Data Justice in
One Digital Health

7-8 December 2023
Hong Kong & ZOOM

This meeting seeks to consider current trends in the digitalisation of One Health initiatives, particularly those directed at mitigating harms relating to antimicrobial resistance (AMR), and their implications on data justice (using Linnet Taylor's conception as a general reference point). Sub-themes that we hope to address in this conference includes: (1) Different conceptions of data justice in international law and global health ethics; (2) Barriers (technical and non-technical) to the effective use of digital tools (including artificial intelligence) in addressing AMR concerns; and (3) Policy and other measures that may be considered in response to the aforementioned barriers.

Thursday 7 December 2023
9:30-12:45: One Digital Health: Ethics & Law
14:00-18:30: One Digital Health & Antimicrobial Resistance

Friday 8 December 2023
9:00-13:15: AI & Big Data in One Digital Health

09:30-10:00 **Welcome and Introductory Presentation**

Calvin W.L. Ho。何維倫
Centre for Medical Ethics and Law, Faculties of Law & Medicine, The University of Hong Kong

Zohar Lederman
Li Ka Shing Faculty of Medicine, The University of Hong Kong

10:00-10:30 **Social License is a Problem for one Digital Health**
Mike King
Bioethics Centre, School of Medicine, University of Otago, Dunedin

10:30-11:00 **Digital One Health should First be about One Health**
Zohar Lederman
Li Ka Shing Faculty of Medicine, The University of Hong Kong

11:00-11:15 **Intermission**

11:15-11:45 **Big Data Research Ethics**
Ji Ping。吉萍
Clinical Research Institute, Shenzhen-PKU-HKUST-Medical Center, Shenzhen

11:45-12:15 **Antimicrobial Resistance, One Health, Law and Policies**
Claire Lajaunie
French Institute of Health and Medical Research INSERM

12:15-12:45 **Analysing Antimicrobial Resistance as a Series of Interdependent Collective Action Problems**
Isaac Weldon
Centre for Law, Medicine, and Life Sciences at the Faculty of Law, University of Cambridge

12:45-14:00 **Lunch**

14:00-14:30 **Challenges in Establishing a Nationwide Antimicrobial and Antimicrobial Resistance Monitoring System in New Zealand's Companion Animal Sector: Insights from Stakeholder Interviews**
Nic Liebergreen
Bioethics Centre, School of Medicine, University of Otago, Dunedin

14:30-15:00 **Microbiome Research and Antibiotic Resistance: Help, Hope, and Hype**
Yonghui Ma。马永慧
Center for Bioethics, School of Medicine, Xiamen University

15:00-15:30 **Data Justice in Pathogen Genomics Surveillance**
Elyssa Liu
Centre for Outbreak Preparedness (COP), Duke-NUS Medical School, Singapore

15:30-15:45 **Intermission**

15:45-16:15 **Studying Antimicrobial Resistance at the Human–Animal Interface: Lessons Gained from Field Studies**
Serge Morand
HealthDEEP, at CNRS, Mahidol University, and Kasetsart University, Bangkok

16:15-16:45 **Competing Sectoral Goods, Zoonotic Antimicrobial Resistance and the Datafication of Agriculture**
Chris Degeling
Australian Centre for Engagement, Evidence and Values, University of Wollongong, Sydney

16:45-17:15 **Understanding the Risk of Spillover Across Landscapes**
Alice C. Hughes
School of Biological Science, The University of Hong Kong

17:15-17:30 **Intermission**

17:30-18:00 **Data Justice for Human Research Participants: Perspectives from the African Continent**
Edith Madela-Mntla
Department of Family Medicine, School of Medicine, University of Pretoria

18:00-18:30 **Public Engagement towards Data Justice: Embedding Participatory Governance into a One Digital Health Framework for Addressing Antimicrobial Resistance**
Kalina Kamenova
Canadian Institute for Genomics and Society, Toronto

19:00 **Dinner**

Friday 8 December 2023
AI & Big Data in One Digital Health

11th Floor, Cheng Yu Tung Tower, HKU Centennial Campus

09:00-9:30   **The Promise and Risks of Using Artificial Intelligence to Develop and Deliver New Antibiotics**

Rohit Malpani

Global Antibiotics Research and Development Partnership & World Health Organization, Geneva

9:30-10:00   **Can We Leverage Electronic Health Records to Improve Antimicrobial Resistance Surveillance System in Hong Kong?**

Celine S.L. Chui

School of Nursing & School of Public Health, LKS Faculty of Medicine, University of Hong Kong

10:00-10:30   **One Health & AI: Legal Paradigms in Research**

Barry Solaiman

College of Law, Hamad Bin Khalifa University, Doha

10:30-11:00   **Ethical Governance on AMR: Perspective from Responsibility of Public**

Yali Cong

Department of Medical Ethics and Health Law, Health Science Center, Peking University, Beijing

11:00-11:15   **Intermission**

11:15-11:45   **Global Governance of Benefit Sharing in "One Digital Health"**

Calvin W.L. Ho。何維倫

Centre for Medical Ethics and Law, The University of Hong Kong

Karel Caals

Centre for Biomedical Ethics, YLL School of Medicine, National University of Singapore

11:45-12:15   **Laws on Human Genetic Resources in China: Potential Impact on the Use of Human Genetic Data**

Li Du

Faculty of Law, University of Macau

12:15-12:45   **Respect for Persons & the Use of Biological Materials and Data in Research**

Jerry Menikoff

Centre for Biomedical Ethics, YLL School of Medicine, National University of Singapore

12:45-13:15   **Discussion & Closing Remarks**

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The Centre for Medical Ethics and Law (CMEL) develops new ideas and solutions in response to the big ethical, legal and policy questions of medicine and health. CMEL is the first cross-faculty interdisciplinary institution of its kind in the region. It was founded in 2012 by the LKS Faculty of Medicine and Faculty of Law at The University of Hong Kong as a joint inheritor of their vibrant intellectual traditions dating back to 1887 and 1969 respectively.

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Centre for Medical Ethics and Law, Faculty of Law, The University of Hong Kong

Address: Office 9.21, 9th Floor, Cheng Yu Tung Tower, Centennial Campus, The University of Hong Kong

Email: cmel@hku.hk
Tel: (852) 3917 1845
Fax: (852) 2549 8495

Website: https://cmel.hku.hk
Twitter: @HKUCMEL
LinkedIn: https://www.linkedin.com/company/hku-cmel/
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