKUST)

*Please visit aprugh23.com for
more information.*



Organising & Scientific Committees

Local Organising Committee 2023 from the School of Medicine and Health Sciences Tecnológico de Monterrey

Conference Chair:

Manuel Pérez Jiménez,

Regional Dean (Monterrey & North),

School of Medicine and Health Sciences, Tecnológico de Monterrey

Deputy Co-Chair:

Andrea Reyes Gutiérrez,

Strategic Leader - Global Health and Equity Initiative

Faculty Professor - Anesthesiology Residency Program

Scientific Session Programming Lead:

Karla Patricia Pacheco Alvarado,

Postgraduate Professor, School of Medicine and Health Sciences

Abstract Reviewing Panel Leads:

Andrea Reyes Gutiérrez,

Medical Specialties Professor, School of Medicine and Health Sciences

Julián Romero Mónico,

Integrated Evaluation Analysis Leader

Logistics Leads:

Verónica Fernández Castro,

Director of Internationalization

Sofía Victoria Ramírez Sandoval,

Internationalization Specialist

Laura Jael del Carmen Ortiz López,

Director of the Regional Department of Basic Sciences, School of Medicine and Health Sciences

Communications Lead:

Evelyn Zamora Lara,

Communications Coordinator

Scientific Committee 2023

Professor Mellissa Withers

Global Health Programme Director, Association of Pacific Rim Universities (APRU)
Associate 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)

Please visit aprugh23.com for more information.

Programme

Wednesday, October 25th, 2023

9:00 - 9:40	<p>Opening Ceremony</p> <p>Host presentation José Manuel Paéz Borrallo, Vice-Rector for International Affairs, Tecnológico de Monterrey</p> <p>Welcome from Tecnológico de Monterrey Rashid Abella Yunes, Vice-President Mexico City Region, Tecnológico de Monterrey</p> <p>Welcome from Tecnológico de Monterrey Luis Herrera Montalvo, Dean of the School of Medicine and Health Sciences, Tecnológico de Monterrey</p> <p>Welcome from APRU Christina Schönleber, Chief Strategy Officer, APRU</p> <p>Presentation of Global Health Program Mellissa Withers, Director of the APRU Global Health Program</p> <p>Opening message José Guillermo Domínguez Cherit, Dean of the Mexico City Region, Tecnológico de Monterrey</p> <p>Opening message Manuel Pérez Jiménez, Conference Chair, Regional Dean (Monterrey & North), School of Medicine and Health Sciences, Tecnológico de Monterrey</p>
9:40 - 10:10	<p>Keynote Address 1 - Global Health and Epidemiology: What have we learned and what will the future bring?</p> <p>Jonathan Samet, Dean of the Colorado School of Public Health</p>
10:10 - 10:30	Break
10:30 - 11:15	<p>Keynote Address 2 - Reimagining Health Equity: A Critical Examination to Forge a Path Forward</p> <p>Héctor Carrasco Magallanes, Health Equity Director of the Family Health and Wellness Division at the Tennessee Department of Health</p>
11:15 - 11:30	Break
11:30 - 12:15	<p>Keynote Address 3 - Promoting Health Equity for Migrants in the Americas</p> <p>Jean François Aguilera, International Organization for Migration, Migration and Health Officer for the Americas</p>
12:15 - 13:00	<p>Case Competition - Bridging Barriers to Care: Reaching Urban Migrant Communities</p> <p>Mellissa Withers, Director of the APRU Global Health Program</p> <ul style="list-style-type: none">• Video 1: Hello Hong Kong, Chinese University of Hong Kong• Video 2: Health Defenders, Sun Yat-Sen University• Video 3: Eblouissant, Simon Fraser University
13:00 - 14:00	Lunch Break
14:00 - 15:30	CONCURRENT PANELS A

