SHAPES

Science, Health and Policy-Relevant Ethics in Singapore

NUS National University of Singapore | **Centre for Biomedical Ethics** Yong Loo Lin School of Medicine

SHAPES

An NUS Centre for Biomedical Ethics initiative supported by the Singapore Ministry of Health's National Medical Research Council

JUNE - JULY 2021

Dear colleagues,

Welcome to the 9th issue of the *Science, Health and Policy-Relevant Ethics in Singapore (SHAPES)* bi-monthly Newsletter. I recently had the opportunity to present at the Asia Pacific Bioethics Education Network Conference with my former CBmE colleague, Tracy Dunbrook. In our very brief presentation on *When East meets West in medical ethics training*, we raised some issues you may wish to consider regarding the development of an "Asian Bioethics". See **https://youtu.be/phIlPD3hIM8**.

Dr Vicki Xafis, SHAPES Programme Director

News [Click on the links to see the full article]

Should scientists be allowed to grow human embryos in a dish beyond 14 days? Is it scientifically important or morally wrong?

USA Today

Gene Therapy Is Giving Us Incredible New Tools to Fight Disease. How Far Can It Go?

Philadelphia Magazine

Indigenous researchers call for ethical genomics projects

Medill Reports Chicago

To remedy health disparities, more scientists must 'get political

Nature

The Neuro joins global ethical data sharing alliance

Neuro

Experts from around the globe reach agreement on standards for best practice in reporting genomics education & evaluation

Australian Genomics

Blog Posts & Other Media

Science Doesn't Work That Way - Gregory E. Kaebnick, Boston Review

Can AI be conscious? Let us think about the question - Michele Farisco, The Ethics Blog

Events

2-3 DEC 2021:

Singapore Healthcare AI Datathon and Expo 2021 - National University of Singapore

Follow our handle **@SHAPES_NUS** for announcements on biomedical ethics, conferences, reports, and trends in Singapore and abroad!

Academic Articles

[Click on the links to see the full article]

Ethics review of big data research: What should stay and what should be reformed? - Ferretti et al., *BMC Medical Ethics*

This paper argues that the IRB review system faces novel challenges in the context of big data research and proposes targeted, jurisdiction-specific reforms to ethics review and oversight.

Ethics of digital contact tracing wearables - Schaefer and Ballantyne, *Journal of Medical Ethics*

Taking Singapore as an example, this paper discusses how the distribution of free-of-charge portable tracing wearables may help to overcome the digital divide in the context of pandemics like Covid-19.

He Jiankui´s gene-editing experiment and the non-identity problem - Alonso and Savulescu, *Bioethics*

The authors argue that we should broaden our perspective and consider how germline editing may cause harm that does not just affect the persons that are born as a result of germline editing but also third parties.

Emergent Medical Data: Health Information Inferred by Artificial Intelligence - Mason Marks, *UC Irvine Law Review*

Emergent medical data (EMD) concerns health information about individuals derived from seemingly unrelated user data, often via AI. Marks describes how EMD-based research has been used in the context of Covid-19, among other areas, and shows how use of EMD in research can cause harm.

Reports [Click on the links to see the full report]

International Sharing of Personal Health Data for Research - European Academies Science Advisory Council

The report describes existing regulatory challenges and potential solutions and calls on EU policymakers to address barriers to sharing data outside the EU/EEA.

Equitably Harnessing the Power of Health Data - International Covid-19 Data Alliance

This report outlines key challenges to using health data to improve global health and presents case studies and solutions explored in the 2021 Equitably Harnessing the Power of Health Data symposium.

Artificial Intelligence and COVID-19: Applications and Impact Assessment - American Association for the Advancement of Science

The report highlights how AI applications have supported the COVID-19 response and considers their ethical implications, particularly for vulnerable groups.

Proposal for a Regulation laying down harmonised rules on artificial intelligence - European Commission

The European Commission's legal framework for AI presents a balanced regulatory approach addressing the risks of AI, without unduly constraining technological and economic development, to facilitate lawful, safe, and trustworthy AI in the EU.