# THE FUTURE & BIOETHICS

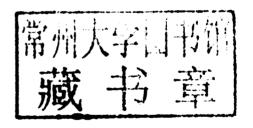
International Dialogues

Akira Akabayashi

# The Future of Bioethics

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# The Future of Bioethics

## Preface

Evolving and cutting-edge medical technologies, such as developments in neuroscience and regenerative medicine, show exceptional promise in improving human health. However, they also engender unprecedented ethical, legal, and social problems that require both global and local responses.

Issues related to new technologies are further confounded by the effect of globalization on social change, made possible by astounding developments in information technology and transportation. These changes affect bioethics in two ways. They lead to issues around the movement of people and populations, in particular the migration of patients and care workers across continents, and those caused by enormous international medical research studies involving participants from many countries and cultures. Second, global issues call for global efforts and global solutions. Mobilization of human-kind's ethical wisdom is required to address these in a manner that transcends cultural and national differences. Establishing culturally and ethically informed dialogue is the critical first step toward resolving these diverse problems.

This is the first book on bioethics that presents a genuine engagement between scholars and practitioners from East and West: the first book in the discipline of bioethics for the globalized world of the future. We address the emerging issues in bioethics. We aim to set the agenda for the future, focusing on new developments and their potential for change.

Most studies in bioethics advocating East—West dialogue have either attempted cross-cultural comparison or proposed Eastern philosophical paradigms as a counter to Western ideas. The tacit premise of previous writing on East—West dialogue is therefore a strain of relativism. From the Eastern perspective, Western views are treated as a cultural construct that should be referenced as models, but are not appropriate to be utilized in their existing form. To Westerners, Eastern interpretation represents ways of thinking that should be recognized but can never truly be understood in their complexity within Western cultures. For this reason, Asians place Western conceptions of bioethics on the critical chopping block, and approach them as something to be overcome. In contrast, although Westerners occasionally comment on current conditions in Asian countries, they rarely fully engage with bioethical discussions led by Asian researchers, and neither express agreement nor fully critique such views. In a globalized world, simply maintaining a respectful distance from other cultures is no longer sufficient.

The time has come for us to engage actively with different cultural perspectives, rather than hearing them and rather than listening attentively to them. The most prominent characteristic of this collection's development derives from the way in which the book has been developed. First, the contributors met to discuss and identify the issues at the cutting edge of bioethics. Then the leading researchers offered primary topic articles (PTAs). Next, researchers from various countries wrote commentaries to which the PTA authors replied. At each stage, the contributors communicated with each other to ensure genuine engagement while revising their contributions in light of ongoing

dialogue. The commentary authors included leading researchers as well as promising, relatively young researchers. Thus, the book aims not only at a cross-cultural dialogue, but a dialogue between researchers of different generations.

The book comprises two parts. Part I looks at bioethical issues that arise from new medical technologies such as regenerative medicine, enhancement, research ethics, and synthetic biology. Part II addresses challenging dilemmas that result from the globalization of social change, such as transplantation tourism, public health ethics, care in the aging society, and professionalism.

One can imagine, from a glance at the table of contents and contributing authors, what an important contribution this collection will be. Therefore a lengthy preface is unnecessary. I hope that the readers will enjoy this honest dialogue between researchers from both the East and West.

While these 21 chapters do not cover all topics that are likely to arise over the course of this century, they cover particularly challenging issues faced by current researchers. Dialogue must span both local and global levels. This, to me, is "the future of bioethics."