Panel A.1	<p>Health Systems Moderator: Brooke Edwards, University of Southern California</p> <ul style="list-style-type: none"> • <i>Community Care as a Way of Life: Understanding and Evaluating the Impacts of Mutual Aid on Quality of Life and Ways to Implement this Framework in the US</i> Mira Gupta, University of California • <i>Barriers to Access and Healthcare Service Utilization for International Students in China: A Cross-sectional Study</i> Priscilla Adomako Gyasi, Jiangu University • <i>MyWrightNeeds: delivering accessible and culturally-sensitive healthcare to migrant workers in Singapore</i> Lauren Lee, University of Southern California • <i>Understanding drowning and water safety interventions in Uganda: Results of a youth-led community health assessment in rural lakeside communities</i> Kyra Guy, University of Southern California • <i>An analysis of the retention rate and return-service compliance of University of the Philippines Manila – School of Health Sciences medical graduates</i> Filedito Tandinco, University of the Philippines Manila
Panel A.2	<p>Non-Communicable Disease Moderator: Sebastián Rodríguez, Tecnológico de Monterrey</p> <ul style="list-style-type: none"> • <i>Association between sleep quality and non-communicable disease in Mexico: a national representative cross-sectional study</i> Paola Castellanos Torres, Tecnológico de Monterrey • <i>Validation of an Air Quality Index for Vulnerable Population for an Air Risk Application</i> Angel Abel Reyna Schaufelberger, Tecnológico de Monterrey • <i>Perception and role of physicians in the midst of the air quality crisis in Nuevo Leon, Mexico</i> Pilar González-Amarante, Tecnológico de Monterrey
Panel A.3	<p>Maternal Health Moderator: Jude McCool, Auckland University</p> <ul style="list-style-type: none"> • <i>The impact of availability and readiness of malaria services on uptake of intermittent preventive treatment in pregnancy provided during antenatal care visits in six sub-Saharan countries</i> Di Liang, Fudan University • <i>Successful twin pregnancy in rural Chiapas: providing quality care and comprehensive support to overcome barriers in health access</i> María Cristina Alarcon Rebollar, Compañeros En Salud • <i>Exclusive Breastfeeding: Regarding a Medical-Legal Case</i> Narda Castellanos Joo, Tecnológico de Monterrey
17:00 - 19:00	Welcome Cocktail

Thursday, October 26th, 2023

9:00 - 9:45	<p>Keynote Address 4 - Global Surgery and Universal Health Coverage: The Way Forward Ruben Ayala, Operation Smile's Chief Of Policy And Advocacy</p>
9:45 - 10:00	Break
10:00 - 10:45	<p>Keynote Address 5 - Health Systems Mauricio Hernández Ávila, Director Of Economic And Social Benefits, Mexican Social Security Institute</p>
10:45 - 12:15	CONCURRENT PANELS B

<p>Panel B.1</p>	<p>Health Systems Moderator: Daniel Bernal, Tecnológico de Monterrey</p> <ul style="list-style-type: none"> ● <i>Towards a decolonial praxis: Reimagining WHO health systems framework</i> Ans Irfan, Keck School of Medicine, University of Southern California; Harvard University ● <i>Impact and approach for drug shortages on patient care: a case report of Finasteride unavailability for benign prostatic hyperplasia in a public hospital</i> Angel Alejandro Cabrera Maya, Tecnológico de Monterrey ● <i>A Systematic Review of the Relationship between Medication Non-adherence and the Economic Burden of TB Treatment in LMICs</i> Quanfang (Tiffany) Dong, University of Toronto
<p>Panel B.2</p>	<p>Conflict Zones Moderator: Maria Paredes, University of Southern California</p> <ul style="list-style-type: none"> ● <i>Adolescent mental health in post-conflict communities: Results from a cross-sectional survey in Northern Uganda</i> Kyra Guy, University of Southern California ● <i>Implementation of Group Problem Management Plus among displaced women in Colombia: a qualitative examination of a community-delivered mental health intervention</i> Alesha (Alejandra) Cid-Vega, Trauma and Global Mental Health Lab, The New School for Social Research ● <i>“COVID-19 is just another way to die...”: a qualitative longitudinal study of frontline COVID-19 response governance across Syria</i> Natasha Howard, National University of Singapore
<p>Panel B.3</p>	<p>COVID-19 Moderator: Michael Cousineau, University of Southern California</p> <ul style="list-style-type: none"> ● <i>Exploring factors influencing Covid-19 vaccine delivery in the Philippines from an equity lens: a qualitative study</i> Quanfang (Tiffany) Dong ● <i>Associations between NCDs and COVID-19 related experience, behaviours, and mental health: a global study</i> Jason Junjie Huang, The Chinese University of Hong Kong ● <i>Case-series of passenger death on board before arrival at Suvarnabhumi International Airport, Thailand during January - December 2022</i> Rome Buathong, Department of Disease Control, Ministry of Public Health Thailand
<p>12:15 - 13:30</p>	<p>Lunch break and official photo</p>
<p>13:30 - 15:00</p>	<p>CONCURRENT PANELS C</p>
<p>Panel C.1</p>	<p>E-Health Moderator: Alejandra Almeida, Tecnológico de Monterrey</p> <ul style="list-style-type: none"> ● <i>Village- Tele-Mobile Based Rehabilitation Program -Access to early intervention therapy for children with disabilities</i> Ronald Waiswa Mironde, Makerere University ● <i>Addressing Adulthood Obesity with E-Health: An International and Interdisciplinary COIL project</i> Rebeca Leyva Rico, Tecnológico de Monterrey ● <i>Leveraging Digital Education and Training to Promote Health Equity: Opportunities and Challenges</i> Zakaria A. Almsharqi, National University of Singapore ● <i>Perspectives of Japanese elders and their healthcare providers on use of wearable technology to monitor their health at home</i> Adey Nyamathi, University of California ● <i>Diagnostic advances in Tegumentary Leishmaniasis. Scoping review since</i>

