



inside... this issue



p.1

Events



p.1

News



p.2

Academic
Articles



p.2

Blog Posts

Dear colleagues,

Welcome to the inaugural **Science, Health and Policy-Relevant Ethics in Singapore (SHAPES) bi-monthly Newsletter!** This Newsletter aims to provide a digest of recent developments in the ethics of biomedicine. Our current focus is on areas SHAPES is undertaking work in, such as big data/AI and gene modifying technologies, as well as other related fields. A summary of upcoming SHAPES events will also be listed.

SHAPES Team



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SHAPES Events in 2020:



Workshops:

Ethics Framework for Big Data in Health and Research – Learning to Apply the Framework.

- **17 April** (register [here](#))
- **5 June** (register [here](#))

This workshop is based on the Ethics Framework for Big Data in Health and Research, developed by SHAPES in collaboration with a local and international working group. The Framework and associated papers are open access and available [here](#).

Note: Given the uncertainty surrounding the COVID-19 virus, we may need to change these dates as the situation develops. We appreciate your understanding.

Save the Dates:

10 June and **14 August** workshops on IRB review arising from research SHAPES has undertaken. Information will be posted to this mailing list when further details and registration are available.

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

The battle for ethical AI at the world's biggest machine-learning conference

by Elizabeth Gibney,
Nature

World Economic Forum: Singapore updates AI governance model with real-world cases

by Irene Tham,
Straits Times

23andMe has sold the rights to develop a drug based on its users' DNA

by Jessica Hamzelou,
New Scientist

Chinese scientist who edited genes of twin babies is jailed for 3 years

by Julia Hollingsworth
and Isaac Yee,
CNN

Academic Articles

[Click on the links to see the full article]

#artificial intelligence

On the ethics of AI ethics, by Udo Schuklenk, *Bioethics* 34(2):146-147.

The ethical, legal and social implications of using artificial intelligence systems in breast cancer care by Stacy M. Carter et al., *The Breast* 49:25-32.

The Ethics of Medical AI and the Physician-Patient Relationship by Sally Dalton-Brown, *Cambridge Quarterly of Healthcare Ethics* 29(1):115-121.

How should we think about clinical data ownership?, by Angela Ballantyne, *Journal of Medical Ethics* Online First.

Public Interest, Health Research and Data Protection Law: Establishing a Legitimate Trade-Off between Individual Control and Research Access to Health Data by Mark J Taylor and Tess Whitton, *Laws* 9(1).

#data ownership

#IRB guidelines

Including pregnant women in clinical research: Practical guidance for Institutional Review Boards, by Pamela Payne, *Ethics & Human Research* Nov-Dec 2019.

#gene editing

Geneva Statement on Heritable Human Genome Editing: The Need for Course Correction by Andorno et al., *Trends in Biotechnology*, in press.

When the world needs to know, Editorial, *Nature Biotechnology* 38(1): 1600. [Argues that excerpts from an unpublished manuscript concerning the first gene edited babies should not have been released]

A CRISPR Moratorium Isn't Enough: We Need a Boycott, by Soren H. Hough and Ayokunmi Ajetunmobi, *CRISPR Journal* 2(6): 343-345.

Special issue on CRISPR in *Perspectives in Biology and Medicine*.

Special issue on Human Germline Editing in *Bioethics*.

Blog Posts & Other Media

Domain Specific AI in Healthcare: An Ethical Perspective by *Bioethics Today*.

Transcending Borders in the Ethical Oversight of Human Genome Editing, by Daphne Martschenko and Ayesha Ra-sheed, *Hastings Bioethics Forum*.

An argument for heritable genome editing by Jon Holmlund, *Bioethics at TIU*.

The Gene Gap: Common Threads Podcast from the *Guardian*.

Heritable Human Genome Editing Can Cure or Prevent Diseases by César Palacios-González, *Practical Ethics*.