July 2013 Akira Akabayashi

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# Acknowledgements

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# List of Abbreviations

AAHRPP Association for the Accreditation of Human Research Participants Program

ADR Alternative Dispute Resolution

AFM French Muscular Dystrophy Association

AJOB American Journal of Bioethics

AMA Australian Medical Association

AMANET African Malaria Network Trust

ARV antiretroviral treatment

ASBH American Society of Bioethics and Humanities

ASC somatic or 'adult' stem cell
ASPD antisocial personality disorder

BAC Bioethics Advisory Committee (of the Singapore government)

CCTP Conditional Cash Transfer Program

CEA cost-effectiveness analysis

CER comparative effectiveness research

CF cystic fibrosis

CHRB Convention on Human Rights and Biomedicine

CML chronic myelogenous leukemia

CMS Centers for Medicare and Medicaid Services

CNS central nervous system

COI conflict of interest

COPD chronic obstructive pulmonary disease

CPMC Coriell Personalized Medicine Collaborative

DALY disability-adjusted life year

DBS deep brain stimulation

DOI Declaration of Istanbul

DTC direct to consumer

ELSI ethical, legal, and social issues

EOPJ equal opportunity-based principle of justice

EPO erythropoietin

ES embryonic stem

#### XVIII LIST OF ABBREVIATIONS

ESC embryonic stem cell ESRD end-stage renal disease

EU European Union

FDA Food and Drug Administration

FERCAP Forum for Ethical Review Committees in the Asian Western Pacific Region

fMRI functional magnetic resonance imaging
GATS Global Agreement on Trade in Services
GRID gay-related immunodeficiency disease

HCT/Ps human cells, tissues, and cellular and tissue-based products

hES human embryonic stem

HMO Health Maintenance Organization

HOTA Human Organ Transplant Act 1987 (Singapore)

HSC hematopoietic stem cell

ICER incremental cost-effectiveness ratio
ICMS International Cellular Medicine Society
ICOB Informed Cohort Oversight Board

ICU intensive care unit
IP intellectual property
iPS induced pluripotent stem
IRB institutional review board

IRENSA International Research Ethics Network for Southern Africa

JCAHO Joint Commission on Accreditation of Healthcare Organizations

JCI Joint Commission International

JMA Japan Medical Association
JME Journal of Medical Ethics

JPMA Japan Pharmaceutical Manufacturers Association

JSIM Japanese Society of Internal Medicine
JST Japan Society for Transplantation

LTC long-term care

MHLW Ministry of Health, Labor, and Welfare (Japan)

MOH Ministry of Health (China)

MSC mesenchymal stem cell

MT moral technology

MTERA Medical (Therapy, Research and Education) Act 1972 (Singapore)

NCB Nuffield Council on Bioethics NCC Japanese National Cancer Center NECTAR Network of European CNS Transplantation and Restoration

NHI national health insurance NHS National Health Service

NICE National Institute for Health and Clinical Excellence

NOTA National Organ Transplant Act 1984 NOTU National Organ Transplant Unit

NSFC National Natural Science Foundation of China

OHRP Office for Human Research Protections
ONT Spanish National Transplant Organization

OPO Organ Procurement Organization

OPTN Organ Procurement and Transplantation Network

PB procreative beneficence
PD Parkinson's disease

PGD preimplantation genetic diagnosis

PhRMA Pharmaceutical Manufacturer Association

pmp per million population

QALY quality-adjusted life year

RCT randomized controlled trial

SARETI South African Research Ethics Initiative

SCNT somatic cell nuclear transfer SCNT somatic cell nuclear transfer SDM substitute decision maker

SIDCER Strategic Initiative for Developing Capacity in Ethical Review

SSRI selective serotonin reuptake inhibitor STS science, technology, and society study

TB tuberculosis

TEC Transplant Ethics Committee

TRREE Training and Resources in Research Ethics Evaluation

TTS The Transplantation Society

UK United Kingdom

UNESCO United Nations Educational, Scientific and Cultural Organization

UNOS United Network for Organ Sharing

US United States

USADA US Anti-Doping Agency

USPHT United States Public Health Task Force

VE virtue ethics

#### XX LIST OF ABBREVIATIONS

WADA World Anti-Doping Agency
WHO World Health Organization
WMA World Medical Association

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