	<p>2018 to 2023 Victoria de los Ángeles Palma Bastidas, Universidad San Francisco de Quito</p>
<p>Panel C.2</p>	<p>Cancer Moderator: Clare Kanchana & Elizabeth Nguyen, University of Southern California</p> <ul style="list-style-type: none"> • <i>Latitude Zero Skin Cancer Outreach Pilot Project: a collaborative model for enhancing skin cancer attention in a rural community</i> Iván Tomas Palacios León, Universidad San Francisco de Quito • <i>The disease burden, risk factors and temporal trends in breast cancer in low- and middle-income countries: a global study</i> Jason Junjie Huang, The Chinese University of Hong Kong • <i>Distributions, risk factors and epidemiological trends of pancreatic cancer in low- and middle-income countries: a comprehensive analysis</i> Jason Junjie Huang, The Chinese University of Hong Kong • <i>Prediction algorithm for gastric cancer in a general population: a validation Study</i> Martin Wong, The Chinese University of Hong Kong
<p>Panel C.3</p>	<p>Women Health Moderator: Aleena Khan, University of Southern California</p> <ul style="list-style-type: none"> • <i>Red blood cell folate insufficiency among non-pregnant women of childbearing age in Belize: Prevalence and predicted risk (PR) of neural tube defects (NTD)</i> Jorge Rosenthal, Atlanta, GA • <i>Community study of reproductive tract infection among females of reproductive age group living in subdivided-flats in Hong Kong</i> Wong Lok Tung, The Chinese University of Hong Kong • <i>Applying a social determinants model of health to a needs assessment for migrant transgender female sex workers in Hong Kong: needs identified, lessons learned, and recommendations for program implementation</i> Adary Zhang, The Chinese University of Hong Kong
<p>15:00 - 15:15</p>	<p>Break</p>
<p>15:15 - 16:45</p>	<p>Working Group Meetings</p> <ul style="list-style-type: none"> • Non-Communicable Diseases: <i>Workshop for APRU Cancer Screening Recommendations Paper</i> Martin Wong (CUHK), Jason Junjie Huang (CUHK) • Mental Health: <i>Mental health challenges in today's world</i> Judith McCool (Auckland) • GH Education and Technology: <i>Decolonizing the Global Health Classroom</i> Mellissa Withers (USC), Heather Wipfli (USC) • Bioethics: <i>Exploring the ethical issues of COVID-19 in the workplace</i> Maria de Jesus Medina Arellano (UNAM)

Friday, October 27th, 2023

9:00 - 9:45	Keynote Address 6 - Looking Back to Move Forward: Lessons from Aotearoa New Zealand Matire Harwood, University of Auckland
9:45 - 10:00	Break
10:00 - 11:00	Plenary Session - Equity Moderator: Ximena Garzón, Universidad San Francisco de Quito <i>Addressing equity challenges within the One Health framework: preliminary results from a quest for a holistic and pragmatic approach</i> Jonathan Guillemot, Universidad San Francisco de Quito <i>Accessing health services in Mexico for refugee persons: challenges and opportunities</i> Rosa Elizabeth García Ita, National Community Protection Officer, United Nations High Commissioner for Refugees
11:00 - 11:15	Break
11:15 - 12:45	CONCURRENT PANELS D
Panel D.1	Global Surgery Moderator: Hugo Flores, Tecnológico de Monterrey <ul style="list-style-type: none"> <i>Geospatial mapping of two-hour access to timely essential surgery in the Philippines</i> Meghan Lim Xuxin, Harvard University <i>Geospatial mapping of two-hour access to essential surgery in Cambodia</i> Meghan Lim Xuxin, Harvard University <i>An implementation proposal of virtual reality for reducing barriers to surgical procedures in Mexico: A systematic review</i> Frida V. Leos-Alvidrez, Tecnológico de Monterrey <i>Assessing burden of surgical disease in Cambodia</i> Ma Wai Wai Zaw, National University of Singapore; Singapore General Hospital <i>Education For All: Enhancing High-Quality Laparoscopic Surgery Training for Surgeons in Remote Communities of Ecuador</i> Andrés David Oquendo Carrera, Universidad San Francisco de Quito
Panel D.2	Mental Health Moderator: Mercedes Aguerrebere Gómez Urquiza, Tecnológico de Monterrey <ul style="list-style-type: none"> <i>Major Depressive Disorder and Its Risk Factors in Low- and Middle-Income countries</i> Jason Junjie Huang, The Chinese University of Hong Kong <i>Disease burden, and temporal trends in schizophrenia in low- and middle-income countries: a global analysis from 1990 to 2019</i> Jason Junjie Huang, The Chinese University of Hong Kong <i>Perinatal depression screening in Sub-Saharan Africa and Southeast Asia: a systematic review</i> Brittany Blevins, University of Southern California
Panel D.3	Child Health Moderator: Kyra Guy, University of Southern California <ul style="list-style-type: none"> <i>Disparities in healthcare: Spanish-speakers at a pediatric clinic in Houston, Texas</i> Xiomara Hinojosa Barrera, Tecnológico de Monterrey <i>Prevalence of neural tube defects in Latin America and the impact of fortification</i> Jorge Rosenthal, Atlanta, GA <i>Prevalence and Risk Factors for Overweight among Chinese Adolescents</i> Martin Wong, The Chinese University of Hong Kong
12:45 - 13:00	Break

13:00 - 13:45	Closing Talk - Equity In Health: We all deserve to live in a clean environment Ximena Garzón Villalba, Universidad San Francisco de Quito
13:45 - 14:30	Closing Ceremony Awards Ceremony, Mellissa Withers, Director of the APRU Global Health Program Closing message, Christina Schönleber, Chief Strategy Officer, APRU Closing message, Manuel Pérez Jiménez, Conference Chair, Regional Dean (Monterrey & North), School of Medicine and Health Sciences, Tecnológico de Monterrey
15:30 - 19:30	Cultural Activity (Optional) Mexico City Tour Bus and Museum Visit

Speakers

Keynote Address 1

Global Health and Epidemiology: What have we learned and what will the future bring?

Jonathan Samet, Dean of the Colorado School of Public Health



Dr. Jonathan Samet, a pulmonary physician and epidemiologist, is a Professor of Epidemiology and Environmental and Occupational Health at the Colorado School of Public Health. His research has focused on the health risks of inhaled outdoor pollutants and indoor pollutants including secondhand smoke and radon. He has investigated the occurrence and causes of cancer and respiratory diseases, emphasizing the risks of active and passive smoking. He has served on and chaired numerous committees of the National Research Council and National Academy of Medicine, including chairing the Board on Environmental Studies and Toxicology and the Respiratory Protection for the Public and Workers Without Respiratory Protection Programs at their Workplaces committee. He serves on the Gulf Research Board. For several decades, he has been involved in global health, focusing on tobacco control, air pollution, and chronic disease prevention. He has been chair of the EPA's Clean Air Scientific Advisory Committee and the FDA's Tobacco Products Scientific Advisory Committee. Dr. Samet has served as Editor and Author for Reports of the Surgeon General on Smoking and Health since 1984, receiving the Surgeon General's Medallion in 1990 and 2006 for these contributions. Dr. Samet received the 2004 Prince Mahidol Award for Global Health awarded by the King of Thailand, the Edward Livingston Trudeau Medal from the American Thoracic Society/American Lung Association, the Luther Terry Award for Distinguished Career from the American Cancer Society, and the Fries Prize for Health. He received the Alumni Award of Merit from the Harvard School of Public Health in 2001 and was named Distinguished Alumnus of the Year by the University of Rochester School of Medicine and Dentistry in 2006. He was elected to the National Academy of Medicine in 1997 and received the David Rall Medal in 2015.

Keynote Address 2

Reimagining Health Equity: A Critical Examination to Forge a Path Forward

Héctor Carrasco Magallanes, Health Equity Director of the Family Health and Wellness Division, Tennessee Department of Health



Dr. Héctor Carrasco is the Health Equity Director in the Family Health and Wellness Division at the Tennessee Department of Health (TDH) and a member of the State Health Equity Advisory Committee. Previously, he served as the first Director of the High Impact Areas Program, the largest addiction/overdose prevention program at TDH. Alongside his work in public health, he also holds a teaching position in global health at Tecnológico de Monterrey and is a member of the Mexican National System of Researchers.

With a focus on addressing global and public health issues, Dr. Carrasco has accumulated several years of experience in various areas, including health equity, primary care, and community health. He served as the Community Health Program Coordinator for Partners in Health in Chiapas, Mexico, where he made significant contributions to advance community-grounded healthcare initiatives.

Dr. Carrasco earned a medical degree from the Tecnológico de Monterrey, a Master's in Public Health from Johns Hopkins University, and a Doctorate in Public Health from Harvard University.

Keynote Address 3

Promoting Health Equity for migrants in the Americas

Jean François Aguilera, International Organization for Migration Migration and Health Officer for the Americas



Dr. Jean-François Aguilera joined IOM in 2012 as Regional Health Specialist at the Regional Office for Western and Central Africa in Dakar. His background is medical epidemiology with various experiences of project development and implementation for different organizations and donors (ONGs, UN agencies, EU, Private Sector) mainly in Africa but also in Latin America and Europe. From 2017 to 2021, he served as Chief of Mission for IOM in the Central Africa Republic before joining in September 2021 the IOM Regional Office in Buenos Aires as Regional Project Development Officer and then as Regional Health Specialist for the Americas.

Keynote Address 4

Global surgery and universal health coverage: the way forward

Ruben Ayala, Operation Smile's Chief Of Policy And Advocacy



Ruben Ayala is a public health physician from Panama with more than 30 years of experience in advocacy and humanitarian assistance. During his career with Operation Smile, he has planned, executed, and overseen surgical programs in more than 40 countries.

Dr. Ayala also oversaw the establishment of Operation Smile foundations in low- and middle-income countries that offer year-round health services to patients and families affected by cleft conditions. Throughout the years, Dr. Ayala has fostered collaboration between governments, nongovernmental organizations, industries, communities, universities, and other members of civil society.

He served as Operation Smile's Chief Medical officer, focusing on the review of surgical outcomes and the evolution of standards of surgical care for patients with cleft lip and cleft palate. He joined the official delegation of the government of Vietnam to the World Health Assembly in 2015 and 2017, helping align the country's support for global surgery and anesthesia.

Dr. Ayala currently serves as Operation Smile's Chief Policy and Advocacy Officer. He is also board member and Immediate Past-President of the Permanent Council of the Global Alliance for Surgical, Obstetric, Trauma and Anesthesia Care, represents Operation Smile at the Global Initiative for Children's Surgery and the United Nation's Economic and Social Council. He leads Operation Smile's global health policy efforts promoting access to safe, timely and effective surgical care to underserved communities around the world.

Keynote Address 5

Health Systems

Mauricio Hernández Ávila, **Director Of Economic And Social Benefits,** **Mexican Social Security Institute**

Dr. Mauricio Hernandez Avila studied Medicine at the Faculty of Medicine of the National Autonomous University of Mexico, and a Diploma in Statistics at the Institute for Research in Applied Mathematics and Systems of the same UNAM; he also carried out his medical



residency with specialization in pathology at the National Institute of Nutrition Salvador Zubiran (INNSZ). Subsequently, he obtained a scholarship from the National Council of Science and Technology (CONACYT) to pursue a Master's and Doctorate in Epidemiology at the Harvard University School of Public Health in the United States of America.

Dr. Hernandez developed his career mainly in the Ministry of Health, participating as a physician in the Division of Community Nutrition at INNSZ. He is a researcher of recognized prestige both nationally and internationally. Member of four professional associations, including the National Academy of Medicine and the Mexican Academy of Sciences; of five research committees, both national and international, including advisory committees of the US Institute of Medicine in the area of environmental health. As of 2018 he serves as Director of Economic and Social Benefits of IMSS.

Keynote Address 6

Looking Back to Move Forward – Lessons from Aotearoa New Zealand

Matire Harwood,
Associate Professor, University of Auckland



Ngāpuhi (Indigenous tribe in north Aotearoa New Zealand)

Matire (MBChB, PhD) is a Māori health academic at the School of Population Health University of Auckland, where she is Head of Department, teaches and undertakes research; and a General Practitioner/Family Physician at a Māori-led health clinic in South Auckland.

She has served on several national Boards and Advisory Committees including Waitemātā District Health Board, Health Research Council, COVID-19 Technical

Advisory Group at the Ministry of Health and is a member of the Hauora Māori Advisory Committee to the Minister of Health, tasked with overseeing the implementation of the new Māori Health Authority, Te Aka Whai Ora. Matire has received numerous awards for her work including the 2017 L'Oréal UNESCO New Zealand 'For Women In Science Fellowship' for research in Indigenous health, the Health Research Council's Te Tohu Rapuora 2019 award for leadership in research to improve Māori health and the Royal New Zealand College of General Practitioners Community Service Medal in 2022.

Plenary Session

Moderator

Ximena P. Garzón-Villalba,

MD, PhD, Universidad San Francisco de Quito

Panelists

Addressing equity challenges within the One Health framework: preliminary results from a quest for a holistic and pragmatic approach

Jonathan Guillemot,

Universidad San Francisco de Quito

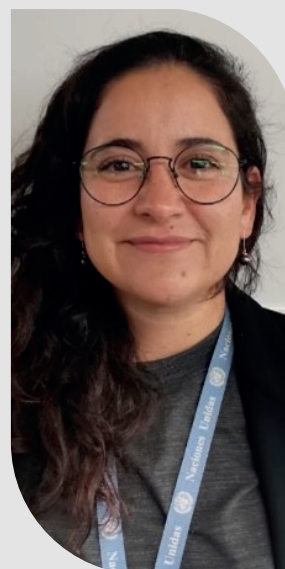
Jonathan R. Guillemot, MA, MSc, PhD is a professor and researcher in gerontology at Universidad San Francisco de Quito USFQ, Ecuador. He currently acts as Associate Dean of the School of Medicine, in charge of research and administrative



affairs. He is also the director of the Institute for Social Medicine & Global Challenges. Guillemot's research interests include the sociology of ageing and research pedagogy, using qualitative approaches, with particular focus on semi-structured interviews and Delphi panels. He is especially fond of collaborating with students on their first encounter with research, with one recent paper encapsulating such interest: Medical education from the point of view of medical students: Results from four participatory Delphi panels in Quito. 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.

Accessing health services in Mexico for refugee persons: challenges and opportunities

**Rosa Elizabeth García Ita,
National Community Protection Officer,
United Nations High Commissioner for
Refugees Mexico**



She has been trained in International Refugee Law by the Refugee Studies Center of the University of Oxford and the Human Rights Education Association (HREA), as well as in International Criminal Law and Humanitarian Law by the Universität Paris-Lodron in Salzburg, Austria. Career: Since 2019 she has been working as National Community Protection Officer of the United Nations High Commissioner for Refugees (UNHCR) in Mexico City, where she is responsible, among other issues, for ensuring the implementation of UNHCR's Age, Gender and Diversity Policy, promoting the meaningful participation of refugees and asylum seekers in decision-making spaces and ensuring differentiated protection systems for this

population considering their specific protection needs. Prior to this, between 2013 and 2019, she held various positions in UNHCR's offices in Tenosique and Tapachula in southern Mexico, where she held protection, field and inter-agency coordination roles. Throughout her career she has worked in the field of civil society in Mexico and Lebanon, focusing on working with refugees and promoting a community-based and participatory approach to humanitarian intervention. She has also worked in academia, where she has focused on research on international refugee law and the protection status of Palestinian refugees.

Closing Talk
Equity in Health:
We all deserve to live in a clean
environment

Ximena P. Garzón-Villalba,
Universidad San Francisco de Quito



Dr. Garzón is an experienced professional in Public Health, appointed as Minister of Health of Ecuador from May 2021 to July 2022. She was member of the International Vaccine Institute Board of Trustees representing Ecuador in 2022. Currently, she is Dean of Public Health at Universidad San Francisco de Quito and member of The World Bank Pandemic Fund Technical Advisory Panel.

Dr. Garzón obtained her Medical Degree at Universidad Central del Ecuador, she holds PhD in Public Health with a concentration in Occupational Health, and a Post-doctorate in Occupational Health Research and Occupational Epidemiology, both from University of South Florida. Dr. Garzón has been professor for undergraduate and graduate programs in several Ecuadorian and U.S. Universities. Her research work focuses in Occupational Heat Stress, published in several

indexed journals.

As Minister of Public Health, she was responsible of the design and implementation of the “Plan Fenix” a comprehensive response to the COVID-19 pandemic, and led the emblematic “9/100 Vaccination Plan” which reached 9 million fully vaccinated people (more than 50% of the population) before the 100th day of its implementation. Dr. Garzón also led the development of the “Plan Decenal de Salud del Ecuador”, a holistic, interdisciplinary and intersectoral plan designed to improve the public health of her country under the One Health Approach.

For Moderator, Panelists and Working Group Meetings bios, please visit aprugh23.com

2023 Global Health Student Poster Contest

We are pleased to announce the finalists of the 9th annual APRU Global Health Student Poster Contest. This year we received submissions from students from China, Ecuador, Hong Kong, Mexico, the Philippines, and the US.

Congratulations to: Undergraduate Category (in no particular order)

Suet Man Li Chinese University of Hong Kong

Jessica Lopez Espinosa Tecnológico de Monterrey

Khen Jee Faburada Manila Central University

Postgraduate Category (in no particular order)

Brooke Edwards University of Southern California

Junyi Shi Peking University

Shaolong Ren Fudan University

All posters are being displayed at the 2023 APRU Global Health Conference, hosted by Tecnológico de Monterrey in Mexico City from Oct 25-27, 2023, where the winners in both undergraduate and graduate categories will also be announced. Each 1st place winner will receive a US\$500 prize.

2023 Global Health Case Competition

This year, we partnered with the UNHCR to create the challenge titled “Bridging Barriers to Care: Reaching Urban Migrant Communities.” We had a total of 49 teams from 19 universities in 12 economies (Australia, Canada, China, Colombia, Hong Kong, Indonesia, Mexico, Nepal, Senegal, Singapore, Thailand, the US) participate this year.

The top 10 scoring teams were:

EMIS - Tec de Monterrey

Biomed Eagle - CUHK

Look Ahead - Xi'an Jiaotong

The Health Kunoichis - NUS

Power Free - CUHK

My Wright Needs - USC

Hello Hong Kong - CUHK

Eblouissant - Simon Fraser

Health Defenders - Sun Yat-Sen

Visionary - CUHK

Congratulations to our three finalist teams (in no particular order):

Hello Hong Kong Chinese - University of Hong Kong

Health Defenders - Sun Yat Sen University

Eblouissant - Simon Fraser University

Out of the three finalist teams, two of the teams were from universities that were participating for the first time!

These three videos will be screened live at the annual APRU Global Health Conference, hosted by Tecnológico de Monterrey from Oct 25-27, 2023. The

judges' scores will be combined with the conference delegates' scores to decide on the winner. The winning team will receive a US\$1,000 prize.

Singapore
South Africa
Spain
Sweden
Switzerland
Taiwan

Thailand
Uganda
United States of America
Zambia

Participating Economies

Australia
Bangladesh
Brazil
Canada
China
Colombia
Ecuador
Ethiopia
France
Germany
Ghana
Greece
Hong Kong
India
Indonesia
Ireland
Japan
Kenya
Mexico
Nepal
Netherlands
New Zealand
Nigeria
Pakistan
Philippines
Romania
Rwanda

Participating APRU Member Universities

Fudan University
National University of Singapore
Osaka University
Peking University
Simon Fraser University
Sun Yat-sen University
Tecnológico de Monterrey
The Chinese University of Hong Kong
The Hong Kong University of Science and Technology
The University of Auckland
The University of Queensland
The University of Sydney
Universidad de los Andes
Universidad San Francisco de Quito
Universitas Indonesia
University of California, Davis
University of California, Los Angeles
University of California, San Diego
University of Oregon

Abstracts accepted for oral presentation during the APRU Global Health Conference 2023 are to be published in the Journal of Public Health and Emergency. A few of the top abstracts are selected to develop into full papers, and to be published in a series. Journal of Public Health and Emergency (J Public Health Emerg; JPHE; ISSN: 2520-0054; jphe.amegroups.com) is an open access, peer-reviewed international online journal that was launched in 2017. The journal aims at advancing the research, policy, practice, and education of public health and emergency medicine. JPHE has been indexed in Scopus. It publishes original research on public health and emergency, including health improvement, health protection, service improvement, acute injury and sudden illness etc. Article types include Original Article, Review Article, Case Report, Clinical Guidelines, Perspective, Editorial and Commentary. The special series is anticipated to be published online in the first half of 2024. It will be valuable to the field, and the papers will reflect a collaborative effort from multiple renowned contributors from the APRU Global Health network. Published papers will have instant international visibility given that all the publications in this series will be open access and thus freely available to clinicians and scientists around the world.

For more information visit: [Journal of Public Health and Emergency \(amegroups.org\)](http://Journal of Public Health and Emergency (amegroups.org))

Acknowledgements

We would like to express our deepest appreciation to the Deans, Directors, and the Mexico City Campus' School of Medicine and Health Sciences team for their support in the organization and logistics of the APRU Global Health Conference 2023. This event would have not been possible without the Logistics and Events department at the Mexico City Campus.

Special thanks to the Vice-President Mexico City Region, Tecnológico de Monterrey, Dr. Rashid Abella Yunes and his team for the support provided to carry out this event at their facilities.

We would also like to thank the Deanship of the SMHS of the Mexico City Region, Tecnológico de Monterrey, Dr. José Guillermo Domínguez Cherit for joining the effort and facilitating the organization and logistics process.

Many thanks to our panels of judges:

2023 Global Health Call for Abstract

Mellissa Withers, Andrea Reyes Gutiérrez, Julián Romero Mónico and Karla Patricia Pacheco Alvarado for their help reviewing and selecting the abstracts presented at 16th Annual APRU Global Health Conference.

2023 Global Health Student Poster Contest

Juhwan Oh, Benjamin Zhou, Catherine Zhou, King Chow, Leander Marquez, Masamine Jimba, Judith McCool, Erlinda Palaganas, Martin Wong, Karla Patricia Pacheco Alvarado and Mellissa Withers for their help in selecting the finalists.

2023 Global Health Case Competition

Alex Atrio Lopez, King Chow, Edmar Elcarte, Budi Haryanto, Shaohua Hu, Jason Huang, Masamine Jimba, Shubha Kumar, Mu Li, Tharani Loganathan, Leander Marquez, Judith McCool, Juhwan Oh, Karla Pacheco Alvarado, Erlinda Palaganas, Taninee Sahakitrungruang, Martin Wong, Pinpin Zheng, Benjamin Zhou, and Catherine Zhou for their help judging these fantastic videos about how to better support migrants/refugees living in urban areas of the Asia Pacific.

Thank you to the UNHCR Office in Kuala Lumpur, especially Susheela Balasundaram for helping us to draft the challenge and judge the semi-finals.

APRU Member Universities

Chulalongkorn University
Far Eastern Federal University
Fudan University
Harbin Institute of Technology
KAIST
Keio University
Korea University
Kyushu University
Monash University
Nagoya University
Nanjing University
Nanyang Technological University,
Singapore
National Taiwan University
National University of Singapore
Osaka University
Peking University
POSTECH
Pusan National University
Seoul National University
Shanghai Jiao Tong University
Simon Fraser University
Sun Yat-sen University
Tecnológico de Monterrey
The Australian National University
The Chinese University of Hong Kong
The Hong Kong University of Science and
Technology
The University of Adelaide
The University of Auckland
The University of British Columbia

The University of Hong Kong
The University of Melbourne
The University of Queensland
The University of Sydney
Tohoku University
Tongji University
Tsinghua University
Universidad de Chile
Universidad de los Andes
Universidad San Francisco de Quito
Universitas Indonesia
Universiti Malaya
University of California, Davis
University of California, Los Angeles
University of California, Riverside
University of California, San Diego
University of California, Santa Barbara
University of California, Santa Cruz
University of Chinese Academy of Sciences
University of Hawai'i at Mānoa
University of Oregon
University of Science and Technology of
China
University of Southern California
University of the Philippines
University of Washington
UNSW Sydney
Waseda University
Xi'an Jiaotong University
Yonsei University
Zhejiang University



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2024

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